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TECHNICAL MEMORANDUM FOR NO FURTHER ACTION AT FACILITY 239 POTENTIAL SOURCE OF CONTAMINATION 51 GOLF COURSE NAS CECIL FIELD FL

9/1/2003

TETRA TECH NUS INC

Technical Memorandum
for
No Further Action

Facility 239, Potential Source of Contamination 51- Golf Course

Naval Air Station Cecil Field
Jacksonville, Florida

VOLUME I OF III - TEXT

Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888

Contract Task Order 0078

September 2003

TECHNICAL MEMORANDUM
FOR NO FURTHER ACTION

FACILITY 239,
POTENTIAL SOURCE OF CONTAMINATION 51 -
GOLF COURSE

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

Submitted by:
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220

CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0078

SEPTEMBER 2003

PREPARED UNDER THE SUPERVISION OF:

Mark Speranza

MARK SPERANZA, P.E.
TASK ORDER MANAGER
TETRA TECH NUS, INC.
PITTSBURGH, PENNSYLVANIA

APPROVED FOR SUBMITTAL BY:

Debbie Wroblewski

DEBBIE WROBLEWSKI
PROGRAM MANAGER
TETRA TECH NUS, INC.
PITTSBURGH, PENNSYLVANIA

The professional opinions rendered in this decision document identified as Technical Memorandum for No Further Action, Potential Source of Contamination 51, Naval Air Station Cecil Field, Jacksonville, Florida were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. Decision documents are 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 this project described in this report.

Mark Speranza

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

Date: 9/5/03

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: September 9, 2003

COMPANY CERTIFICATION AUTHORIZATION NUMBER: 7988
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

NAME AND TITLE OF CERTIFYING OFFICIAL: Mark Speranza, P.E.
Task Order Manager

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ACRONYMS

ABB-ES	ABB Environmental Services, Inc.
AOI	Area of Interest
BCT	BRAC Cleanup Team
bgs	Below ground surface
BRAC	Base Realignment and Closure
CLEAN	Comprehensive Long-Term Environmental Action Navy
COPC	Chemical of potential concern
CTO	Contract Task Order
EBS	Environmental Baseline Survey
EISOPQAM	Environmental Investigations Standard Operating Procedures and Quality Assurance Manual
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FOST	Finding of Suitability to Transfer
GCTL	Groundwater cleanup target level
HI	Hazard Index
HLA	Harding Lawson and Associates
HQ	Hazard Quotient
IBDS	Inorganic Background Data Set
IR	Installation Restoration
IZS	Intermediate zone of surficial aquifer
LOAEL	Lowest-observed-adverse-effects level
LZS	Lower zone of surficial aquifer
MB	Main Base
MHSP&E	Ministry of Housing, Spatial Planning, and Environment (Netherlands)
NAS	Naval Air Station
NOAEL	No-observed-adverse-effects level
PCB	Polychlorinated biphenyl
PEL	Probable effects level
PRE	Preliminary risk evaluation
PSC	Potential Source of Contamination
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
SAR	Sampling and Analysis Report

SCTL	Soil cleanup target level
SOUTHNAVFACENGCOM	Southern Division, Naval Facilities Engineering Command
SPLP	Synthetic Precipitation Leaching Procedure
TAL	Target Analyte List
TCL	Target Compound List
TEL	Threshold effects level
TRPH	Total recoverable petroleum hydrocarbons
TRV	Toxicity reference value
TtNUS	Tetra Tech NUS, Inc.
UCL	Upper confidence limit
U.S. EPA	United States Environmental Protection Agency
UZS	Upper zone of surficial aquifer

1.0 INTRODUCTION

This technical memorandum for Potential Source of Contamination (PSC) 51, the Base golf course at Naval Air Station (NAS) Cecil Field in Jacksonville, Florida, has been prepared by Tetra Tech NUS, Inc. (TtNUS) for the Department of the Navy Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM). This work was conducted under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Program, Contract Number N62467-94-D-0888, Contract Task Order (CTO) 0078.

TtNUS performed four sampling events at PSC 51 between April 1999 and December 2000 to determine the environmental condition of the property for transfer to the City of Jacksonville. The goals of the PSC 51 field investigations were to assess the presence of contamination and to provide information for human health and ecological preliminary risk evaluations (PREs). The PREs used the investigation results to assess the nature and extent of contamination and to identify potential exposure pathways and risks to human and ecological receptors.

This technical memorandum specifically addresses PSC 51 and does not include the following areas contained within PSC 51: Site 11 (Golf Course Pesticide Disposal Area), Site 21 (Golf Course Maintenance Area), and Area of Interest (AOI) 22. Sites 11 and 21 are currently being addressed under the Installation Restoration (IR) Program at NAS Cecil Field. At Site 11, a soil removal was conducted to achieve residential cleanup standards, and no further action for groundwater was approved in July 2003. A soil removal to achieve industrial standards was conducted at Site 21 (formerly PSC 21), and groundwater monitoring is ongoing. A Sampling and Analysis Report (SAR) Addendum recommending no further action for AOI 22 was approved in 2000 (TtNUS, 2000c).

This technical memorandum summarizes the related field operations, results, conclusions, and recommendations of the investigations conducted at PSC 51 by TtNUS during 1999 and 2000. The results of the investigations indicate that no further action is needed at this site.

2.0 SITE DESCRIPTION

2.1 PHYSICAL SETTING

PSC 51, the Base golf course, also designated Facility 239, is located in the northwestern part of the Main Base (MB) area of NAS Cecil Field (Figure 2-1), north of Lake Newman Street (formerly 6th Street) between New World Avenue (formerly D Avenue) and J Avenue (see Figures 2-1 and 2-2). This 18-hole golf course covers approximately 250 acres including the playing courses and adjacent wooded tracts.

2.2 SITE HISTORY

The golf course was constructed in 1946, replacing the former golf course, which is currently known as MB 3, or Operable Unit 12, Old Golf Course. Facility 239, as listed in the Environmental Baseline Survey (EBS), includes the golf course but excludes Sites 11 and 21, AOI 22, and the maintenance buildings on the golf course. According to the EBS, other than the standard practice of applying pesticides (including arsenical pesticides), fungicides, herbicides, and nutrients to maintain areas of the golf course, there was no other storage, release, or disposal of hazardous substances or petroleum products at the site. Facility 239 was classified in the EBS as Gray because of the standard application of chemicals during normal operations and maintenance at the site and the potential for these substances to affect nearby surface water bodies via runoff.

2.3 SITE GEOLOGY

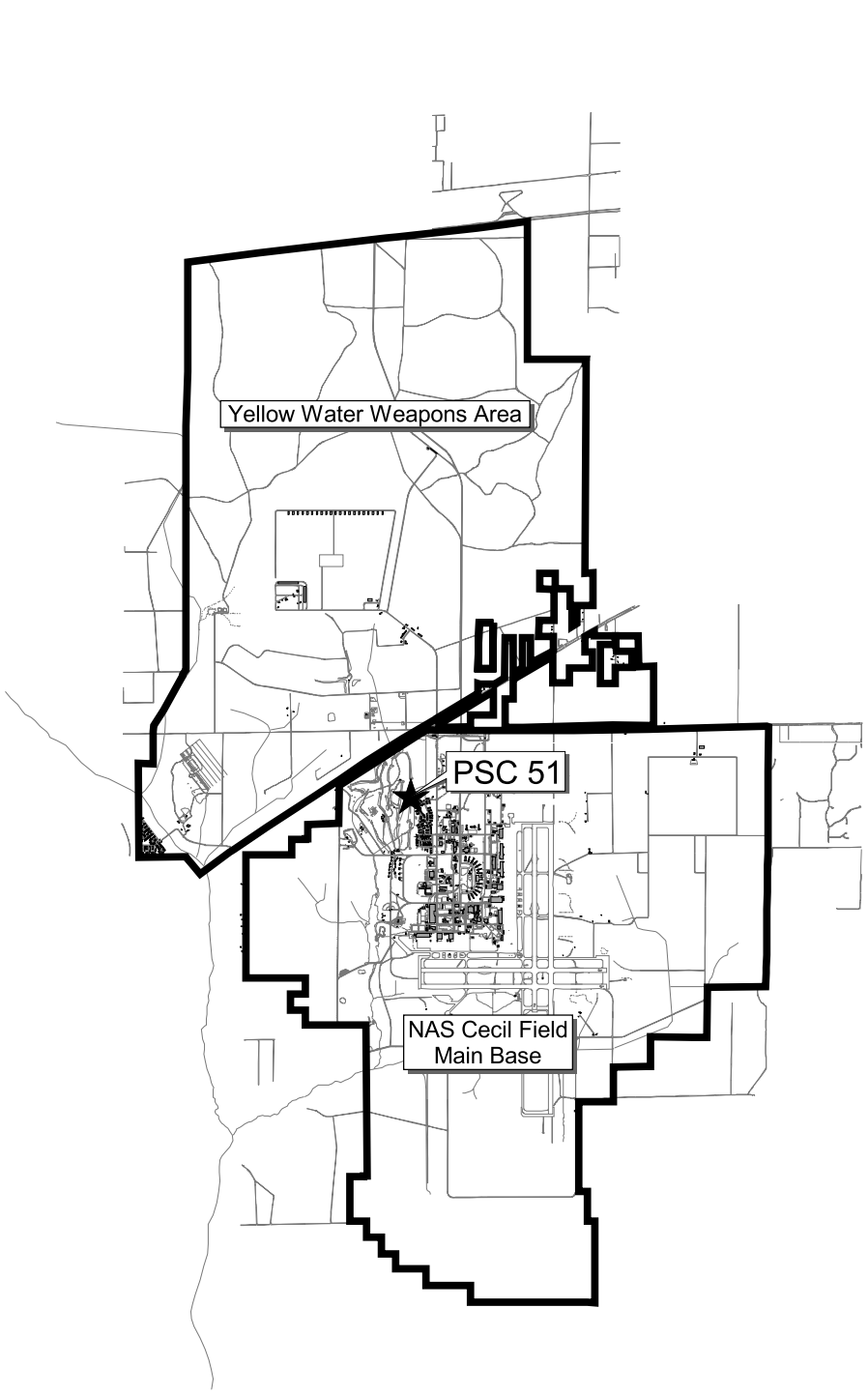
NAS Cecil Field is located within the Duval Uplands physiographic province, which is an irregular flat plain consisting of various Pleistocene marine terraces. Based on information from Site 21 and Site 11, both located within the boundaries of PSC 51, the site area is underlain by approximately 50 feet of marine sediments consisting of unconsolidated and undifferentiated silty sand. Also included are discontinuous, intermittent lenses and stringers of clayey material that are typically 2 to 4 feet thick. Beneath these marine sediments is the Pliocene-Pleistocene Nashua Formation, described as a fossiliferous, variably calcareous, sometimes clayey, quartz sand. Below the Nashua is the Miocene Hawthorne Group, consisting of clay-rich sediment with a locally continuous carbonate-rich dolostone near its top. Beneath the Hawthorn are carbonate-rich units including the Ocala Limestone, the Avon Park Formation, and the Oldsmar Formation.

2.4 SITE HYDROGEOLOGY

Three water-bearing units are present within the site area, including the surficial aquifer, the intermediate aquifer, and the Floridian aquifer system. The surficial aquifer is unconfined, consists of very fine-grained

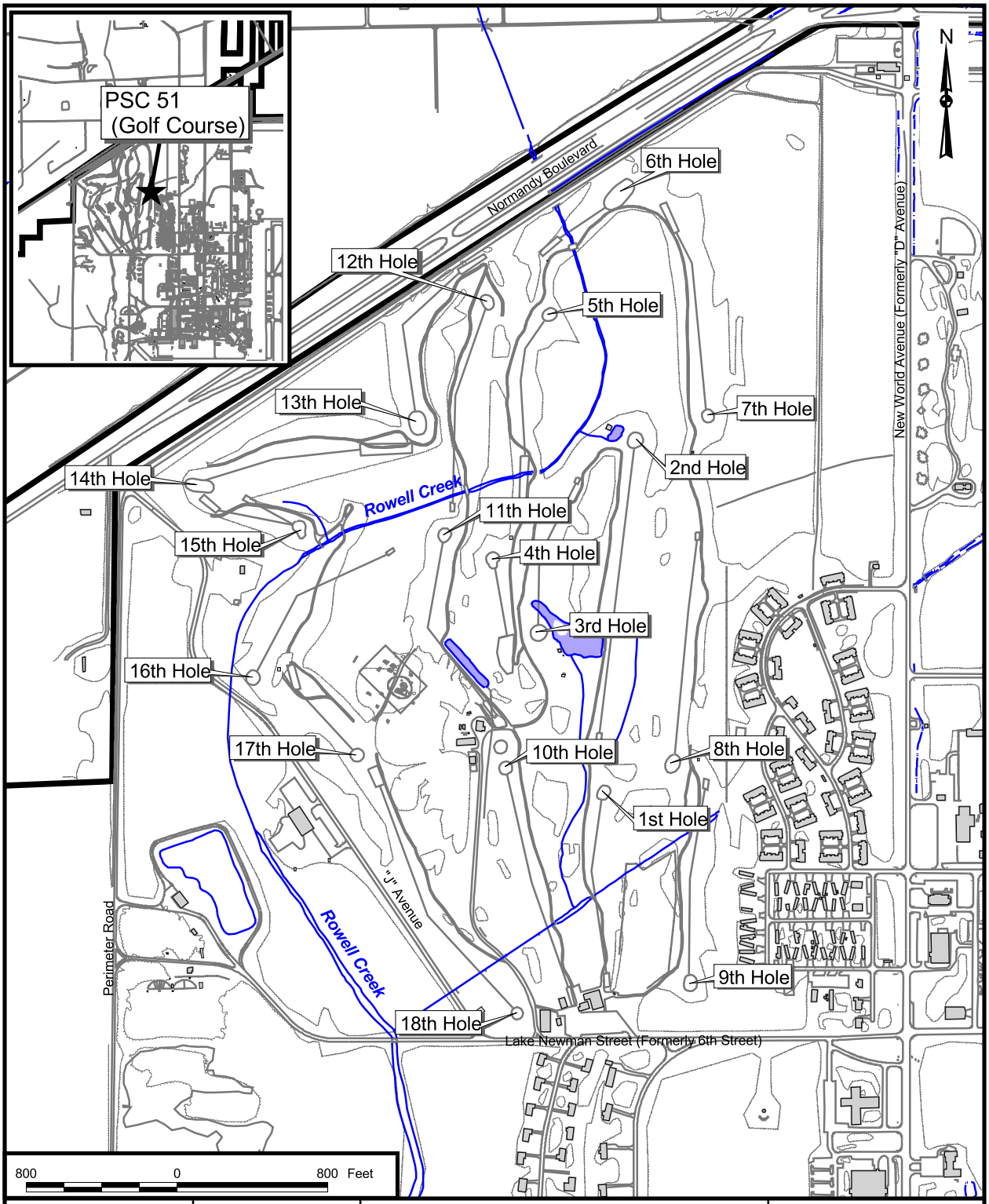
quartz sand with up to 10 percent silt and clay, and is divided into the upper zone (UZS), intermediate zone (IZS), and lower zone (LZS). In some areas of NAS Cecil Field, a thick clay layer separates the overlying sediments from the Nashua Formation. Based on information from wells installed as part of the PSC 51 investigation, depth to groundwater within the surficial (water-table) aquifer in the site is approximately 5 to 10 feet below ground surface (bgs), and groundwater flow is toward Rowell Creek. Based on data from wells in the surficial aquifer at Site 11, a hydraulic conductivity value of 5 feet per day and a groundwater seepage velocity of 27 feet per year were calculated.

The intermediate aquifer system consists of the Hawthorn Group, a dolomite unit with significant secondary porosity and underlying clay-rich sediments forming a confining layer. The dolomite unit is known as the “rock aquifer” and is widely used as a private drinking water source in the region. Unconformably underlying the Hawthorn confining unit is the Floridian aquifer system, which is the principal source of groundwater used for public drinking water in Florida’s northern peninsula.



DRAWN BY MJJ	DATE 28Jan02	GENERAL LOCATION MAP PSC 51, GOLF COURSE TECHNICAL MEMORANDUM NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 / REV 0

P:\GIS\NAS_CecilField\PSC51_TECHMEMO.apr 28Jan02 MJJ General Location Map



DRAWN BY MJJ	DATE 28Jan02	SITE LAYOUT MAP PSC 51, GOLF COURSE TECHNICAL MEMORANDUM NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-2 / REV 0

P:\GIS\NAS_CecilField\PSC51_TECHMEMO.apr 06May02 MJJ Facility Location Layout

3.0 PREVIOUS INVESTIGATIONS

The golf course was investigated in 1993 as part of a base-wide EBS. Assessment techniques used during the EBS included a review of available background documents, an interview with the facility contact, and a visual assessment of the property. The following is stated in EBS Report (ABB-ES, 1994):

- There is no asbestos at the golf course.
- Radon is not a concern because this is an outdoor facility.
- Due to the age of the facility, there are probably some structures that were painted with lead-based paint.
- Other than the standard practice of applying pesticides, fungicides, and nutrients to the turf, there has been no storage, release, or disposal of hazardous substances, petroleum products, or radioactive material on the golf course.

Based on these findings, the EBS Report classified PSC 51 as Gray because of past application of pesticides, herbicides, and nutrients and the potential for these substances to affect adjacent waterways via runoff.

Eight soil samples collected as part of the investigations at Site 21, the Golf Course Maintenance Area, are located within the boundaries of the golf course and are included in the PSC 51 data set. Sample 90S00301 was collected as part of the SAR investigation at Site 21 (then referred to as AOI 21) and was analyzed for arsenic. Seven soil samples collected as part of the Site 21 investigation and located just northeast of the site within the golf course were included in the PSC 51 data set. Samples CEF-P21-SS-009 and CEF-P21-SS-014 were analyzed for pesticides, herbicides, arsenic, vanadium, and total recoverable petroleum hydrocarbons (TRPH). CEF-P21-SS-013 was analyzed for Target Compound List (TCL) volatile organic compounds, TCL semivolatile organic compounds, TCL pesticides/polychlorinated biphenyls (PCBs), herbicides, Target Analyte List (TAL) metals, cyanide, and TRPH. CEF-P21-SS-103, SS-104, SS-105, and SS-106 were analyzed for TCL pesticides/PCBs and arsenic. Analytical results for these samples are included in Tables 5-2 and 5-3 and Figure 5-1 and in the human health and ecological risk evaluations.

4.0 FIELD INVESTIGATION

TtNUS conducted four sampling and analysis events at PSC 51 between April 1999 and December 2000 to determine the condition of the property for transfer to the City of Jacksonville. The field investigations were performed in accordance with the PSC 51 Sampling and Analysis Work Plans (TtNUS 1999, 2000a, 2000b, and 2000d). A total of 438 samples were collected over the four phases of the investigations. The soil, surface water, sediment, and groundwater samples collected and the analyses performed over the four phases of the investigation are summarized in Table 4-1. The sampling locations are shown on Figures 4-1 through 4-3.

During Phase I of the four-phased investigation, 17 samples were collected. Seven samples were collected from wooded areas along the eastern edge of the site (CEF-P51-SS-001 through SS-007), six samples were collected from tee and green areas (CEF-P51-SS-011 through SS-015 and SS-017), and four samples were collected from areas of rough (CEF-P51-SS-008, SS-009, SS-010 and SS-016). Samples CEF-P51-SS-001 through SS-010 were analyzed for TCL pesticides, organophosphorus pesticides, herbicides, and arsenic. Samples CEF-P51-SS-011 through SS-017 were analyzed for TCL pesticides, herbicides, and arsenic.

Based on the results of Phase I sampling, a total of 313 soil samples were collected during Phase IA of the field investigation, as follows:

- 50 samples from tee box areas at each hole, including samples from the 14 holes with blue, red, and white tees (CEF-P51-SS-T01B/R/W through SS-T06B/R/W, SS-T09B/R/W through SS-T12B/R/W, SS-T14B/R/W through SS-T16B/R/W, and SS-T18B/R/W) and the four holes with blue and red tee areas only (CEF-P51-SS-T07B/R, SS-T08B/R, SS-T13B/R, and SS-T17B/R)

- 22 samples from the course greens (CEF-P51-SS-G01 through CEF-P51-SS-G12 through SS-G18, SS-G06B, SS-G10B, SS-G13B, and SS-G14B).

- 232 samples (CEF-P51-SS-101 through CEF-P51-SS-332) from each 1-acre plot of an orthogonal grid across the site, as shown on Figure 4-1.

As decided by the Base Realignment and Closure (BRAC) Cleanup Team (BCT) based on the results of Phase I sampling, Phase IA samples were analyzed for TCL pesticides and arsenic.

During Phase II, sampling and analysis were conducted to determine site-specific leachability values for contaminants of concern at the site. Nine soil samples, CEF-P51-SS-201R through CEF-P51-SS-209R,

were collected at previous locations that had the highest concentrations of pesticides, herbicides, and arsenic. Table 4-1 lists the previous locations from which these samples were collected. Samples CEF-P51-SS-201R through CEF-P51-SS-208R were analyzed for TCL pesticides, CEF-P51-SS-201R was also analyzed for arsenic, and CEF-P51-SS-209R was analyzed for herbicides to confirm previously detected concentrations. Extracts from the samples with the highest total concentrations of dieldrin and chlordane, CEF-P51-SS-208R (collected at CEF-P51-SS-T06R) and CEF-P51-SS-204R (collected at CEF-P51-G10B), respectively, were analyzed for Synthetic Precipitation Leaching Procedure (SPLP) pesticides. CEF-P51-SS-201R, collected at CEF-P51-014 located on the eighth green, was analyzed for SPLP arsenic. CEF-P51-SS-209R did not have detectable concentrations of total herbicides and so was not analyzed for SPLP herbicides as planned.

Phase III field activities included surface water and sediment sampling and groundwater monitoring well installation and sampling. A total of 26 surface water and 28 sediment samples were collected from various locations along streams and/or drainage ditches at the site to investigate potential ecological impacts in these areas. Surface water samples at two proposed locations (CEF-P51-SW-025 and SW-026) were not collected because the areas were dry at the time of sampling. Surface water and sediment sample locations are presented on Figure 4-2 and described in Table 4-1. Surface water and sediment samples were analyzed for TCL pesticides and arsenic. Also as part of Phase III activities, and based on SPLP results form Phase II sampling, five monitoring wells were installed near the locations of highest soil concentrations of pesticides and arsenic. In addition, well CEF-P21-07S, located near the 11th Tee and installed as part of the Site 21 groundwater investigation, was also sampled. The six groundwater samples collected as part of the PSC 51 investigation were analyzed for TCL pesticides and arsenic. Groundwater monitoring well locations are presented on Figure 4-4 and described in Table 4-1.

Each shallow monitoring well was installed to a depth of approximately 15 feet bgs and was constructed of certified-clean well construction material consisting of 2-inch, flush-threaded, polyvinyl chloride (PVC) well screen and riser. Well screens were 0.010-inch slotted and 10 feet in length. Boring logs and monitoring well construction information for wells installed as part of the PSC 51 investigation are included as Appendix A. Table 4-2 presents the construction information for the PSC 51 wells and groundwater and surface water elevation data for the site. Figure 4-3 presents a groundwater potentiometric surface map including data from the five wells installed as part of the PSC 51 investigation, a Site 11 well (CEF-011-03S), and various surface water points along streams and in ponds across the site. Water level data from the ponds near the center of the golf course and nearby wells (CEF-337-2S and CEF-337-3S) were not included in the generation of the potentiometric surface map because the water level in the larger (irrigation) lake is artificially maintained via pumping from deep wells in the area, affecting normal flow conditions.

Over the four phases of sampling, field duplicates of 35 surface soil, one groundwater, three sediment, and two surface water samples were collected for quality assurance/quality control (QA/QC) purposes. Analytical results are discussed in Section 5.0, and analytical laboratory data are included as Appendix B.

Sampling activities were performed in accordance with the procedures described in the United States Environmental Protection Agency (U.S. EPA) Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (EISOPQAM) (U.S. EPA, 1996) and the NAS Cecil Field Base-Wide Generic Work Plan (TtNUS, 1998). Surface soil samples were collected as grab samples using plastic, disposable trowels. Sediment samples were collected as grab samples using stainless-steel decontaminated trowels, and surface water samples were collected directly into sample bottles. Groundwater samples were collected using low-flow techniques. As agreed by the BCT, no rinsate and trip blanks were collected. In addition, field blanks were not collected because the decontamination of sampling equipment was minimal.

Analytical methods for samples collected as part of the PSC 51 investigation include U.S. EPA Method SW-846 8081A for TCL pesticides, U.S. EPA Method SW-846 8141A for organophosphorus pesticides, U.S. EPA Method SW-846 1312/8081A for SPLP pesticides, U.S. EPA Method SW-846 8151A for herbicides, U.S. EPA Method SW-846 6010B for arsenic, and U.S. EPA Method SW-846 1312/6010B for SPLP arsenic. ACCUTEST Southeast in Orlando, Florida performed the analyses.

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES[1]	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
SURFACE SOIL							
SS-001 to SS-005	In woods east of residential area adjacent to southeastern portion of site, approximately 200 to 250 feet apart.	X	X	-	X	X	-
SS-006	From wooded area east of white tee of 8th Hole.	X	X	-	X	X	-
SS-007 to SS-009	In rough on east side of 7th Fairway.	X	X	-	X	X	-
SS-010	In fairway between 6th Green and 7th Tee.	X	X	-	X	X	-
SS-011	On 7th Tee.	X	-	-	X	X	-
SS-012	On 7th Green.	X	-	-	X	X	-
SS-013	On white tee of 8th Hole.	X	-	-	X	X	-
SS-014	On 8th Green.	X	-	-	X	X	-
SS-015	On 9th Tee.	X	-	-	X	X	-
SS-016	In rough between 1st and 9th Fairways.	X	-	-	X	X	-
SS-017	On 9th green.	X	-	-	X	X	-
SS-101 to SS-332	From within each of 232 one-acre plots covering the site[2].	X	-	-	-	X	-
SS-G01 to SS-G12, SS-G13B, and SS-G14 to SS-G18	From each course green.	X	-	-	-	X	-

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES(1)	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
SURFACE SOIL (continued)							
SS-G06B	From eastern end of green.	X	-	-	-	X	-
SS-G10B	From the previous 10th Green area.	X	-	-	-	X	-
SS-G13	From the fairway north of the 13th Green.	X	-	-	-	X	-
SS-G14B	From western side of 14th Green.	X	-	-	-	X	-
SS-T01B to SS-T18B	From the blue tee box areas at each hole.	X	-	-	-	X	-
SS-T01R to SS-T18R	From the red tee box areas at each hole.	X	-	-	-	X	-
SS-T01W to SS-T06W, SS-T09W to SS-T12W, SS-T14 to SS-T16W, and SS-T18W	From the white tee box areas at associated holes.	X	-	-	-	X	-
SS-201R	From Phase I sample location SS-014.	X	-	-	-	X	X
SS-202R	From Phase IA sample location SS-G16.	X	-	-	-	-	-
SS-203R	From Phase IA sample location SS-G02.	X	-	-	-	-	-
SS-204R	From Phase IA sample location SS-G10B.	X	-	-	-	-	-
SS-205R	From Phase IA sample location SS-G12.	X	-	-	-	-	-
SS-206R	From Phase IA sample location SS-G17.	X	-	-	-	-	-
SS-207R	From Phase IA sample location SS-T07B.	X	-	-	-	-	-
SS-208R	From Phase IA sample location SS-T06R.	X	-	-	-	-	-
SS-209R	From Phase I sample location SS-016.	-	-	-	X	-	-

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES(1)	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
SURFACE WATER/SEDIMENT							
SW-001 SD-001	In Rowell Creek, north of 6th Fairway, just south (downstream) of Normandy Boulevard	X	-	-	-	X	-
SW-003 SD-003	Downstream from SW/SD-001 in Rowell Creek, south of 6th Fairway.	X	-	-	-	X	-
SW-004 SD-004	In northeastern end of pond near 2nd Green.	X	-	-	-	X	-
SW-005 SD-005	In southwestern end of pond near 2nd Green.	X	-	-	-	X	-
SW-006 SD-006	In tributary to Rowell Creek, downstream of pond near 2nd Green.	X	-	-	-	X	-
SW-007 SD-007	In Rowell Creek, east of 5th Tee.	X	-	-	-	X	-
SW-008 SD-008	In Rowell Creek, west of 5th Tee.	X	-	-	-	X	-
SW-009 SD-009	In tributary to Rowell Creek, south of 15th Fairway.	X	-	-	-	X	-
SW-010 SD-010	In Rowell Creek, west of 16th Green and north of road.	X	-	-	-	X	-
SW-011 SD-011	In Rowell Creek, west of 16th Green and south of road.	X	-	-	-	X	-

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES(1)	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
SURFACE WATER/SEDIMENT (continued)							
SW-012 SD-012	In Rowell Creek, southwest of 18th Green, south (downstream) of Lake Newman Street.	X	-	-	-	X	-
SW-013 SD-013	In tributary to Rowell Creek, south of 18th Fairway.	X	-	-	-	X	-
SW-014 SD-014	In tributary to Rowell Creek, east of 10th Fairway, upstream of SW/SD-013.	X	-	-	-	X	-
SW-015 SD-015	In tributary to Rowell Creek, west of 1st Fairway, upstream of SW/SD-014.	X	-	-	-	X	-
SW-016 SD-016	In tributary to Rowell Creek, between 1st and 9th Fairways, upstream of SW/SD-015.	X	-	-	-	X	-
SW-017 SD-017	In tributary to Rowell Creek, west of 9th Fairway, upstream of SW/SD-016.	X	-	-	-	X	-
SW-018 SD-018	In tributary to Rowell Creek, east of 9th Fairway, near culvert.	X	-	-	-	X	-
SW-019 SD-019	In overflow ditch from pond near 3rd Green, southwest of 1st Green.	X	-	-	-	X	-
SW-020 SD-020	In overflow ditch, northwest of 1st Green, upstream of SW/SD-019.	X	-	-	-	X	-
SW-021 SD-021	At discharge point of pond to overflow ditch, southeast of 3rd Green.	X	-	-	-	X	-
SW-022 SD-022	In eastern portion of pond, west of 2nd Fairway.	X	-	-	-	X	-

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES(1)	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
SURFACE WATER/SEDIMENT (continued)							
SW-023 SD-023	In central portion of pond, east of 3rd Green.	X	-	-	-	X	-
SW-024 SD-024	In northwestern portion of pond, along 3rd Fairway.	X	-	-	-	X	-
SD-025(3)	In surface water body, southeast of 2nd Tee.	X	-	-	-	X	-
SD-026(3)	In surface water body, between 2nd and 8th Fairways.	X	-	-	-	X	-
SW-027 SD-027	In northwestern portion of western pond located between 4th and 11th Tees.	X	-	-	-	X	-
SW-028 SD-028	In southeastern portion of western pond located between 4th and 11th Tees.	X	-	-	-	X	-
GROUNDWATER							
GW-01S	From well near 8th Green. Near CEF-P51-SS-014, highest soil concentrations of arsenic and dieldrin.	X	-	-	-	X	-
GW-02S	From well near 12th Green. Near CEF-P51-SS-G11, highest soil concentration of 4,4-DDD.	X	-	-	-	X	-
GW-03S	From well near 2nd Green. Near CEF-P51-SS-G02, highest soil concentration of chlordane.	X	-	-	-	X	-

TABLE 4-1

SAMPLING AND ANALYSIS SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 – GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONILLE, FLORIDA

SAMPLE CEF-51-	LOCATION	ANALYSIS					
		TCL PESTICIDES(1)	ORGANO-PHOSPHOROUS PESTICIDES	SPLP PESTICIDES	HERBICIDES	ARSENIC	SPLP ARSENIC
GW-04S	From well near 6th Tee Box. Near CEF-P51-SS-T06B, highest soil concentration of heptachlor epoxide.	X	-	-	-	X	-
GW-05S	From well near the 18th Green. Near CEF-P51-SSG18, highest soil concentration of 4,4-DDE and alpha- and gamma-chlordane.	X	-	-	-	X	-
CEF-P21-GW-07S	At PSC 21, near 11th Tee Box.	X	-	-	-		-

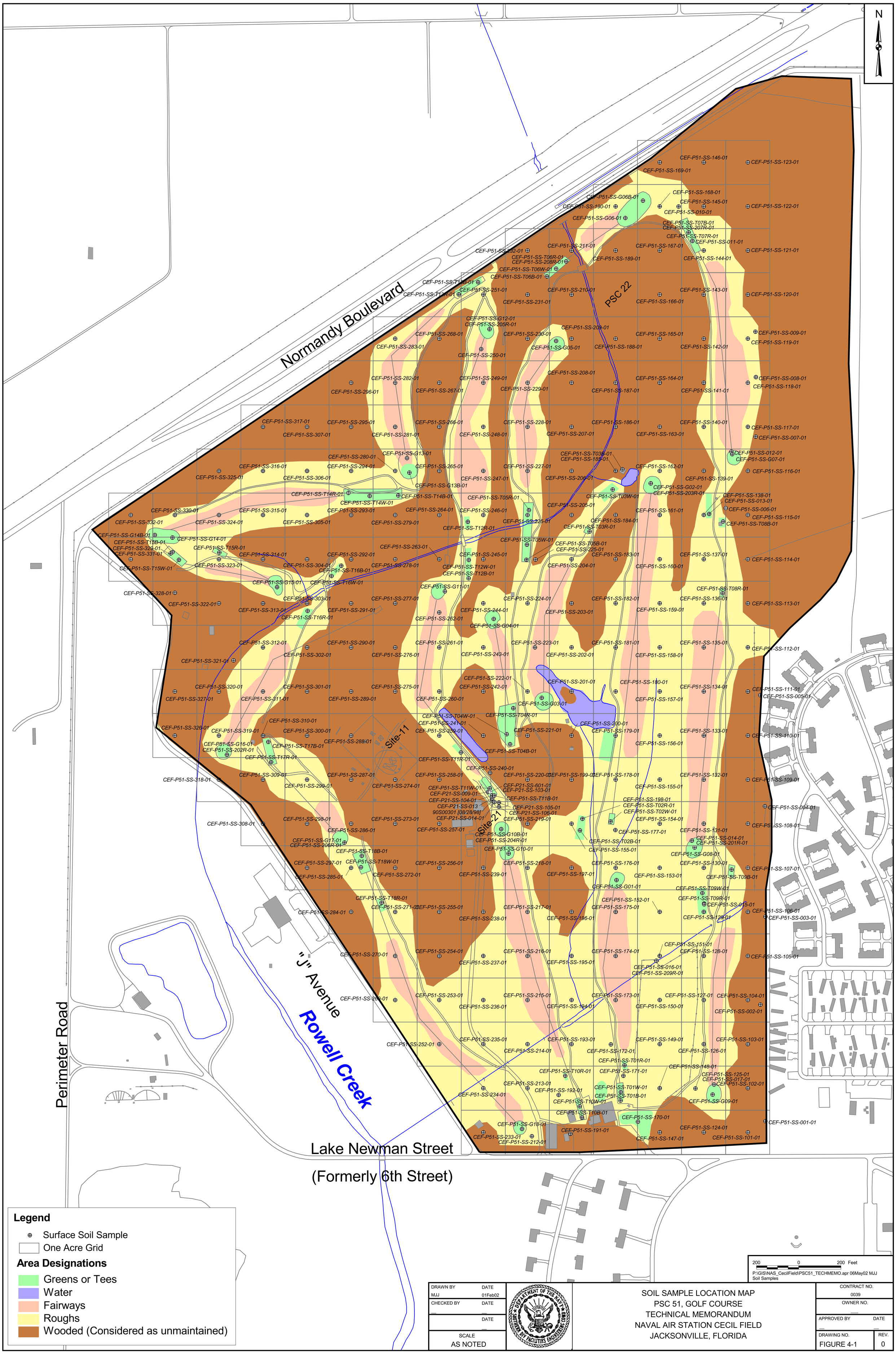
1 Phase I samples were analyzed for alpha- and gamma-chlordane only. Subsequent samples were also analyzed for total chlordane.
2 Grids that contained Sites 11 and 21 and Area of Concern 22 were not sampled as part of the PSC 51 investigation.
3 The proposed surface water sample at this location was not collected because the area was dry.

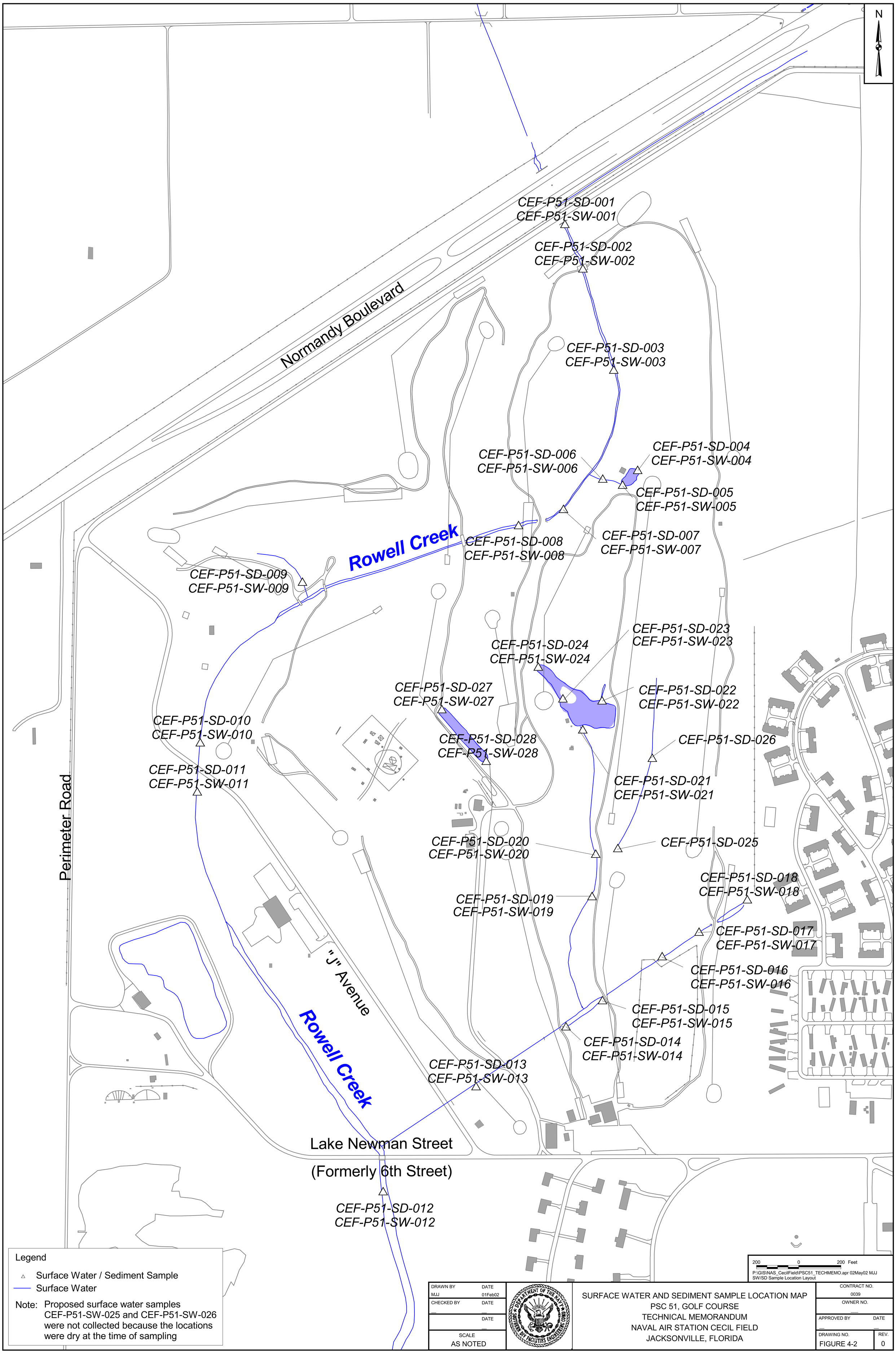
TABLE 4-2

MONITORING WELL CONSTRUCTION DATA AND GROUNDWATER AND SURFACE WATER ELEVATIONS PSC 51, GOLF COURSE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

Monitoring Well/ Surface Water Location	Total Well Depth (in feet bgs)	Well Screened Interval (in feet bgs)	Reference Point Elevation (in feet amsl)	Depth to Water (in feet below reference point)	Water Elevation (in feet amsl)
CEF-P51-01S	15	5 - 15	76.49	6.16	70.33
CEF-P51-02S	17	6 - 16	81.54	9.25	72.29
CEF-P51-03S	13	2.5 - 12.5	76.69	4.22	72.47
CEF-P51-04S	15	3.5 - 13.5	74.96	5.78	69.18
CEF-P51-05S	14	3 - 13	69.27	3.89	65.38
CEF-011-03S	14	4 - 14	77.62	10.56	67.06
1st Fairway Bridge	NA	NA	66.92	5.26	61.66
2nd Green Pond	NA	NA	73.23	1.58	71.65
3rd Green Pond	NA	NA	74.42	0.37	74.05
5th Tee Bridge	NA	NA	70.93	6.52	64.41
6th Tee Bridge	NA	NA	78.25	10.11	68.14
9th Fairway Bridge	NA	NA	68.61	5.10	63.51
11th Tee Pond	NA	NA	74.6	0.53	74.07
12th Tee Bridge	NA	NA	71.24	6.98	64.26
15th Green Bridge	NA	NA	71.20	10.80	60.40
J Avenue South Bridge	NA	NA	65.15	5.08	60.07
J Avenue North Bridge	NA	NA	69.67	10.41	59.26
Lake Newman Street Bridge	NA	NA	65.13	8.62	56.51

Elevation is referenced to 1988 North American Vertical Datum (NAVD).
Reference points for wells are top of casing. Reference points for surface water locations are marked points on nearby permanent structures.
bgs = Below ground surface.
amsl = Above mean sea level.
Water level measurements were collected on February 6, 2001.


N
Normandy Boulevard
PSC 22
Site-11
Site-21
"J" Avenue
Rowell Creek
Perimeter Road
Lake Newman Street
(Formerly 6th Street)
Legend
Surface Soil Sample
One Acre Grid
Area Designations
Greens or Tees
Water
Fairways
Roughs
Wooded (Considered as unmaintained)
200 0 200 Feet
P:\GIS\NAS_CecilField\PSC51_TECHMEMO.apr 06May02 MJJ
Soil Samples
DRAWN BY MJJ
DATE 01Feb02
CHECKED BY
DATE
DATE
SCALE AS NOTED
DEPARTMENT OF THE NAVY SOUTHERN DIV FACILITIES ENGINEERING COMD
SOIL SAMPLE LOCATION MAP
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
CONTRACT NO. 0039
OWNER NO.
APPROVED BY
DATE
DRAWING NO. FIGURE 4-1
REV. 0



Legend

△ Surface Water / Sediment Sample

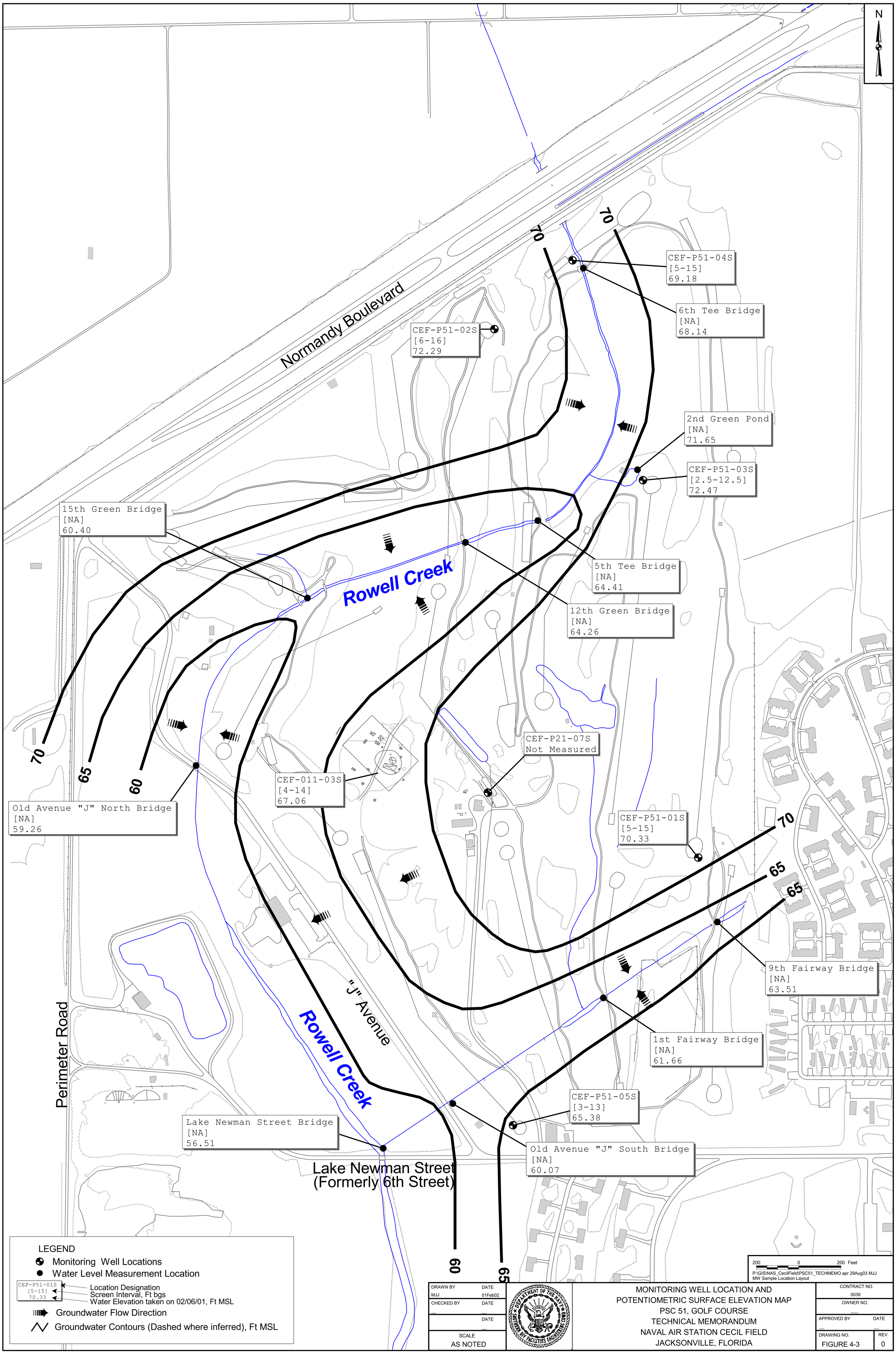
—— Surface Water

Note: Proposed surface water samples CEF-P51-SW-025 and CEF-P51-SW-026 were not collected because the locations were dry at the time of sampling

DRAWN BY MJJ	DATE 01Feb02	
CHECKED BY	DATE	
	DATE	
SCALE AS NOTED		

SURFACE WATER AND SEDIMENT SAMPLE LOCATION MAP
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0039	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO. FIGURE 4-2	REV. 0


N
Normandy Boulevard
CEF-P51-04S
[5-15]
69.18
6th Tee Bridge
[NA]
68.14
CEF-P51-02S
[6-16]
72.29
2nd Green Pond
[NA]
71.65
CEF-P51-03S
[2.5-12.5]
72.47
15th Green Bridge
[NA]
60.40
5th Tee Bridge
[NA]
64.41
Rowell Creek
12th Green Bridge
[NA]
64.26
CEF-P21-07S
Not Measured
CEF-011-03S
[4-14]
67.06
Old Avenue "J" North Bridge
[NA]
59.26
CEF-P51-01S
[5-15]
70.33
"J" Avenue
Rowell Creek
9th Fairway Bridge
[NA]
63.51
1st Fairway Bridge
[NA]
61.66
Perimeter Road
CEF-P51-05S
[3-13]
65.38
Lake Newman Street Bridge
[NA]
56.51
Old Avenue "J" South Bridge
[NA]
60.07
Lake Newman Street
(Formerly 6th Street)
70
65
60
LEGEND
Monitoring Well Locations
Water Level Measurement Location
CEF-P51-01S
[5-15]
70.33
Location Designation
Screen Interval, Ft bgs
Water Elevation taken on 02/06/01, Ft MSL
Groundwater Flow Direction
Groundwater Contours (Dashed where inferred), Ft MSL
200 0 200 Feet
P:\GIS\NAS_CecilField\PSC51_TECHMEMO.apr 29Aug03 MJJ
MW Sample Location Layout
DRAWN BY MJJ
DATE 01Feb02
CHECKED BY
DATE
DATE
SCALE AS NOTED
MONITORING WELL LOCATION AND
POTENTIOMETRIC SURFACE ELEVATION MAP
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
CONTRACT NO. 0039
OWNER NO.
APPROVED BY
DATE
DRAWING NO. FIGURE 4-3
REV. 0

5.0 NATURE AND EXTENT OF CONTAMINATION

5.1 SOIL SAMPLES

Soil samples evaluated as part of PSC 51 were grouped into five categories based on whether they were collected from greens, tees, fairways, roughs, or wooded areas of the site, and it was assumed that each area was treated with pesticides in a similar manner (see Section 6.1.2). Table 5-1 presents a summary of positive detections in all soil samples and samples by category, including frequencies of detection, ranges of detected concentrations, locations of maximum detected concentrations, and average detected concentrations. Table 5-2 presents analytical data for soil samples and comparisons to Florida Department of Environmental Protection (FDEP) residential direct exposure and leachability to groundwater soil cleanup target levels (SCTLs) (FDEP, 1999) and NAS Cecil Field Inorganic Background Data Set (IBDS) values (HLA, 1998). For organic compounds, the criterion used for each comparison was the more restrictive of the FDEP residential and leachability SCTLs. For arsenic, the criterion for comparison was the lesser of the residential and leachability SCTLs and the greater of that concentration and the IBDS value. Because the remediation goal for any analytical parameter should not be less than the IBDS or background value, if the IBDS value is greater than the lesser of the FDEP SCTLs, the IBDS value is considered the residential remediation goal. Figure 5-1 is a tag map that presents exceedances of residential and/or leachability SCTLs at the site. As expected based on standard golf course maintenance practices, the highest soil concentrations of pesticides and arsenic were generally detected in samples from tees and greens, and the lowest concentrations were generally detected in the wooded areas adjacent to the golf course.

5.1.1 Greens

Arsenic and eight pesticide compounds were detected in soil samples collected from greens areas of the golf course, and concentrations of arsenic, chlordane (including alpha and gamma isomers), dieldrin, and heptachlor epoxide exceeded applicable SCTLs. Arsenic was detected in 25 of 26 samples from greens at concentrations ranging from 1.7 to 64.8 mg/kg, and 24 of the arsenic concentrations detected at greens were greater than the IBDS value. Dieldrin was detected in 21 of 31 samples at concentrations ranging from 2.5 to 1,110 µg/kg, and 19 of the detected concentrations of dieldrin in greens samples exceeded the FDEP SCTL. The highest detected concentrations of arsenic and dieldrin in samples from greens were in CEF-P51-014-01. Chlordane was detected in 23 of 28 soil samples from greens at concentrations ranging from 5,890 to 102,000 µg/kg at CEF-P51-SS-G02-01. All detected concentrations of chlordane in greens samples exceeded 3,100 µg/kg, the lower of its FDEP residential direct contact and leachability to groundwater SCTLs. Heptachlor epoxide was detected in 14 of 31 samples collected from greens at concentrations ranging from 46 to 1,070 µg/kg. Twelve of the detected concentrations of

heptachlor epoxide exceeded the SCTL of 100 µg/kg, and the highest detected concentration in samples from greens was at CEF-P51-G12-01.

5.1.2 Tees

Contaminants detected in soil samples at concentrations in excess of SCTLs at tees included arsenic, chlordane (including alpha and gamma isomers), dieldrin, heptachlor epoxide, and toxaphene. Arsenic was detected in 57 of the 60 samples collected at tees at concentrations ranging from 0.67 to 17 mg/kg. Forty-six of these samples had arsenic concentrations greater than the IBDS value of 2.04 mg/kg, and the highest detected concentration at the tees was at CEF-P51-T07B-01. Chlordane was detected in 38 of 59 tee samples at concentrations ranging from 26.8 to 53,400 µg/kg, and chlordane concentrations at six locations in tee areas exceeded the FDEP SCTL. Heptachlor epoxide was detected at 18 of 62 tee locations at concentrations ranging from 1.7 to 231 µg/kg, and two of these locations had concentrations greater than the FDEP SCTL of 100 µg/kg. The highest detected concentrations of chlordane, alpha-chlordane, gamma-chlordane, and heptachlor epoxide in tee samples were at CEF-P51-T06B-01. Dieldrin was detected in 57 of 63 samples collected from tees at concentrations ranging from 0.99 to 7,640 µg/kg. The highest detected concentration was located at the red tee on the 6th Hole in sample CEF-P51-SS-T06R-01. Dieldrin concentrations at 49 of the locations exceeded the FDEP SCTL of 4 µg/kg. Toxaphene was detected at 5 of 62 tee sample locations at concentrations ranging from 1,500 to 10,300 µg/kg, greater than the FDEP SCTL of 1,000 µg/kg. The highest detected concentration was in the blue tee area of the 13th Hole at CEF-P51-T13B-01.

5.1.3 Fairways

Arsenic and eight pesticide compounds were detected in soil samples collected from fairways, and arsenic and dieldrin concentrations exceeded their SCTLs. Arsenic was detected in 22 of 27 fairway samples at concentrations ranging from 1.6 to 15.8 mg/kg, and 21 of the fairway samples had arsenic concentrations greater than the NAS Cecil Field IBDS value of 2.04 mg/kg. The highest detected concentration of arsenic in fairway samples was at CEF-P51-SS-262-01. Dieldrin was detected in 25 of 27 fairway samples at concentrations ranging from 0.86 µg/kg to 209 µg/kg, and dieldrin concentrations at 17 of these locations were greater than the FDEP SCTL of 4 µg/kg. Among fairway samples, the highest detected concentration of dieldrin was located at CEF-P51-SS-223-01.

5.1.4 Rough

Contaminants detected in excess of criteria in soil samples collected from rough areas included arsenic, pentachlorophenol (a herbicide), and the pesticides dieldrin and toxaphene. In addition, one sample collected from the golf course maintenance area as part of the Site 21 investigation had Aroclor-1254 at a

concentration of 1,068 µg/kg, greater than the total aroclor residential SCTL of 500 µg/kg. Arsenic was detected in 22 of 27 samples collected from rough areas at concentrations ranging from 1.6 to 15.8 mg/kg. Twenty-eight rough samples had arsenic concentrations in excess of the IBDS value, and the highest detected concentration of arsenic in rough samples was at CEF-P51-SS-262, collected at Site 21. Pentachlorophenol was detected in sample CEF-P51-SS-016-01 and its duplicate at an average concentration of 33.5 µg/kg, slightly greater than the SCTL of 30 µg/kg. Dieldrin was detected in 40 of 87 samples collected from rough areas at concentrations ranging from 0.9 to 621 µg/kg, and 27 of these samples had concentrations greater than the FDEP SCTL of 4 µg/kg. The highest detected concentration of dieldrin in rough samples was in CEF-P21-SS-105-01. Toxaphene was detected in two samples from Site 21, CEF-P21-SS-013-01 and CEF-P21-SS-105-01 and their duplicates, at average concentrations of 2,100 and 863 µg/kg, respectively. The toxaphene concentration in CEF-P21-013-01 (2,100 µg/kg) exceeded the SCTL of 1,000 µg/kg.

5.1.5 Woods

Arsenic and seven pesticide compounds were detected in soil samples collected from wooded areas of the golf course, and concentrations of arsenic and dieldrin exceeded SCTLs. Arsenic was detected in 8 of 129 samples from wooded areas at concentrations ranging from 0.5 to 9.6 mg/kg. The highest arsenic concentration detected in woods samples, at CEF-P51-SS-106-01, exceeded the NAS Cecil Field IBDS value. Dieldrin was detected in 18 of 129 samples from wooded areas at concentrations ranging from 1.2 to 720.5 µg/kg. Thirteen of these concentrations exceeded the FDEP SCTL of 4 µg/kg, and the highest detected concentration was located at CEF-P51-SS-106-01.

5.2 SPLP SAMPLES

Based on the results of previous sampling for total soil concentrations of pesticides and arsenic, SPLP analyses were performed on three soil samples. The leachate concentration from the SPLP arsenic analysis of CEF-P51-SS-201R (at previous location CEF-P51-SS-014) was 52 µg/L, which exceeded the FDEP groundwater cleanup target level (GCTL) of 50 µg/L.

SPLP pesticide results from CEF-P51-SS-204R (collected at the CEF-P51-SS-G10B location) showed concentrations of chlordane (including alpha and gamma isomers), dieldrin, and heptachlor epoxide at concentrations greater than FDEP GCTLs. Dieldrin at a concentration greater than the GCTL was also detected in leachate from CEF-P51-SS-208R (collected at CEF-P51-SS-T06B). Based on these data, it was not possible to develop site-specific leachability criteria for pesticides or arsenic at PSC 51.

5.3 SURFACE WATER AND SEDIMENT SAMPLES

The applicable comparison criteria for surface water and sediment data from PSC 51 streams and ponds are ecological screening values because ecological exposure is of most concern in these areas. The ecological risk assessment, presented in Section 6.0, discusses in detail the comparisons of detected concentrations to ecological screening values. In this section, surface water data are compared to FDEP fresh water surface water cleanup target levels and sediment data to soil residential SCTLs as described for soil sample results.

Tables 5-5 and 5-6 present surface water and sediment data, respectively, for samples collected at PSC 51. Arsenic was detected in 4 of 26 surface water samples collected at PSC 51 at concentrations ranging from 12.5 to 509 µg/L. Arsenic concentrations at sample location CEF-P51-SW-020 and CEF-P51-SW-027 exceeded the FDEP fresh surface water criterion of 50 µg/L. Dieldrin was detected in 2 of 26 surface water samples at concentrations ranging from 0.0019 to 0.0084 µg/L. The concentration detected at locations CEF-P51-SW-011 equaled the FDEP surface water criterion, and the concentration at CEF-P51-SW-019 exceeded the FDEP surface water criterion of 0.00019 µg/L. Arsenic and several pesticide compounds were detected in sediment samples collected from the site at concentrations less than FDEP SCTLs.

5.4 GROUNDWATER SAMPLES

Based on the results of soil sampling indicating that contaminants were present at concentrations in excess of FDEP leachability SCTLs, groundwater monitoring well installation and groundwater sampling were conducted at PSC 51. Table 5-7 presents groundwater analytical results compared to FDEP GCTLs for the six wells sampled as part of the PSC 51 investigation. Five wells (CEF-P51-01S through CEF-P51-05S) were installed near the highest detected concentrations of pesticides and arsenic in soil. In addition, groundwater was sampled from CEF-P21-07S, installed as part of the Site 21 groundwater investigation and located near the 11th Tee. Dieldrin was detected in groundwater from CEF-P51-01S and CEF-P51-03S and its duplicate at concentrations less than the FDEP GCTL of 0.005 µg/L.

TABLE 5-1

FREQUENCY OF DETECTION
SOIL SAMPLES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

ALL SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDD	3 / 336	0.77 - 325	CEF-P51-SS-G11-01	136.76
4,4-DDE	64 / 336	0.41 - 858	CEF-P51-SS-G18-01	140.43
4,4-DDT	17 / 336	3.1 - 944	CEF-P51-SS-G12-01	147
Aldrin	2 / 336	5.2 - 5.7	CEF-P21-SS-118-01	5.5
alpha-Chlordane	106 / 336	1.1 / 13100	CEF-P51-SS-G18-01	1205.1
Chlordane	81 / 318	15.5 - 102000	CEF-P51-SS-G18-01	11905.9
Dieldrin	161 / 337	0.86 - 7640	CEF-P51-SS-T06R-01	334.87
gamma-Chlordane	102 / 336	1.1 - 14100	CEF-P51-SS-G18-01	1258.6
Heptachlor epoxide	36 / 336	1.3 - 1070	CEF-P51-SS-G12-01	183.2
Toxaphene	7 / 336	863 - 10300	CEF-P51-SS-T13B-01	5078
Polychlorinated Biphenyls (µg/kg)				
Aroclor-1254	1 / 5	1068	CEF-P21-SS-013-01	1068
Herbicides (µg/kg)				
Pentachlorophenol	1 / 21	33.5	CEF-P51-SS-016-01	33.5
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
TRPH	1 / 3	62.2	CEF-P21-SS-013-01	62.2
Inorganics (mg/kg)				
Arsenic	149 / 330	0.39 - 64.8	CEF-P21-SS-014-01	7.4
Aluminum	1 / 1	2080	CEF-P21-SS-013-01	2080
Barium	1 / 1	11	CEF-P21-SS-013-01	11
Cadmium	1 / 1	0.62	CEF-P21-SS-013-01	0.62
Chromium	1 / 1	14.6	CEF-P21-SS-013-01	14.6
Copper	1 / 1	8.15	CEF-P21-SS-013-01	8.15
Iron	1 / 1	544	CEF-P21-SS-013-01	544
Lead	1 / 1	9.45	CEF-P21-SS-013-01	9.45
Manganese	1 / 1	15.2	CEF-P21-SS-013-01	15.2
Mercury	1 / 1	0.075	CEF-P21-SS-013-01	0.075
Nickel	1 / 1	1.24	CEF-P21-SS-013-01	1.24
Silver	1 / 1	0.3	CEF-P21-SS-013-01	0.3
Vanadium	3 / 3	1.4 - 2	CEF-P21-SS-013-01	1.7
Zinc	1 / 1	10.85	CEF-P21-SS-013-01	10.85

TABLE 5-1

FREQUENCY OF DETECTION
SOIL SAMPLES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

FAIRWAY SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDD	1 / 27	0.77	CEF-P51-SS-270-01	0.77
4,4-DDE	4 / 27	0.41 - 3.3	CEF-P51-SS-175-01	1.51
Aldrin	1 / 27	5.7	CEF-P51-SS-118-01	5.7
alpha-Chlordane	9 / 27	1.6 - 112	CEF-P51-SS-228-01	20.3
Chlordane	5 / 27	22.5 - 874	CEF-P51-SS-228-01	239.3
Dieldrin	25 / 27	0.86 - 209	CEF-P51-SS-223-01	42.17
gamma-Chlordane	7 / 27	1.1 - 51.8	CEF-P51-SS-228-01	9.9
Heptachlor epoxide	2 / 27	1.3 - 9.3	CEF-P51-SS-228-01	5.3
Inorganics (mg/kg)				
Arsenic	22 / 27	1.6 - 15.8	CEF-P51-SS-262-01	6.7

GREEN SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDD	1 / 31	325	CEF-P51-SS-G11-01	325
4,4-DDE	16 / 31	43.7 - 858	CEF-P51-SS-G18-01	420.4
4,4-DDT	3 / 31	197 - 944	CEF-P51-SS-G12-01	568
alpha-Chlordane	28 / 31	3.6 - 13100	CEF-P51-SS-G18-01	3981.6
Chlordane	23 / 28	5890 - 102000	CEF-P51-SS-G02-01	36926
Dieldrin	21 / 31	2.5 - 1110	CEF-P51-SS-014-01	319.9
gamma-Chlordane	28 / 31	1.5 - 14100	CEF-P51-SS-G18-01	4063.9
Heptachlor epoxide	14 / 31	46 - 1070	CEF-P51-SS-G12-01	411
Inorganics (mg/kg)				
Arsenic	25 / 26	1.7 - 64.8	CEF-P51-SS-014-01	17.4

TABLE 5-1

FREQUENCY OF DETECTION
SOIL SAMPLES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

ROUGH SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDD	1 / 87	84.5	CEF-P51-SS-177-01	84.5
4,4-DDE	14 / 87	0.82 - 377	CEF-P51-SS-177-01	36.1
4,4-DDT	4 / 87	7.1 - 311	CEF-P51-SS-177-01	87.3
Aldrin	1 / 87	5.2	CEF-P51-SS-181-01	5.2
alpha-Chlordane	17 / 87	1.2 - 226	CEF-P51-SS-243-01	36.2
Chlordane	12 / 82	15.5 -2340	CEF-P51-SS-243-01	239.3
Dieldrin	40 / 87	0.9 - 621	CEF-P51-SS-105-01	88.2
gamma-Chlordane	15 / 87	1.2 - 92.4	CEF-P51-SS-243-01	22.6
Heptachlor epoxide	1 / 87	19.6	CEF-P51-SS-176-01	19.6
Toxaphene	2 / 87	863 - 2100	CEF-P21-SS-013-01	1481
Polychlorinated Biphenyls (µg/kg)				
Aroclor-1254	1 / 3	1068	CEF-P21-SS-013-01	1068
Herbicides (µg/kg)				
Pentachlorophenol	1 / 8	33.5	CEF-P51-SS-016-01	33.5
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
TRPH	1 / 2	62.2	CEF-P21-SS-013-01	62.2
Inorganics (mg/kg)				
Arsenic	22 / 27	1.6 - 15.8	CEF-P51-SS-262-01	6.7
Aluminum	1 / 1	2080	CEF-P21-SS-013-01	2080
Barium	1 / 1	11	CEF-P21-SS-013-01	11
Cadmium	1 / 1	0.62	CEF-P21-SS-013-01	0.62
Chromium	1 / 1	14.6	CEF-P21-SS-013-01	14.6
Copper	1 / 1	8.15	CEF-P21-SS-013-01	8.15
Iron	1 / 1	544	CEF-P21-SS-013-01	544
Lead	1 / 1	9.45	CEF-P21-SS-013-01	9.45
Manganese	1 / 1	15.2	CEF-P21-SS-013-01	15.2
Mercury	1 / 1	0.075	CEF-P21-SS-013-01	0.075
Nickel	1 / 1	1.24	CEF-P21-SS-013-01	1.24
Silver	1 / 1	0.3	CEF-P21-SS-013-01	0.3
Vanadium	2 / 2	1.4 - 2	CEF-P21-SS-013-01	1.7
Zinc	1 / 1	10.85	CEF-P21-SS-013-01	10.85

TABLE 5-1

FREQUENCY OF DETECTION
SOIL SAMPLES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

TEE SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDE	21 / 62	1.7 - 418	CEF-P51-SS-T06B-01	81.2
4,4-DDT	8 / 62	3.1 - 140	CEF-P51-SS-T10B-01	81.2
alpha-Chlordane	43 / 62	3.1 - 5870	CEF-P51-SS-T06B-01	355.3
Chlordane	38 / 59	26.8 - 53400	CEF-P51-SS-T06B-01	2861.7
Dieldrin	57 / 63	0.99 - 7640	CEF-P51-SS-T06R-01	724.28
gamma-Chlordane	43 / 62	1.9 - 6030	CEF-P51-SS-T06B-01	327.4
Heptachlor epoxide	18 / 62	1.4 - 231	CEF-P51-SS-T06B-01	44.5
Toxaphene	5 / 62	1500 - 10300	CEF-P51-SS-T13B-01	6516
Inorganics (mg/kg)				
Arsenic	57 / 60	0.67 - 17	CEF-P51-SS-T07B-01	5.7
Vanadium	1 / 1	1.7	CEF-P21-SS-009-01	1.7

WOODS SAMPLES

Parameter	Frequency of Detection	Range of Detected Concentrations	Location of Maximum Detection	Average of Detected Concentrations
Pesticides (µg/kg)				
4,4-DDE	9 / 129	0.86 - 15.9	CEF-P51-SS-001-01	4.88
4,4-DDT	2 / 129	4.8 - 10.4	CEF-P51-SS-001-01	7.6
alpha-Chlordane	8 / 129	1.1 - 84.9	CEF-P51-SS-106-01	17
Chlordane	3 / 122	52.4 - 337	CEF-P51-SS-292-01	157
Dieldrin	18 / 129	1.2 - 720.5	CEF-P51-SS-106-01	73.9
gamma-Chlordane	9 / 129	1.1 - 66.9	CEF-P51-SS-106-01	11.3
Heptachlor epoxide	1 / 129	1.4	CEF-P51-SS-257-01	1.4
Inorganics (mg/kg)				
Arsenic	8 / 129	0.5 - 9.58	CEF-P51-SS-106-01	1.8

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	90S00301[3]	CEF-P21					
	Residential Direct Exposure	Leachability to Groundwater			SS-009	SS-013		SS-014	SS-103	SS-104
						Sample	Duplicate			
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
4,4'-DDE	3300	18000	NC	NA	38 U	71 U	71 U	**9.8**	200 U	200 U
4,4'-DDT	3300	11000	NC	NA	**28.7 J**	71 U	71 U	**7.1**	200 U	200 U
Aldrin	70	500	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
alpha-BHC	200	0.3	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
alpha-Chlordane[4]	3100	9600	NC	NA	**103**	**95.1**	**88.6**	**8.9**	**615**	**590**
beta-BHC	600	1	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
Chlordane	3100	9600	NC	NA	**179.4**	**178.7**	**160.2**	**15.5**	**1131**	**1094**
delta-BHC	22000	200	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
Dieldrin	70	4	NC	NA	**207**	**301**	**266**	**8.4**	**2790**	**1420**
Endosulfan I	410000	3800	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
Endosulfan II	NC	NC	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
Endosulfan Sulfate	NC	NC	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
Endrin	21000	1000	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
Endrin Aldehyde	NC	NC	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
Endrin Ketone	NC	NC	NC	NA	38 U	71 U	71 U	3.5 U	200 U	200 U
gamma-BHC (Lindane)	700	9	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
gamma-Chlordane[4]	3100	9600	NC	NA	**76.4**	**83.6**	**71.6**	**6.6**	**516**	**504**
Heptachlor	200	23000	NC	NA	19 U	35 U	35 U	1.7 U	99 U	98 U
Heptachlor Epoxide	100	600	NC	NA	**17 J**	35 U	35 U	1.7 U	**70.3 J**	98 U
Methoxychlor	370000	160000	NC	NA	76 U	140 U	140 U	7 U	400 U	390 U
Toxaphene	1000	31000	NC	NA	**1500 J**	**2500 J**	**1700 J**	170 U	**7530 J**	**9890**
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	**16**	**4.4**	**6.2**	**5.7**	**2.5**	**15.4**	**9.9**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P21			CEF-P51				
	Residential Direct Exposure	Leachability to Groundwater		SS-105		SS-106	SS-001	SS-002	SS-003	SS-004	SS-005
				Sample	Duplicate						
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
4,4'-DDE	3300	18000	NC	18 U	18 U	34 U	**15.9**	**4.1**	8.7 U	3.7 U	3.7 U
4,4'-DDT	3300	11000	NC	18 U	18 U	34 U	**10.4 J**	**4.8 J**	8.7 UJ	3.7 UJ	3.7 UJ
Aldrin	70	500	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	**22.2**	**31.7**	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
beta-BHC	600	1	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	**37.5**	**53.4**	NA	NA	NA	NA	NA	NA
delta-BHC	22000	200	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**504**	**696**	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
Endrin	21000	1000	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
Endrin Aldehyde	NC	NC	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
Endrin Ketone	NC	NC	NC	18 U	18 U	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
gamma-BHC (Lindane)	700	9	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	**15.3 J**	**21.7**	34 U	3.7 U	3.6 U	8.7 U	3.7 U	3.7 U
Heptachlor	200	23000	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Heptachlor Epoxide	100	600	NC	9 U	8.8 U	17 U	1.8 U	1.8 U	4.3 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	36 U	35 U	69 U	18 UJ	18 UJ	43 UJ	18 UJ	18 UJ
Toxaphene	1000	31000	NC	**776 J**	**950**	1700 U	180 U	180 U	430 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.6 U	1.8 U	1.7 U	0.3 U	0.29 U	0.35 U	0.3 U	0.3 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-006	SS-007	SS-008		SS-009	SS-010	SS-011	SS-012
						Sample	Duplicate				
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
4,4'-DDE	3300	18000	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
4,4'-DDT	3300	11000	NC	8 UJ	4.1 UJ	3.6 U	3.6 U	3.6 UJ	3.6 UJ	39 UJ	780 UJ
Aldrin	70	500	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
alpha-BHC	200	0.3	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
alpha-Chlordane[4]	3100	9600	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	**2650**
beta-BHC	600	1	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
Chlordane	3100	9600	NC	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	22000	200	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
Dieldrin	70	4	NC	**26.2**	2 U	1.8 U	1.8 U	1.8 U	1.8 U	**150**	390 U
Endosulfan I	410000	3800	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
Endosulfan II	NC	NC	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
Endosulfan Sulfate	NC	NC	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
Endrin	21000	1000	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
Endrin Aldehyde	NC	NC	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	780 U
Endrin Ketone	NC	NC	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 UJ	780 UJ
gamma-BHC (Lindane)	700	9	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
gamma-Chlordane[4]	3100	9600	NC	8 U	4.1 U	3.6 U	3.6 U	3.6 U	3.6 U	39 U	**2720**
Heptachlor	200	23000	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
Heptachlor Epoxide	100	600	NC	4 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	19 U	390 U
Methoxychlor	370000	160000	NC	40 UJ	20 UJ	18 U	18 U	18 UJ	18 UJ	190 UJ	3900 UJ
Toxaphene	1000	31000	NC	400 U	200 U	180 U	180 U	180 U	180 U	1900 U	39000 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.32 U	0.33 U	0.29 U	0.29 U	**0.93**	**0.39**	**15.4**	**24.2**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-013	SS-014	SS-201R*	SS-015	SS-016		SS-017
								Sample	Duplicate	
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	3.8 U	810 U	280 U	3.7 U	8.5 U	8.4 U	39 U
4,4'-DDE	3300	18000	NC	3.8 U	810 U	280 U	3.7 U	8.5 U	8.4 U	39 U
4,4'-DDT	3300	11000	NC	3.8 UJ	810 UJ	280 U	3.7 UJ	8.5 UJ	8.4 UJ	39 UJ
Aldrin	70	500	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
alpha-BHC	200	0.3	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	**1920**	993	3.7 U	8.5 U	8.4 U	**155**
beta-BHC	600	1	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
Chlordane	3100	9600	NC	NA	NA	**5890**	NA	NA	NA	NA
delta-BHC	22000	200	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
Dieldrin	70	4	NC	**4.9**	**1110**	**971**	**2.1**	4.2 U	4.2 U	20 U
Endosulfan I	410000	3800	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
Endosulfan II	NC	NC	NC	3.8 U	810 U	280 U	3.7 U	8.5 U	8.4 U	39 U
Endosulfan Sulfate	NC	NC	NC	3.8 UJ	810 U	280 U	3.7 U	8.5 U	8.4 U	39 U
Endrin	21000	1000	NC	3.8 U	810 U	280 UJ	3.7 U	8.5 U	8.4 U	39 U
Endrin Aldehyde	NC	NC	NC	3.8 U	810 U	280 U	3.7 U	8.5 U	8.4 U	39 U
Endrin Ketone	NC	NC	NC	3.8 U	810 UJ	280 U	3.7 U	8.5 U	8.4 U	39 UJ
gamma-BHC (Lindane)	700	9	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	**1730**	776	3.7 U	8.5 U	8.4 U	**141**
Heptachlor	200	23000	NC	1.9 U	410 U	140 U	1.8 U	4.2 U	4.2 U	20 U
Heptachlor Epoxide	100	600	NC	1.9 U	410 U	**110 J**	1.8 U	4.2 U	4.2 U	20 U
Methoxychlor	370000	160000	NC	19 UJ	4100 UJ	570 UJ	18 UJ	42 UJ	42 UJ	200 UJ
Toxaphene	1000	31000	NC	190 U	41000 U	14000 U	180 U	420 U	420 U	2000 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	**5.3**	**64.8**	**54.7**	**3.2**	**1**	**0.88**	**17.1**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-101	SS-102	SS-103		SS-104	SS-105	SS-106	
						Sample	Duplicate			Sample	Duplicate
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	19 U	3.6 U	36 U	3.6 U	36 U	3.5 U	3.6 U	380 U
4,4'-DDE	3300	18000	NC	19 U	3.6 U	36 U	3.6 U	36 U	**1.6 J**	**1.6 J**	**21 J**
4,4'-DDT	3300	11000	NC	19 U	3.6 U	180 U	36 U	180 U	35 U	36 U	380 U
Aldrin	70	500	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
alpha-BHC	200	0.3	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
alpha-Chlordane[4]	3100	9600	NC	19 U	3.6 U	36 U	3.6 U	36 U	**2 J**	3.6 U	**168 J**
beta-BHC	600	1	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
Chlordane	3100	9600	NC	94 U	18 U	180 U	18 U	180 U	18 U	18 U	1900 U
delta-BHC	22000	200	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
Dieldrin	70	4	NC	**90**	1.8 U	18 U	1.8 U	18 U	**2.2**	1.8 UJ	**1440 J**
Endosulfan I	410000	3800	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
Endosulfan II	NC	NC	NC	19 U	3.6 U	36 U	3.6 U	36 U	3.5 U	3.6 U	380 U
Endosulfan Sulfate	NC	NC	NC	19 U	3.6 U	36 U	3.6 U	36 U	3.5 U	3.6 U	380 U
Endrin	21000	1000	NC	19 U	3.6 U	36 U	3.6 U	36 U	3.5 U	3.6 U	380 U
Endrin Aldehyde	NC	NC	NC	19 U	3.6 U	36 U	3.6 U	36 U	3.5 U	3.6 U	380 U
Endrin Ketone	NC	NC	NC	19 U	3.6 U	36 U	36 U	36 U	3.5 U	3.6 U	380 U
gamma-BHC (Lindane)	700	9	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
gamma-Chlordane[4]	3100	9600	NC	19 U	3.6 U	36 U	3.6 U	36 U	**1.6 J**	3.6 U	**132 J**
Heptachlor	200	23000	NC	9.4 U	1.8 U	18 U	18 U	18 U	1.8 U	1.8 U	190 U
Heptachlor Epoxide	100	600	NC	9.4 U	1.8 U	18 U	1.8 U	18 U	1.8 U	1.8 U	190 U
Methoxychlor	370000	160000	NC	37 U	7.1 U	72 U	72 U	72 U	70 U	73 U	750 U
Toxaphene	1000	31000	NC	940 U	180 U	1800 U	180 U	1800 U	180 U	180 U	19000 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.38 U	0.35 U	0.35 U	0.57 U	0.35 U	**0.93 J**	**0.75 J**	**18.4 J**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-107	SS-108	SS-109	SS-110	SS-111		SS-112	SS-113
								Sample	Duplicate		
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
4,4'-DDE	3300	18000	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
4,4'-DDT	3300	11000	NC	36 U	200 U	3.5 U	36 U	36 U	36 U	35 U	38 U
Aldrin	70	500	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
alpha-BHC	200	0.3	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
alpha-Chlordane[4]	3100	9600	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
beta-BHC	600	1	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Chlordane	3100	9600	NC	18 U	200 U	18 U	18 U	18 U	18 U	18 U	19 U
delta-BHC	22000	200	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Dieldrin	70	4	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Endosulfan I	410000	3800	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Endosulfan II	NC	NC	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
Endosulfan Sulfate	NC	NC	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
Endrin	21000	1000	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
Endrin Aldehyde	NC	NC	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
Endrin Ketone	NC	NC	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
gamma-Chlordane[4]	3100	9600	NC	3.6 U	39 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.8 U
Heptachlor	200	23000	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	1.9 U
Heptachlor Epoxide	100	600	NC	1.8 U	20 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Methoxychlor	370000	160000	NC	73 U	78 U	7 U	72 U	72 U	71 U	70 U	76 U
Toxaphene	1000	31000	NC	180 U	2000 U	180 U	180 U	180 U	180 U	180 U	190 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**0.78 J**	0.37 U	0.34 U	0.39 U	0.4 U	0.34 U	0.38 U	0.35 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-114	SS-115	SS-116	SS-117	SS-118	SS-119	SS-120
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
4,4'-DDE	3300	18000	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
4,4'-DDT	3300	11000	NC	38 U	180 U	36 U	36 U	36 U	36 U	37 U
Aldrin	70	500	NC	1.9 U	18 U	1.8 U	1.8 U	**5.7**	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	36 U	**5.6**	3.6 U	3.6 U	3.6 U	3.7 U
beta-BHC	600	1	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	19 U	180 U	18 U	18 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	1.9 U	18 U	**5.8**	1.8 U	**12.6**	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin	21000	1000	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin Ketone	NC	NC	NC	3.8 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	36 U	**2.6 J**	3.6 U	3.6 U	3.6 U	3.7 U
Heptachlor	200	23000	NC	1.9 U	18 U	1.8 U	18 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	1.9 U	18 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	75 U	72 U	72 U	72 U	72 U	72 U	74 U
Toxaphene	1000	31000	NC	190 U	1800 U	180 U	180 U	180 U	180 U	180 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	0.42 U	0.35 U	0.4 U	0.35 U	**3.2**	0.41 U	0.38 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-121		SS-122	SS-123	SS-124	SS-125	SS-126	SS-127
				Sample	Duplicate						
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
4,4'-DDE	3300	18000	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
4,4'-DDT	3300	11000	NC	38 U	38 U	36 U	190 U	36 U	36 U	35 U	37 U
Aldrin	70	500	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
beta-BHC	600	1	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	19 U	19 U	18 U	190 U	18 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	1.9 U	1.9 U	1.8 U	19 U	**18.2**	**119**	**2.6**	**6.7**
Endosulfan I	410000	3800	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
Endrin	21000	1000	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
Endrin Ketone	NC	NC	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	3.8 U	3.6 U	38 U	3.6 U	3.6 U	3.5 U	3.7 U
Heptachlor	200	23000	NC	19 U	19 U	18 U	19 U	18 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.9 U	1.8 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	76 U	75 U	72 U	75 U	72 U	71 U	70 U	74 U
Toxaphene	1000	31000	NC	190 U	190 U	180 U	1900 U	180 U	180 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.37 U	0.35 U	0.37 U	0.4 U	0.39 U	**3.4**	1.1 U	**10.9**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-128	SS-129	SS-130	SS-131		SS-132	SS-133	SS-134
							Sample	Duplicate			
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
4,4'-DDE	3300	18000	NC	**4.9**	4 U	**0.83 J**	36 U	36 U	3.6 U	3.6 U	3.7 U
4,4'-DDT	3300	11000	NC	39 U	40 U	36 U	36 U	36 U	36 U	36 U	37 U
Aldrin	70	500	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	**7.6**	4 U	**2.4 J**	36 U	36 U	3.6 U	3.6 U	3.7 U
beta-BHC	600	1	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	**62**	20 U	18 U	180 U	180 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**32.1**	2 U	**1 J**	**158**	**199**	**4.9**	1.8 U	**9.3**
Endosulfan I	410000	3800	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
Endrin	21000	1000	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
Endrin Ketone	NC	NC	NC	3.9 U	4 U	3.6 U	36 U	36 U	3.6 U	3.6 U	3.7 U
gamma-BHC (Lindane)	700	9	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	**4.4**	4 U	**1.2 J**	36 U	36 U	3.6 U	3.6 U	3.7 U
Heptachlor	200	23000	NC	20 U	20 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
Heptachlor Epoxide	100	600	NC	2 U	2 U	1.8 U	18 U	18 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	78 U	79 U	73 U	73 U	72 U	73 U	73 U	74 U
Toxaphene	1000	31000	NC	200 U	200 U	180 U	1800 U	1800 U	180 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5**	0.83 U	1.1 U	0.85 U	1.9 U	**2.8**	0.86 U	**4.3**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-135	SS-136	SS-137	SS-138	SS-139	SS-140	SS-141	
										Sample	Duplicate
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
4,4'-DDE	3300	18000	NC	3.7 U	3.8 U	3.7 U	**20 J**	3.6 U	3.6 U	3.6 U	3.6 U
4,4'-DDT	3300	11000	NC	37 U	38 U	37 U	38 U	36 U	36 U	36 U	36 U
Aldrin	70	500	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
beta-BHC	600	1	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	18 U	19 U	19 U	190 U	18 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**3.4**	1.9 U	**1.9**	**225**	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
Endrin	21000	1000	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
Endrin Ketone	NC	NC	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.8 U	3.7 U	38 U	3.6 U	3.6 U	3.6 U	3.6 U
Heptachlor	200	23000	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.9 U	1.9 U	19 U	1.8 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	74 U	76 U	75 U	75 U	73 U	73 U	72 U	72 U
Toxaphene	1000	31000	NC	180 U	190 U	190 U	1900 U	180 U	180 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.4 U	**7.3**	**3.3**	**3.7**	0.38 U	0.5 U	0.39 U	0.42 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-142	SS-143	SS-144	SS-145	SS-146	SS-147	SS-148	
										Sample	Duplicate
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	4 U	3.8 U	37 U	38 U	36 U	3.9 U	38 U	38 U
4,4'-DDE	3300	18000	NC	4 U	3.8 U	37 U	38 U	36 U	**3 J**	38 U	**7.1 J**
4,4'-DDT	3300	11000	NC	40 U	38 U	37 U	190 U	180 U	39 U	38 U	38 U
Aldrin	70	500	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
alpha-BHC	200	0.3	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
alpha-Chlordane[4]	3100	9600	NC	4 U	3.8 U	37 U	38 U	36 U	**1.1 J**	38 U	**15.7 J**
beta-BHC	600	1	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
Chlordane	3100	9600	NC	20 U	19 U	180 U	190 U	180 U	19 U	190 U	278 J
delta-BHC	22000	200	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
Dieldrin	70	4	NC	2 U	1.9 U	**144**	19 U	18 U	**2.5**	**149**	**109**
Endosulfan I	410000	3800	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
Endosulfan II	NC	NC	NC	4 U	3.8 U	37 U	38 U	36 U	3.9 U	38 U	38 U
Endosulfan Sulfate	NC	NC	NC	4 U	3.8 U	37 U	38 U	36 U	3.9 U	38 U	38 U
Endrin	21000	1000	NC	4 U	3.8 U	37 U	38 U	36 U	3.9 U	38 U	38 U
Endrin Aldehyde	NC	NC	NC	4 U	3.8 U	37 U	38 U	36 U	3.9 U	38 U	38 U
Endrin Ketone	NC	NC	NC	4 U	3.8 U	37 U	38 U	36 U	39 U	38 U	38 U
gamma-BHC (Lindane)	700	9	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
gamma-Chlordane[4]	3100	9600	NC	4 U	3.8 U	37 U	38 U	36 U	**1.3 J**	38 U	38 U
Heptachlor	200	23000	NC	2 U	1.9 U	18 U	19 U	18 U	19 U	19 U	19 U
Heptachlor Epoxide	100	600	NC	2 U	1.9 U	18 U	19 U	18 U	1.9 U	19 U	19 U
Methoxychlor	370000	160000	NC	79 U	75 U	73 U	380 U	370 U	77 U	75 U	75 U
Toxaphene	1000	31000	NC	200 U	190 U	1800 U	1900 U	1800 U	190 U	1900 U	1900 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.38 U	0.38 U	1.3 U	0.71 U	0.37 U	0.69 U	2.6 U	3 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-149	SS-150	SS-151		SS-152	SS-153	SS-154	SS-155
						Sample	Duplicate				
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
4,4'-DDE	3300	18000	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
4,4'-DDT	3300	11000	NC	37 U	39 U	35 U	36 U	36 U	36 U	36 U	37 U
Aldrin	70	500	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
beta-BHC	600	1	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	18 U	20 U	18 U	18 U	18 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**5.8**	**1.3 J**	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin	21000	1000	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Endrin Ketone	NC	NC	NC	3.7 U	3.9 U	35 U	36 U	36 U	36 U	36 U	37 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.9 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.7 U
Heptachlor	200	23000	NC	1.8 U	2 U	18 U	18 U	18 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	1.8 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
3 Sample collected as part	370000	160000	NC	74 U	79 U	71 U	73 U	73 U	71 U	72 U	74 U
Toxaphene	1000	31000	NC	180 U	200 U	180 U	180 U	180 U	180 U	180 U	180 U
Arsenic	0.8	29	2.04	2.4 U	**4.5**	0.38 U	0.69 U	0.38 U	0.36 U	0.35 U	0.37 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-156	SS-157	SS-158	SS-159	SS-160	SS-161		SS-162
									Sample	Duplicate	
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	4 U
4,4'-DDE	3300	18000	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	**4.3**
4,4'-DDT	3300	11000	NC	37 U	36 U	37 U	38 U	36 U	37 U	37 U	40 U
Aldrin	70	500	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
alpha-BHC	200	0.3	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	14.7 R
beta-BHC	600	1	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
Chlordane	3100	9600	NC	19 U	18 U	18 U	19 U	18 U	18 U	18 U	20 U
delta-BHC	22000	200	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
Dieldrin	70	4	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	**1 J**	**0.8 J**	**32.1**
Endosulfan I	410000	3800	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
Endosulfan II	NC	NC	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	4 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	4 U
Endrin	21000	1000	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	4 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	4 U
Endrin Ketone	NC	NC	NC	37 U	36 U	37 U	38 U	36 U	37 U	37 U	40 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.7 U	3.8 U	3.6 U	3.7 U	3.7 U	**5.9**
Heptachlor	200	23000	NC	19 U	18 U	18 U	19 U	18 U	18 U	18 U	20 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	2 U
Methoxychlor	370000	160000	NC	75 U	72 U	74 U	75 U	72 U	74 U	74 U	81 U
Toxaphene	1000	31000	NC	190 U	180 U	180 U	190 U	180 U	180 U	180 U	200 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.43 U	0.37 U	0.37 U	0.38 U	0.36 U	**8.5**	**10.1**	**5.4**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-163	SS-164		SS-165	SS-166	SS-167	SS-168	SS-169
					Sample	Duplicate					
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
4,4'-DDE	3300	18000	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
4,4'-DDT	3300	11000	NC	210 U	180 U	35 U	180 U	180 U	190 U	190 U	180 U
Aldrin	70	500	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
alpha-BHC	200	0.3	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
alpha-Chlordane[4]	3100	9600	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
beta-BHC	600	1	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
Chlordane	3100	9600	NC	210 U	180 U	18 U	180 U	180 U	190 U	190 U	180 U
delta-BHC	22000	200	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
Dieldrin	70	4	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
Endosulfan I	410000	3800	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
Endosulfan II	NC	NC	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
Endosulfan Sulfate	NC	NC	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
Endrin	21000	1000	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
Endrin Aldehyde	NC	NC	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
Endrin Ketone	NC	NC	NC	41 U	35 U	35 U	37 U	36 U	37 U	39 U	36 U
gamma-BHC (Lindane)	700	9	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
gamma-Chlordane[4]	3100	9600	NC	41 U	35 U	3.5 U	37 U	36 U	37 U	39 U	36 U
Heptachlor	200	23000	NC	21 U	18 U	18 U	18 U	18 U	19 U	19 U	18 U
Heptachlor Epoxide	100	600	NC	21 U	18 U	1.8 U	18 U	18 U	19 U	19 U	18 U
Methoxychlor	370000	160000	NC	410 U	350 U	71 U	370 U	360 U	370 U	390 U	73 U
Toxaphene	1000	31000	NC	2100 U	1800 U	180 U	1800 U	1800 U	1900 U	1900 U	1800 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.1 U	0.35 U	0.38 U	1.1 U	0.42 U	0.45 U	**4.6**	0.36 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-170	SS-171	SS-172	SS-173	SS-174	SS-175		SS-176
									Sample	Duplicate	
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	180 U	3.8 U	3.7 U	4 U	3.7 U	3.7 U	3.7 U	37 U
4,4'-DDE	3300	18000	NC	**180**	**7.7**	3.7 U	4 U	**0.93 J**	**3.6 J**	**3 J**	**28.2 J**
4,4'-DDT	3300	11000	NC	**197**	38 U	37 U	40 U	37 U	37 U	180 U	**10.1 J**
Aldrin	70	500	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
alpha-BHC	200	0.3	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
alpha-Chlordane[4]	3100	9600	NC	**53.6 J**	**7.2 J**	3.7 U	4 U	**2.9 J**	3.7 U	3.7 U	**40.2**
beta-BHC	600	1	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
Chlordane	3100	9600	NC	920 U	19 U	18 U	20 U	**22.5 J**	18 U	18 U	180 U
delta-BHC	22000	200	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
Dieldrin	70	4	NC	**454**	**5**	**1.6 J**	**1.5 J**	**1.5 J**	**3.7**	**3.2**	**59.3**
Endosulfan I	410000	3800	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
Endosulfan II	NC	NC	NC	180 U	3.8 U	3.7 U	4 U	3.7 U	3.7 U	3.7 U	37 U
Endosulfan Sulfate	NC	NC	NC	180 U	3.8 U	3.7 U	4 U	3.7 U	3.7 U	3.7 U	37 U
Endrin	21000	1000	NC	180 U	3.8 U	3.7 U	4 U	3.7 U	3.7 U	3.7 U	37 U
Endrin Aldehyde	NC	NC	NC	180 U	3.8 U	3.7 U	4 U	3.7 U	3.7 U	3.7 U	37 U
Endrin Ketone	NC	NC	NC	180 U	38 U	37 U	40 U	37 U	37 U	180 U	37 U
gamma-BHC (Lindane)	700	9	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	18 U
gamma-Chlordane[4]	3100	9600	NC	**60.2 J**	**6.7**	3.7 U	4 U	**1.8 J**	3.7 U	3.7 U	**19.6 J**
Heptachlor	200	23000	NC	92 U	19 U	18 U	20 U	18 U	18 U	92 U	18 U
Heptachlor Epoxide	100	600	NC	92 U	1.9 U	1.8 U	2 U	1.8 U	1.8 U	1.8 U	19.6
Methoxychlor	370000	160000	NC	370 U	77 U	74 U	79 U	74 U	74 U	370 U	74 U
Toxaphene	1000	31000	NC	9200 U	190 U	180 U	200 U	180 U	180 U	180 U	1800 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**6**	1.7 U	**5.3**	**5.4**	**1.6**	**2.9**	**3.6**	**3.3**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-177	SS-178	SS-179	SS-180	SS-181		SS-182	SS-183
								Sample	Duplicate		
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	**84.5 J**	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
4,4'-DDE	3300	18000	NC	**377**	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
4,4'-DDT	3300	11000	NC	**311**	36 U	39 U	39 U	190 U	190 U	170 U	180 U
Aldrin	70	500	NC	88 U	1.8 U	1.9 U	9.6 U	**5.2 J**	19 U	1.7 U	1.8 U
alpha-BHC	200	0.3	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	**85.6 J**	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
beta-BHC	600	1	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
Chlordane	3100	9600	NC	880 U	18 U	19 U	96 U	110 U	190 U	17 U	18 U
delta-BHC	22000	200	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
Dieldrin	70	4	NC	**621**	**2**	**1.3 J**	**66**	**67.9**	**71.4**	1.7 U	1.8 U
Endosulfan I	410000	3800	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
Endosulfan II	NC	NC	NC	180 U	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
Endosulfan Sulfate	NC	NC	NC	180 U	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
Endrin	21000	1000	NC	180 U	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
Endrin Aldehyde	NC	NC	NC	180 U	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
Endrin Ketone	NC	NC	NC	180 U	36 U	39 U	39 U	190 U	38 U	170 U	180 U
gamma-BHC (Lindane)	700	9	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	**52.9 J**	3.6 U	3.9 U	19 U	21 U	38 U	3.4 U	3.5 U
Heptachlor	200	23000	NC	88 U	18 U	19 U	19 U	96 U	19 U	86 U	88 U
Heptachlor Epoxide	100	600	NC	88 U	1.8 U	1.9 U	9.6 U	11 U	19 U	1.7 U	1.8 U
Methoxychlor	370000	160000	NC	350 U	71 U	77 U	77 U	380 U	76 U	350 U	350 U
Toxaphene	1000	31000	NC	8800 U	180 U	190 U	960 U	1100 U	1900 U	170 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**3**	**7**	**7.7**	**2.3**	**4.6**	**5.3**	0.37 U	0.38 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-184	SS-185	SS-186	SS-187	SS-188	SS-189	SS-190
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
4,4'-DDE	3300	18000	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
4,4'-DDT	3300	11000	NC	180 U	180 U	35 U	36 U	180 U	36 U	180 U
Aldrin	70	500	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
alpha-BHC	200	0.3	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
alpha-Chlordane[4]	3100	9600	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
beta-BHC	600	1	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
Chlordane	3100	9600	NC	18 U	18 U	18 U	18 U	180 U	18 U	180 U
delta-BHC	22000	200	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
Dieldrin	70	4	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
Endosulfan I	410000	3800	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
Endosulfan II	NC	NC	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
Endosulfan Sulfate	NC	NC	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
Endrin	21000	1000	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
Endrin Aldehyde	NC	NC	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
Endrin Ketone	NC	NC	NC	180 U	180 U	35 U	36 U	37 U	3.6 U	36 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
gamma-Chlordane[4]	3100	9600	NC	3.6 U	3.6 U	3.5 U	3.6 U	37 U	3.6 U	36 U
Heptachlor	200	23000	NC	91 U	91 U	18 U	18 U	18 U	1.8 U	18 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.8 U	1.8 U	1.8 U	18 U	1.8 U	18 U
Methoxychlor	370000	160000	NC	360 U	360 U	70 U	71 U	370 U	72 U	73 U
Toxaphene	1000	31000	NC	180 U	180 U	180 U	180 U	1800 U	180 U	1800 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	0.36 U	**0.5**	0.36 U	0.37 U	0.41 U	0.39 U	**2**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-191		SS-192	SS-193	SS-194	SS-195	SS-196	SS-197
				Sample	Duplicate						
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
4,4'-DDE	3300	18000	NC	38 U	**3.1 J**	38 U	**33.3 J**	35 U	38 U	3.7 U	38 U
4,4'-DDT	3300	11000	NC	190 U	38 U	190 U	190 U	180 U	190 U	37 U	190 U
Aldrin	70	500	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
alpha-BHC	200	0.3	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
alpha-Chlordane[4]	3100	9600	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
beta-BHC	600	1	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
Chlordane	3100	9600	NC	190 U	19 U	190 U	190 U	180 U	190 U	18 U	190 U
delta-BHC	22000	200	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
Dieldrin	70	4	NC	19 U	1.9 U	19 U	19 U	**11.6 J**	19 U	1.8 U	19 U
Endosulfan I	410000	3800	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
Endosulfan II	NC	NC	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
Endosulfan Sulfate	NC	NC	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
Endrin	21000	1000	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
Endrin Aldehyde	NC	NC	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
Endrin Ketone	NC	NC	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
gamma-BHC (Lindane)	700	9	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
gamma-Chlordane[4]	3100	9600	NC	38 U	3.8 U	38 U	39 U	35 U	38 U	3.7 U	38 U
Heptachlor	200	23000	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
Heptachlor Epoxide	100	600	NC	19 U	1.9 U	19 U	19 U	18 U	19 U	1.8 U	19 U
Methoxychlor	370000	160000	NC	380 U	76 U	380 U	390 U	350 U	380 U	74 U	380 U
Toxaphene	1000	31000	NC	1900 U	190 U	1900 U	1900 U	1800 U	1900 U	180 U	1900 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**0.42**	**0.63**	**0.54**	**1.4**	**1**	**3**	1.5 U	0.39 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-198	SS-199	SS-200	SS-201	SS-202	SS-203	SS-204	SS-205
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
4,4'-DDE	3300	18000	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
4,4'-DDT	3300	11000	NC	180 U	190 U	190 U	210 U	180 U	200 U	200 U	180 U
Aldrin	70	500	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
alpha-BHC	200	0.3	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
alpha-Chlordane[4]	3100	9600	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
beta-BHC	600	1	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Chlordane	3100	9600	NC	180 U	190 U	190 U	210 U	180 U	200 U	190 U	180 U
delta-BHC	22000	200	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Dieldrin	70	4	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Endosulfan I	410000	3800	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Endosulfan II	NC	NC	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
Endosulfan Sulfate	NC	NC	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
Endrin	21000	1000	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
Endrin Aldehyde	NC	NC	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
Endrin Ketone	NC	NC	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
gamma-BHC (Lindane)	700	9	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
gamma-Chlordane[4]	3100	9600	NC	35 U	37 U	38 U	42 U	37 U	39 U	39 U	37 U
Heptachlor	200	23000	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Heptachlor Epoxide	100	600	NC	18 U	19 U	19 U	21 U	18 U	20 U	19 U	18 U
Methoxychlor	370000	160000	NC	350 U	370 U	390 U	430 U	370 U	390 U	390 U	370 U
Toxaphene	1000	31000	NC	1800 U	1900 U	1900 U	2100 U	1800 U	2000 U	1900 U	1800 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**0.78**	0.4 U	**1.1**	0.42 U	0.4 U	0.39 U	0.41 U	1.2 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-206	SS-207	SS-208	SS-209	SS-210	SS-211	
									Sample	Duplicate
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
4,4'-DDE	3300	18000	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
4,4'-DDT	3300	11000	NC	37 U	37 U	35 U	180 U	43 U	180 U	37 U
Aldrin	70	500	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
alpha-BHC	200	0.3	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
beta-BHC	600	1	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
Chlordane	3100	9600	NC	18 U	18 U	18 U	180 U	21 U	180 U	18 U
delta-BHC	22000	200	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
Dieldrin	70	4	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	**28.2**	**22.9**
Endosulfan I	410000	3800	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
Endosulfan II	NC	NC	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
Endrin	21000	1000	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
Endrin Ketone	NC	NC	NC	3.7 U	3.7 U	3.5 U	37 U	43 U	37 U	3.7 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.8 U	1.8 U	18 U	21 U	18 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	3.5 U	37 U	4.3 U	37 U	3.7 U
Heptachlor	200	23000	NC	1.8 U	1.8 U	1.8 U	18 U	21 U	18 U	1.8 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.8 U	1.8 U	18 U	2.1 U	18 U	1.8 U
Methoxychlor	370000	160000	NC	74 U	74 U	70 U	74 U	86 U	74 U	74 U
Toxaphene	1000	31000	NC	180 U	180 U	180 U	1800 U	210 U	1800 U	180 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	0.39 U	0.36 U	0.4 U	**0.67**	0.49 U	**0.48**	**0.54**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-212	SS-213	SS-214	SS-215	SS-216	SS-217	SS-218
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
4,4'-DDE	3300	18000	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
4,4'-DDT	3300	11000	NC	220 U	210 U	220 U	240 U	190 U	180 U	180 U
Aldrin	70	500	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
alpha-BHC	200	0.3	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
alpha-Chlordane[4]	3100	9600	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
beta-BHC	600	1	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
Chlordane	3100	9600	NC	220 U	210 U	210 U	240 U	190 U	180 U	180 U
delta-BHC	22000	200	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
Dieldrin	70	4	NC	22 U	21 U	21 U	**58.5**	19 U	**85.7**	18 U
Endosulfan I	410000	3800	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
Endosulfan II	NC	NC	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
Endosulfan Sulfate	NC	NC	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
Endrin	21000	1000	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
Endrin Aldehyde	NC	NC	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
Endrin Ketone	NC	NC	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
gamma-BHC (Lindane)	700	9	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
gamma-Chlordane[4]	3100	9600	NC	45 U	43 U	43 U	48 U	38 U	36 U	36 U
Heptachlor	200	23000	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	22 U	21 U	21 U	24 U	19 U	18 U	18 U
Methoxychlor	370000	160000	NC	450 U	430 U	430 U	480 U	380 U	360 U	360 U
Toxaphene	1000	31000	NC	2200 U	2100 U	2100 U	2400 U	1900 U	1800 U	1800 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	**5.3**	1.3 U	1.4 U	**13.1**	**6.1**	**2.1**	0.63 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-219	SS-220	SS-221		SS-222	SS-223	SS-224	SS-225
						Sample	Duplicate				
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
4,4'-DDE	3300	18000	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
4,4'-DDT	3300	11000	NC	180 U	200 U	190 U	190 U	200 U	190 U	180 U	190 U
Aldrin	70	500	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
alpha-BHC	200	0.3	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
alpha-Chlordane[4]	3100	9600	NC	36 U	39 U	38 U	38 U	41 U	**9.8 J**	36 U	38 U
beta-BHC	600	1	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
Chlordane	3100	9600	NC	180 U	200 U	190 U	190 U	200 U	190 U	180 U	190 U
delta-BHC	22000	200	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
Dieldrin	70	4	NC	**22.3**	20 U	19 U	19 U	20 U	**209**	18 U	19 U
Endosulfan I	410000	3800	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
Endosulfan II	NC	NC	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
Endosulfan Sulfate	NC	NC	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
Endrin	21000	1000	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
Endrin Aldehyde	NC	NC	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
Endrin Ketone	NC	NC	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
gamma-BHC (Lindane)	700	9	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
gamma-Chlordane[4]	3100	9600	NC	36 U	39 U	38 U	38 U	41 U	38 U	36 U	38 U
Heptachlor	200	23000	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
Heptachlor Epoxide	100	600	NC	18 U	20 U	19 U	19 U	20 U	19 U	18 U	19 U
Methoxychlor	370000	160000	NC	360 U	390 U	380 U	390 U	410 U	380 U	360 U	380 U
Toxaphene	1000	31000	NC	1800 U	2000 U	1900 U	1900 U	2000 U	1900 U	1800 U	1900 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.59 U	0.42 U	0.41 U	0.58 U	**3.7**	**2.9**	0.37 U	0.39 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-226	SS-227	SS-228	SS-229	SS-230	SS-231		SS-232
									Sample	Duplicate	
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
4,4'-DDE	3300	18000	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
4,4'-DDT	3300	11000	NC	36 U	38 U	38 U	38 U	37 U	36 U	72 U	36 U
Aldrin	70	500	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	15 U	**1.8 J**	**112**	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
beta-BHC	600	1	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	74 U	**78.3 J**	**874 J**	19 U	18 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**66.3**	**7.6**	**42.8**	**2**	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
Endosulfan Sulfate	NC	NC	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin	21000	1000	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin Aldehyde	NC	NC	NC	15 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin Ketone	NC	NC	NC	36 U	3.8 U	38 U	3.8 U	3.7 U	3.6 U	3.6 U	36 U
gamma-BHC (Lindane)	700	9	NC	7.4 U	1.9 U	19 U	1.9 U	1.8 U	1.8 U	1.8 U	18 U
gamma-Chlordane[4]	3100	9600	NC	15 U	**1.1 J**	**51.8**	3.8 U	3.7 U	3.6 U	3.6 U	3.6 U
Heptachlor	200	23000	NC	7.4 U	1.9 U	19 U	1.9 U	18 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	7.4 U	1.9 U	**9.3 J**	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	72 U	76 U	76 U	75 U	73 U	71 U	71 U	72 U
Toxaphene	1000	31000	NC	740 U	190 U	1900 U	190 U	180 U	180 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**12.5**	**10.3**	**5.8**	2.8 U	0.34 U	0.38 U	0.33 U	0.36 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-233	SS-234	SS-235	SS-236	SS-237	SS-238	SS-239	SS-240
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
4,4'-DDE	3300	18000	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	**1.2 J**
4,4'-DDT	3300	11000	NC	43 U	43 U	40 U	38 U	36 U	39 U	38 U	38 U
Aldrin	70	500	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
alpha-BHC	200	0.3	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
alpha-Chlordane[4]	3100	9600	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	**2.4 J**
beta-BHC	600	1	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
Chlordane	3100	9600	NC	21 U	86 U	79 U	19 U	18 U	20 U	19 U	**52.4 J**
delta-BHC	22000	200	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
Dieldrin	70	4	NC	**30.8**	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	**3.3**
Endosulfan I	410000	3800	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
Endosulfan II	NC	NC	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
Endosulfan Sulfate	NC	NC	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
Endrin	21000	1000	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
Endrin Aldehyde	NC	NC	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
Endrin Ketone	NC	NC	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	3.8 U
gamma-BHC (Lindane)	700	9	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
gamma-Chlordane[4]	3100	9600	NC	4.3 U	17 U	16 U	3.8 U	3.6 U	3.9 U	3.8 U	**1.7 J**
Heptachlor	200	23000	NC	2.1 U	22 U	20 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
Heptachlor Epoxide	100	600	NC	2.1 U	8.6 U	7.9 U	1.9 U	1.8 U	2 U	1.9 U	1.9 U
Methoxychlor	370000	160000	NC	85 U	86 U	79 U	75 U	71 U	78 U	75 U	77 U
Toxaphene	1000	31000	NC	210 U	860 U	790 U	190 U	180 U	200 U	190 U	190 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.74 U	3.7 U	1.5 U	0.4 U	0.41 U	0.9 U	0.84 U	0.66 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-241		SS-242	SS-243			SS-244	SS-245
				Sample	Duplicate		Sample	CEF-P51-SS-243-AVG	Duplicate		
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	4.5 U
4,4'-DDE	3300	18000	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	**8 J**	4.5 U
4,4'-DDT	3300	11000	NC	38 U	39 U	74 U	80 U	80 U	40 U	**21.1 J**	45 U
Aldrin	70	500	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
alpha-BHC	200	0.3	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
alpha-Chlordane[4]	3100	9600	NC	15 U	16 U	3.7 U	**226**	226	**258**	**26.8 J**	4.5 U
beta-BHC	600	1	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
Chlordane	3100	9600	NC	77 U	78 U	19 U	**2340 J**	2340 J	**2520 J**	**417 J**	23 U
delta-BHC	22000	200	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
Dieldrin	70	4	NC	7.7 U	**3.5 J**	1.9 U	**71.5**	**71.5**	**68.4**	**93.6**	2.3 U
Endosulfan I	410000	3800	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
Endosulfan II	NC	NC	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	4.5 U
Endosulfan Sulfate	NC	NC	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	4.5 U
Endrin	21000	1000	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	4.5 U
Endrin Aldehyde	NC	NC	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	4.5 U
Endrin Ketone	NC	NC	NC	15 U	16 U	3.7 U	40 U	40 U	40 U	39 U	45 U
gamma-BHC (Lindane)	700	9	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	23 U
gamma-Chlordane[4]	3100	9600	NC	15 U	16 U	3.7 U	**92.4**	92.4	**114**	**21.4 J**	4.5 U
Heptachlor	200	23000	NC	19 U	20 U	19 U	20 U	20 U	20 U	20 U	23 U
Heptachlor Epoxide	100	600	NC	7.7 U	7.8 U	1.9 U	20 U	20 U	20 U	20 U	2.3 U
Methoxychlor	370000	160000	NC	77 U	79 U	75 U	79 U	79 U	79 U	78 U	90 U
Toxaphene	1000	31000	NC	770 U	780 U	190 U	2000 U	2000 U	2000 U	2000 U	230 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.2 U	0.95 U	0.38 U	3.4 U	3.5 U	3.6 U	3.8 U	0.48 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-246	SS-247	SS-248	SS-249	SS-250	SS-251	SS-252	SS-253
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
4,4'-DDE	3300	18000	NC	3.7 U	7.4 U	**0.82 J**	14 U	3.7 U	**1.8 J**	19 U	3.6 U
4,4'-DDT	3300	11000	NC	74 U	74 U	74 U	72 U	37 U	36 U	38 U	36 U
Aldrin	70	500	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
alpha-BHC	200	0.3	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	**25.4**	**1.2 J**	14 U	**1.6 J**	**4.8**	19 U	3.6 U
beta-BHC	600	1	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
Chlordane	3100	9600	NC	18 U	180 U	**42.2 J**	72 U	19 U	**87.5 J**	94 U	18 U
delta-BHC	22000	200	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
Dieldrin	70	4	NC	**2.7**	**35.6**	**5.9**	**61.5**	**24.5**	**1.4 J**	**89.4**	1.8 U
Endosulfan I	410000	3800	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
Endosulfan II	NC	NC	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
Endrin	21000	1000	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
Endrin Aldehyde	NC	NC	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
Endrin Ketone	NC	NC	NC	3.7 U	7.4 U	3.7 U	14 U	3.7 U	3.6 U	19 U	3.6 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	**5.6 J**	3.7 U	14 U	3.7 U	**4.5**	19 U	3.6 U
Heptachlor	200	23000	NC	18 U	3.7 U	18 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
Heptachlor Epoxide	100	600	NC	1.8 U	3.7 U	1.8 U	7.2 U	1.9 U	1.8 U	9.4 U	1.8 U
Methoxychlor	370000	160000	NC	74 U	74 U	74 U	72 U	74 U	72 U	75 U	71 U
Toxaphene	1000	31000	NC	180 U	370 U	180 U	720 U	190 U	180 U	940 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5.2**	**7.4**	**5.8**	1.4 U	**6.8**	0.54 U	**9.7**	0.36 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-254		SS-255	SS-256	SS-257	SS-258	SS-259	SS-260
				Sample	Duplicate						
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.5 U	3.5 U	3.7 U	4 U	3.9 U	3.5 U	22 U	3.8 U
4,4'-DDE	3300	18000	NC	3.5 U	3.5 U	3.7 U	4 U	**0.86 J**	**2.9 J**	22 U	3.8 U
4,4'-DDT	3300	11000	NC	35 U	35 U	74 U	80 U	78 U	70 U	110 U	38 U
Aldrin	70	500	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	11 U	1.9 U
alpha-BHC	200	0.3	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	11 U	1.9 U
alpha-Chlordane[4]	3100	9600	NC	3.5 U	3.5 U	3.7 U	4 U	**3.1 J**	3.5 U	22 U	3.8 U
beta-BHC	600	1	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	11 U	1.9 U
Chlordane	3100	9600	NC	18 U	17 U	19 U	20 U	190 U	180 U	110 U	19 U
delta-BHC	22000	200	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	11 U	1.9 U
Dieldrin	70	4	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	**73.4**	1.9 U
Endosulfan I	410000	3800	NC	1.8 U	1.7 U	1.9 U	2 U	1.9 U	1.8 U	11 U	1.9 U
Endosulfan II	NC	NC	NC	3.5 U	3.5 U	3.7 U	4 U	3.9 U	3.5 U	22 U	3.8 U
Endosulfan Sulfate	NC	NC	NC	3.5 U	3.5 U	3.7 U	4 U	3.9 U	3.5 U	22 U	3.8 U
Endrin	21000	1000	NC	3.5 U	3.5 U	3.7 U	4 U	3.9 U	3.5 U	22 U	3.8 U
Endrin Aldehyde	NC	NC	NC	3.5 U	3.5 U	3.7 U	4 U	3.9 U	3.5 U	22 U	3.8 U
Endrin Ketone	NC	NC	NC	3.5 U	3.5 U	37 U	40 U	3.9 U	3.5 U	55 U	3.8 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.7 U	19 U	20 U	1.9 U	1.8 U	28 U	1.9 U
gamma-Chlordane[4]	3100	9600	NC	3.5 U	3.5 U	3.7 U	4 U	**4.4**	**1.1 J**	22 U	3.8 U
Heptachlor	200	23000	NC	18 U	17 U	19 U	20 U	1.9 U	1.8 U	28 U	19 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.7 U	1.9 U	2 U	**1.4 J**	1.8 U	11 U	1.9 U
Methoxychlor	370000	160000	NC	70 U	70 U	75 U	81 U	78 U	70 U	110 U	76 U
Toxaphene	1000	31000	NC	180 U	170 U	190 U	200 U	190 U	180 U	1100 U	190 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.39 U	0.43 U	0.66 U	2.5 U	1.3 U	0.32 U	5.4 U	0.78 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-261	SS-262	SS-263	SS-264	SS-265	SS-266	SS-267	SS-268
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
4,4'-DDE	3300	18000	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
4,4'-DDT	3300	11000	NC	37 U	38 U	37 U	74 U	36 U	36 U	36 U	37 U
Aldrin	70	500	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
alpha-BHC	200	0.3	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	37 U	**11.9 J**	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
beta-BHC	600	1	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
Chlordane	3100	9600	NC	180 U	96 U	19 U	18 U	18 U	18 U	72 U	18 U
delta-BHC	22000	200	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
Dieldrin	70	4	NC	**156**	**96.2**	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
Endosulfan I	410000	3800	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
Endosulfan II	NC	NC	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
Endrin	21000	1000	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
Endrin Aldehyde	NC	NC	NC	37 U	19 U	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
Endrin Ketone	NC	NC	NC	37 U	19 U	37 U	37 U	3.7 U	3.6 U	14 U	37 U
gamma-BHC (Lindane)	700	9	NC	18 U	9.6 U	19 U	18 U	1.8 U	1.8 U	7.2 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	37 U	**3.5 J**	3.7 U	3.7 U	3.7 U	3.6 U	14 U	3.7 U
Heptachlor	200	23000	NC	18 U	19 U	19 U	18 U	18 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	18 U	9.6 U	1.9 U	1.8 U	1.8 U	1.8 U	7.2 U	1.8 U
Methoxychlor	370000	160000	NC	74 U	76 U	75 U	74 U	73 U	72 U	72 U	73 U
Toxaphene	1000	31000	NC	1800 U	960 U	190 U	180 U	180 U	180 U	720 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	2.8 U	**15.8**	0.36 U	0.44 U	0.51 U	0.37 U	0.33 U	0.38 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-269	SS-270	SS-271	SS-272	SS-273	SS-274		SS-275
									Sample	Duplicate	
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.6 U	**0.77 J**	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
4,4'-DDE	3300	18000	NC	3.6 U	**1.4 J**	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
4,4'-DDT	3300	11000	NC	36 U	37 U	35 U	36 U	76 U	36 U	36 U	37 U
Aldrin	70	500	NC	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
alpha-BHC	200	0.3	NC	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
alpha-Chlordane[4]	3100	9600	NC	3.6 U	**13.6**	**2.6 J**	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
beta-BHC	600	1	NC	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
Chlordane	3100	9600	NC	18 U	**123 J**	**45.8 J**	18 U	19 U	18 U	18 U	19 U
delta-BHC	22000	200	NC	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
Dieldrin	70	4	NC	1.8 U	**29.2**	**2.2**	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
Endosulfan I	410000	3800	NC	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
Endosulfan II	NC	NC	NC	3.6 U	3.7 U	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
Endosulfan Sulfate	NC	NC	NC	3.6 U	3.7 U	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
Endrin	21000	1000	NC	3.6 U	3.7 U	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
Endrin Aldehyde	NC	NC	NC	3.6 U	3.7 U	3.5 U	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
Endrin Ketone	NC	NC	NC	36 U	3.7 U	3.5 U	36 U	38 U	3.6 U	36 U	37 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.8 U	1.8 U	1.8 U	19 U	1.8 U	18 U	19 U
gamma-Chlordane[4]	3100	9600	NC	3.6 U	**3.3 J**	**1.9 J**	3.6 U	3.8 U	3.6 U	3.6 U	3.7 U
Heptachlor	200	23000	NC	18 U	18 U	18 U	18 U	19 U	18 U	18 U	19 U
Heptachlor Epoxide	100	600	NC	1.8 U	**1.3 J**	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.9 U
Methoxychlor	370000	160000	NC	71 U	74 U	70 U	72 U	77 U	72 U	72 U	75 U
Toxaphene	1000	31000	NC	180 U	180 U	180 U	180 U	190 U	180 U	180 U	190 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.8 U	**3.8**	**5**	0.38 U	0.52 U	0.37 U	0.36 U	0.34 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-276		SS-277	SS-278	SS-279	SS-280	SS-281	
				Sample	Duplicate					Sample	Duplicate
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
4,4'-DDE	3300	18000	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
4,4'-DDT	3300	11000	NC	38 U	38 U	38 U	39 U	37 U	38 U	38 U	170 U
Aldrin	70	500	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
alpha-BHC	200	0.3	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	**77.4**	3.8 U	34 U
beta-BHC	600	1	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
Chlordane	3100	9600	NC	19 U	19 U	19 U	19 U	19 U	**1130 J**	19 U	170 U
delta-BHC	22000	200	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
Dieldrin	70	4	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	**199**	**7.4**	**9.7 J**
Endosulfan I	410000	3800	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
Endosulfan II	NC	NC	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
Endosulfan Sulfate	NC	NC	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
Endrin	21000	1000	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
Endrin Aldehyde	NC	NC	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	38 U	3.8 U	34 U
Endrin Ketone	NC	NC	NC	38 U	38 U	38 U	39 U	37 U	38 U	38 U	34 U
gamma-BHC (Lindane)	700	9	NC	19 U	19 U	19 U	19 U	19 U	19 U	1.9 U	17 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	3.8 U	3.8 U	3.9 U	3.7 U	**22 J**	3.8 U	34 U
Heptachlor	200	23000	NC	19 U	19 U	19 U	19 U	19 U	19 U	19 U	17 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	19 U	1.9 U	17 U
Methoxychlor	370000	160000	NC	75 U	75 U	76 U	78 U	75 U	76 U	76 U	69 U
Toxaphene	1000	31000	NC	190 U	190 U	190 U	190 U	190 U	1900 U	190 U	1700 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.32 U	0.37 U	0.4 U	0.4 U	1 U	2 U	**14.2**	**13.6**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-282	SS-283	SS-284	SS-285	SS-286	SS-287	SS-288	SS-289
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
4,4'-DDE	3300	18000	NC	3.7 U	3.6 U	3.6 U	**1.6 J**	3.7 U	3.6 U	3.6 U	3.6 U
4,4'-DDT	3300	11000	NC	37 U	36 U	36 U	36 U	37 U	36 U	36 U	36 U
Aldrin	70	500	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
alpha-BHC	200	0.3	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.6 U	**1.7 J**	3.7 U	3.6 U	3.6 U	3.6 U
beta-BHC	600	1	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
Chlordane	3100	9600	NC	19 U	18 U	18 U	18 U	19 U	18 U	18 U	18 U
delta-BHC	22000	200	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
Dieldrin	70	4	NC	**1.4 J**	1.8 U	**10.1**	**7.3**	**6.3**	**1.2 J**	1.8 U	1.8 U
Endosulfan I	410000	3800	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
Endosulfan II	NC	NC	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin	21000	1000	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
Endrin Ketone	NC	NC	NC	3.7 U	36 U	3.6 U	36 U	37 U	3.6 U	3.6 U	3.6 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.6 U	3.6 U	3.7 U	3.6 U	3.6 U	3.6 U
Heptachlor	200	23000	NC	19 U	18 U	18 U	18 U	19 U	18 U	18 U	18 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
Methoxychlor	370000	160000	NC	75 U	71 U	71 U	72 U	75 U	72 U	73 U	73 U
Toxaphene	1000	31000	NC	190 U	180 U	180 U	180 U	190 U	180 U	180 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5**	2.3 U	0.33 U	0.94 U	0.75 U	0.53 U	0.4 U	0.37 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-290	SS-291	SS-292		SS-293	SS-294	SS-295	SS-296
						Sample	Duplicate				
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
4,4'-DDE	3300	18000	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
4,4'-DDT	3300	11000	NC	37 U	37 U	36 U	72 U	38 U	37 U	37 U	38 U
Aldrin	70	500	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
alpha-BHC	200	0.3	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	**19.2 J**	**46.9 J**	3.8 U	3.7 U	3.7 U	3.8 U
beta-BHC	600	1	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
Chlordane	3100	9600	NC	19 U	18 U	**243 J**	**431 J**	19 U	18 U	18 U	19 U
delta-BHC	22000	200	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
Dieldrin	70	4	NC	1.9 U	1.8 U	**110 J**	**322 J**	1.9 U	1.8 U	1.8 U	1.9 U
Endosulfan I	410000	3800	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
Endosulfan II	NC	NC	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
Endrin	21000	1000	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.7 U	36 U	72 U	3.8 U	3.7 U	3.7 U	3.8 U
Endrin Ketone	NC	NC	NC	37 U	37 U	36 U	72 U	38 U	3.7 U	37 U	38 U
gamma-BHC (Lindane)	700	9	NC	19 U	18 U	18 U	36 U	19 U	1.8 U	1.8 U	1.9 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	**10.8 J**	**26.6 J**	3.8 U	3.7 U	3.7 U	3.8 U
Heptachlor	200	23000	NC	19 U	18 U	18 U	36 U	19 U	18 U	18 U	19 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.8 U	18 U	36 U	1.9 U	1.8 U	1.8 U	1.9 U
Methoxychlor	370000	160000	NC	75 U	74 U	71 U	140 U	77 U	74 U	74 U	76 U
Toxaphene	1000	31000	NC	190 U	180 U	1800 U	3600 U	190 U	180 U	180 U	190 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	1.2 U	0.43 U	2.7 U	2.2 U	0.99 U	0.54 U	0.42 U	0.4 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-297	SS-298	SS-299	SS-300	SS-301	SS-302	SS-303	SS-304
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
4,4'-DDE	3300	18000	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
4,4'-DDT	3300	11000	NC	36 U	36 U	94 U	36 U	36 U	37 U	35 U	39 U
Aldrin	70	500	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
alpha-BHC	200	0.3	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
alpha-Chlordane[4]	3100	9600	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	**4**	3.5 U	3.9 U
beta-BHC	600	1	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Chlordane	3100	9600	NC	180 U	18 U	470 U	18 U	18 U	**81.7 J**	18 U	20 U
delta-BHC	22000	200	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Dieldrin	70	4	NC	18 U	1.8 U	**443**	1.8 U	1.8 U	**9.6**	1.8 U	2 U
Endosulfan I	410000	3800	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Endosulfan II	NC	NC	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
Endosulfan Sulfate	NC	NC	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
Endrin	21000	1000	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
Endrin Aldehyde	NC	NC	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	3.7 U	3.5 U	3.9 U
Endrin Ketone	NC	NC	NC	36 U	3.6 U	94 U	36 U	3.6 U	3.7 U	3.5 U	39 U
gamma-BHC (Lindane)	700	9	NC	18 U	1.8 U	47 U	18 U	1.8 U	1.8 U	1.8 U	20 U
gamma-Chlordane[4]	3100	9600	NC	36 U	3.6 U	94 U	3.6 U	3.6 U	**3.1 J**	3.5 U	3.9 U
Heptachlor	200	23000	NC	18 U	1.8 U	47 U	18 U	18 U	18 U	18 U	20 U
Heptachlor Epoxide	100	600	NC	18 U	1.8 U	47 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Methoxychlor	370000	160000	NC	71 U	71 U	190 U	72 U	71 U	74 U	70 U	78 U
Toxaphene	1000	31000	NC	1800 U	180 U	4700 U	180 U	180 U	180 U	180 U	200 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.38 U	0.43 U	**8.7**	0.53 U	0.31 U	0.6 U	0.36 U	2.7 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-305	SS-306		SS-307	SS-308	SS-309	SS-310	SS-311
					Sample	Duplicate					
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
4,4'-DDE	3300	18000	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
4,4'-DDT	3300	11000	NC	37 U	37 U	180 U	76 U	36 U	38 U	36 U	15 U
Aldrin	70	500	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
alpha-BHC	200	0.3	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
beta-BHC	600	1	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
Chlordane	3100	9600	NC	19 U	18 U	180 U	19 U	18 U	19 U	180 U	76 U
delta-BHC	22000	200	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
Dieldrin	70	4	NC	**0.97 J**	1.8 U	18 U	1.9 U	1.8 U	1.9 U	**137**	**73.5**
Endosulfan I	410000	3800	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
Endosulfan II	NC	NC	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
Endrin	21000	1000	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
Endrin Ketone	NC	NC	NC	3.7 U	37 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.7 U	37 U	3.8 U	3.6 U	3.8 U	36 U	15 U
Heptachlor	200	23000	NC	19 U	18 U	18 U	19 U	1.8 U	19 U	18 U	7.6 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.8 U	18 U	1.9 U	1.8 U	1.9 U	18 U	7.6 U
Methoxychlor	370000	160000	NC	74 U	74 U	73 U	76 U	71 U	76 U	72 U	30 U
Toxaphene	1000	31000	NC	190 U	180 U	1800 U	190 U	180 U	190 U	1800 U	760 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.6 U	0.39 U	0.52 U	0.37 U	0.37 U	0.98 U	0.49 U	**7.1**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-312	SS-313		SS-314	SS-315	SS-316	SS-317	SS-318
					Sample	Duplicate					
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
4,4'-DDE	3300	18000	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
4,4'-DDT	3300	11000	NC	38 U	40 U	39 U	37 U	82 U	35 U	74 U	42 U
Aldrin	70	500	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
alpha-BHC	200	0.3	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	4 U	3.9 U	3.7 U	**12.1**	3.5 U	3.7 U	4.2 U
beta-BHC	600	1	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
Chlordane	3100	9600	NC	19 U	20 U	20 U	18 U	**105 J**	17 U	19 U	21 U
delta-BHC	22000	200	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
Dieldrin	70	4	NC	1.9 U	2 U	2 U	1.8 U	**17.2**	1.7 U	1.9 U	2.1 U
Endosulfan I	410000	3800	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
Endosulfan II	NC	NC	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
Endosulfan Sulfate	NC	NC	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
Endrin	21000	1000	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
Endrin Aldehyde	NC	NC	NC	3.8 U	4 U	3.9 U	3.7 U	4.1 U	3.5 U	3.7 U	4.2 U
Endrin Ketone	NC	NC	NC	3.8 U	4 U	39 U	37 U	4.1 U	3.5 U	3.7 U	4.2 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	2 U	20 U	18 U	2 U	1.7 U	1.9 U	2.1 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	4 U	3.9 U	3.7 U	**2.7 J**	3.5 U	3.7 U	4.2 U
Heptachlor	200	23000	NC	19 U	20 U	20 U	18 U	20 U	17 U	19 U	21 U
Heptachlor Epoxide	100	600	NC	1.9 U	2 U	2 U	1.8 U	2 U	1.7 U	1.9 U	2.1 U
Methoxychlor	370000	160000	NC	75 U	80 U	78 U	73 U	82 U	70 U	74 U	84 U
Toxaphene	1000	31000	NC	190 U	200 U	200 U	180 U	200 U	170 U	190 U	210 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	3.2 U	1.1 U	1.6 U	0.38 U	**7.8**	0.52 U	0.39 U	0.48 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-319	SS-320	SS-321	SS-322	SS-323	SS-324	SS-325	SS-326
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	4 U
4,4'-DDE	3300	18000	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	**0.41 J**	3.8 U	4 U
4,4'-DDT	3300	11000	NC	37 U	36 U	35 U	38 U	38 U	72 U	38 U	40 U
Aldrin	70	500	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
alpha-BHC	200	0.3	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	**3.9**	3.8 U	4 U
beta-BHC	600	1	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Chlordane	3100	9600	NC	18 U	18 U	18 U	19 U	19 U	**98.9 J**	19 U	20 U
delta-BHC	22000	200	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Dieldrin	70	4	NC	**18.4**	1.8 U	1.8 U	1.9 U	**2.9**	**12.8**	1.9 U	2 U
Endosulfan I	410000	3800	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Endosulfan II	NC	NC	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	4 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	4 U
Endrin	21000	1000	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	4 U
Endrin Aldehyde	NC	NC	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	4 U
Endrin Ketone	NC	NC	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	3.6 U	3.8 U	40 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	20 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	3.6 U	3.5 U	3.8 U	3.8 U	**2.3 J**	3.8 U	4 U
Heptachlor	200	23000	NC	18 U	18 U	18 U	19 U	19 U	18 U	19 U	20 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Methoxychlor	370000	160000	NC	74 U	71 U	70 U	75 U	75 U	72 U	75 U	81 U
Toxaphene	1000	31000	NC	180 U	180 U	180 U	190 U	190 U	180 U	190 U	200 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**4.6**	0.3 U	0.34 U	0.41 U	**7.5**	**14.1**	0.42 U	0.6 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SS-327	SS-328	SS-329	SS-330	SS-331	SS-332	SS-G01
Pesticides (mg/kg)										
4,4'-DDD	4600	4000	NC	3.5 U	3.8 U	18 U	3.9 U	3.7 U	3.6 U	370 U
4,4'-DDE	3300	18000	NC	3.5 U	3.8 U	**25**	3.9 U	3.7 U	3.6 U	**222 J**
4,4'-DDT	3300	11000	NC	35 U	38 U	**25.3 J**	78 U	37 U	36 U	370 U
Aldrin	70	500	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
alpha-BHC	200	0.3	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
alpha-Chlordane[4]	3100	9600	NC	3.5 U	3.8 U	**45.1**	3.9 U	3.7 U	3.6 U	**2970 J**
beta-BHC	600	1	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
Chlordane	3100	9600	NC	18 U	19 U	**546**	19 U	18 U	18 U	**21400**
delta-BHC	22000	200	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
Dieldrin	70	4	NC	1.8 U	1.9 U	**61.3**	**2.2**	1.8 U	1.8 U	**173 J**
Endosulfan I	410000	3800	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
Endosulfan II	NC	NC	NC	3.5 U	3.8 U	18 U	3.9 U	3.7 U	3.6 U	370 U
Endosulfan Sulfate	NC	NC	NC	3.5 U	3.8 U	18 U	3.9 U	3.7 U	3.6 U	370 U
Endrin	21000	1000	NC	3.5 U	3.8 U	18 U	3.9 U	3.7 U	3.6 U	370 U
Endrin Aldehyde	NC	NC	NC	3.5 U	3.8 U	18 U	3.9 U	3.7 U	3.6 U	370 U
Endrin Ketone	NC	NC	NC	35 U	3.8 U	18 U	3.9 U	37 U	36 U	370 U
gamma-BHC (Lindane)	700	9	NC	18 U	1.9 U	9.2 U	1.9 U	18 U	18 U	180 U
gamma-Chlordane[4]	3100	9600	NC	3.5 U	3.8 U	**24.7**	3.9 U	3.7 U	3.6 U	**3010 J**
Heptachlor	200	23000	NC	18 U	19 U	18 U	19 U	18 U	18 U	180 U
Heptachlor Epoxide	100	600	NC	1.8 U	1.9 U	9.2 U	1.9 U	1.8 U	1.8 U	180 U
Methoxychlor	370000	160000	NC	70 U	75 U	74 U	78 U	73 U	72 U	740 U
Toxaphene	1000	31000	NC	180 U	190 U	920 U	190 U	180 U	180 U	18000 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	0.38 U	0.41 U	**6.1**	0.84 U	0.34 U	0.43 U	**21.9**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-G02		SS-203R*	SS-G03	SS-G04	SS-G05	SS-G06	SS-G06B
				Sample	Duplicate						
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	2000 U	780 U	800 U	380 U	770 U	740 U	3.8 U	310 U
4,4'-DDE	3300	18000	NC	**717 J**	**329 J**	800 U	**93.8 J**	**533 J**	**252 J**	3.8 U	**126 J**
4,4'-DDT	3300	11000	NC	2000 U	**563 J**	800 U	380 U	770 U	740 U	15 U	310 U
Aldrin	70	500	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
alpha-BHC	200	0.3	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
alpha-Chlordane[4]	3100	9600	NC	**12800 J**	**4590 J**	**4850**	**1280**	**6160 J**	**2860**	**3.6 J**	**1510**
beta-BHC	600	1	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
Chlordane	3100	9600	NC	**122000 J**	**35000 J**	**27900**	**12600**	**59000**	**23700**	19 U	**13700**
delta-BHC	22000	200	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
Dieldrin	70	4	NC	**258 J**	**177 J**	400 U	**132 J**	**293 J**	**308 J**	**14.1**	**89.6 J**
Endosulfan I	410000	3800	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
Endosulfan II	NC	NC	NC	2000 U	780 U	800 U	380 U	770 U	740 U	3.8 U	310 U
Endosulfan Sulfate	NC	NC	NC	2000 U	780 U	800 U	380 U	770 U	740 U	3.8 U	310 U
Endrin	21000	1000	NC	2000 U	780 U	800 UJ	380 U	770 U	740 U	3.8 U	310 U
Endrin Aldehyde	NC	NC	NC	2000 U	780 U	800 U	380 U	770 U	740 U	3.8 U	310 U
Endrin Ketone	NC	NC	NC	2000 U	780 U	800 U	380 U	770 U	740 U	3.8 U	310 U
gamma-BHC (Lindane)	700	9	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
gamma-Chlordane[4]	3100	9600	NC	**13800 J**	**4670 J**	**4850**	**1260**	**6280 J**	**2830**	**1.5 J**	**1500**
Heptachlor	200	23000	NC	980 U	390 U	400 U	190 U	380 U	370 U	1.9 U	150 U
Heptachlor Epoxide	100	600	NC	**508 J**	**273 J**	400 U	**46 J**	**281 J**	370 U	1.9 U	150 U
Methoxychlor	370000	160000	NC	3900 U	1600 U	1600 UJ	760 U	1500 U	1500 U	30 U	620 U
Toxaphene	1000	31000	NC	98000 U	39000 U	40000 U	19000 U	38000 U	37000 U	190 U	15000 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**15.9**	**13.9**	NA	**21**	**22.7**	**18.3**	**2.9**	**17.5**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-G07	SS-G08	SS-G09	SS-G10		SS-G10B	SS-204R*	SS-G11
							Sample	Duplicate			
Pesticides (µg/kg)											
4,4'-DDD	4600	4000	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 U	**325 J**
4,4'-DDE	3300	18000	NC	960 U	**43.7 J**	**482 J**	3.7 U	3.7 U	**711 J**	770 U	**651 J**
4,4'-DDT	3300	11000	NC	960 U	190 U	2000 U	3.7 U	3.7 U	4200 U	770 UJ	950 U
Aldrin	70	500	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
alpha-BHC	200	0.3	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
alpha-Chlordane[4]	3100	9600	NC	**3350**	**855**	**6400**	3.7 U	3.7 U	**10100 J**	**5750**	**6130**
beta-BHC	600	1	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
Chlordane	3100	9600	NC	**29100**	**10400**	**57500**	18 U	18 U	**80800 J**	**33500**	**51100**
delta-BHC	22000	200	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
Dieldrin	70	4	NC	**303 J**	**38.6 J**	**359 J**	**2.5**	**3**	**506 J**	380 U	**401 J**
Endosulfan I	410000	3800	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
Endosulfan II	NC	NC	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 U	950 U
Endosulfan Sulfate	NC	NC	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 U	950 U
Endrin	21000	1000	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 UJ	950 U
Endrin Aldehyde	NC	NC	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 U	950 U
Endrin Ketone	NC	NC	NC	960 U	190 U	2000 U	3.7 U	3.7 U	2100 U	770 U	950 U
gamma-BHC (Lindane)	700	9	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
gamma-Chlordane[4]	3100	9600	NC	**3350**	**875**	**6560**	3.7 U	3.7 U	**10400**	**5700**	**6180**
Heptachlor	200	23000	NC	480 U	96 U	1000 U	1.8 U	1.8 U	1000 U	380 U	480 U
Heptachlor Epoxide	100	600	NC	**192 J**	96 U	1000 U	1.8 U	1.8 U	**735 J**	**328 J**	**597**
Methoxychlor	370000	160000	NC	1900 U	380 U	4000 U	7.3 U	7.4 U	8200 U	1500 UJ	1900 U
Toxaphene	1000	31000	NC	48000 U	9600 U	100000 U	180 U	180 U	100000 U	38000 U	48000 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**14.7 J**	**12.8 J**	**25.1 J**	**1.6**	**3.4**	**16.8**	NA	**13**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-G12	SS-205R*	SS-G13	SS-G13B	SS-G14		SS-G14B	SS-G15
								Sample	Duplicate		
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	770 U	460 U	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
4,4'-DDE	3300	18000	NC	**812**	460 U	3.7 U	**88.2 J**	3.7 U	3.7 U	1500 U	3.5 U
4,4'-DDT	3300	11000	NC	**944**	460 UJ	37 U	200 U	37 U	37 U	1500 U	3.5 U
Aldrin	70	500	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
alpha-BHC	200	0.3	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
alpha-Chlordane[4]	3100	9600	NC	**3730**	2400	3.7 U	**1120**	3.7 U	3.7 U	**3460**	3.5 U
beta-BHC	600	1	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
Chlordane	3100	9600	NC	**32000 J**	**13600**	19 U	**8230**	19 U	19 U	**29100**	18 U
delta-BHC	22000	200	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
Dieldrin	70	4	NC	380 U	230 U	**0.86 J**	98 U	**3.7 J**	**1.3 J**	770 U	1.8 U
Endosulfan I	410000	3800	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
Endosulfan II	NC	NC	NC	770 U	460 U	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
Endosulfan Sulfate	NC	NC	NC	770 U	460 U	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
Endrin	21000	1000	NC	770 U	460 UJ	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
Endrin Aldehyde	NC	NC	NC	770 U	460 U	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
Endrin Ketone	NC	NC	NC	770 U	460 U	3.7 U	200 U	3.7 U	3.7 U	1500 U	3.5 U
gamma-BHC (Lindane)	700	9	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
gamma-Chlordane[4]	3100	9600	NC	**3640**	2430	3.7 U	**1060**	3.7 U	3.7 U	**3390**	3.5 U
Heptachlor	200	23000	NC	380 U	230 U	1.9 U	98 U	1.9 U	1.9 U	770 U	1.8 U
Heptachlor Epoxide	100	600	NC	**1070**	230 U	1.9 U	**85.2 J**	1.9 U	1.9 U	770 U	1.8 U
Methoxychlor	370000	160000	NC	1500 U	910 UJ	75 U	390 U	75 U	74 U	3100 U	7.1 U
Toxaphene	1000	31000	NC	38000 U	23000 U	190 U	9800 U	190 U	190 U	77000 U	180 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5.5**	NA	**2.4**	**4.1**	**2**	**1.4**	**15.7**	0.34 U

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-G16	SS-202R*	SS-G17	SS-206R*	SS-G18	SS-T01B	SS-T01R	SS-T01W
Pesticides (µg/kg)											
4,4'-DDD	4600	4000	NC	1900 U	460 U	1900 U	980 U	2000 U	320 U	39 U	7.8 U
4,4'-DDE	3300	18000	NC	**436 J**	460 U	**715 J**	980 U	**858 J**	320 U	39 U	**19.6**
4,4'-DDT	3300	11000	NC	1900 U	460 U	1900 U	980 UJ	2000 U	320 U	39 U	**4.7 J**
Aldrin	70	500	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
alpha-BHC	200	0.3	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
alpha-Chlordane[4]	3100	9600	NC	**5540**	2640	**9050**	**3760**	**13100**	**1100**	**22.1 J**	**35.8**
beta-BHC	600	1	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
Chlordane	3100	9600	NC	**45500**	**15200**	**77200**	**21400**	**102000**	**7680**	**246**	**229**
delta-BHC	22000	200	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
Dieldrin	70	4	NC	**267 J**	230 U	**438 J**	**182 J**	**456 J**	**1510**	**255**	**54**
Endosulfan I	410000	3800	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
Endosulfan II	NC	NC	NC	1900 U	460 U	1900 U	980 U	2000 U	320 U	39 U	7.8 U
Endosulfan Sulfate	NC	NC	NC	1900 U	460 U	1900 U	980 U	2000 U	320 U	39 U	7.8 U
Endrin	21000	1000	NC	1900 U	460 UJ	1900 U	980 UJ	2000 U	320 U	39 U	7.8 U
Endrin Aldehyde	NC	NC	NC	1900 U	460 U	1900 U	980 U	2000 U	320 U	39 U	7.8 U
Endrin Ketone	NC	NC	NC	1900 U	460 U	1900 U	980 U	2000 U	320 U	39 U	7.8 U
gamma-BHC (Lindane)	700	9	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
gamma-Chlordane[4]	3100	9600	NC	**5570**	2640	**9770**	**3730**	**14100**	**928**	**14.8 J**	**23.4**
Heptachlor	200	23000	NC	930 U	230 U	950 U	490 U	980 U	160 U	20 U	3.9 U
Heptachlor Epoxide	100	600	NC	**435 J**	230 U	**710 J**	**248 J**	**534 J**	**78.2 J**	20 U	**9.3**
Methoxychlor	370000	160000	NC	3700 U	930 UJ	3800 U	2000 UJ	3900 U	640 U	79 U	16 U
Toxaphene	1000	31000	NC	93000 U	23000 U	95000 U	49000 U	98000 U	16000 U	2000 U	390 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**6.2**	NA	**14**	NA	**17.7**	**12.9**	**3.3**	**3.5**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T02B	SS-T02R	SS-T02W	SS-T03B	SS-T03R	SS-T03W	SS-T04B	SS-T04R
Pesticides (µg/kg)											
4,4'-DDD	4600	4000	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
4,4'-DDE	3300	18000	NC	**3.1 J**	3.8 U	**155 J**	3.8 U	4 U	74 U	**15.8 J**	**23.1 J**
4,4'-DDT	3300	11000	NC	3.8 U	3.8 U	**76.6 J**	15 U	16 U	74 U	18 U	92 U
Aldrin	70	500	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
alpha-BHC	200	0.3	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
alpha-Chlordane[4]	3100	9600	NC	3.8 U	**6.3**	**1310**	3.8 U	4 U	**43.2 J**	**32.7**	**95.1**
beta-BHC	600	1	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
Chlordane	3100	9600	NC	**55.1 J**	19 U	**7980**	19 U	20 U	**386**	**246**	**676**
delta-BHC	22000	200	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
Dieldrin	70	4	NC	**5.4**	**18.8**	**510**	1.9 U	**0.99 J**	**272**	**97**	**433**
Endosulfan I	410000	3800	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
Endosulfan II	NC	NC	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
Endosulfan Sulfate	NC	NC	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
Endrin	21000	1000	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
Endrin Aldehyde	NC	NC	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
Endrin Ketone	NC	NC	NC	3.8 U	3.8 U	180 U	3.8 U	4 U	74 U	18 U	92 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
gamma-Chlordane[4]	3100	9600	NC	3.8 U	**1.9 J**	**986**	3.8 U	4 U	**30.5 J**	**21.1**	**74.2 J**
Heptachlor	200	23000	NC	1.9 U	1.9 U	92 U	1.9 U	2 U	37 U	9.2 U	46 U
Heptachlor Epoxide	100	600	NC	1.9 U	1.9 U	**79.5 J**	1.9 U	2 U	37 U	**3.9 J**	46 U
Methoxychlor	370000	160000	NC	7.6 U	7.7 U	370 U	31 U	32 U	150 U	37 U	180 U
Toxaphene	1000	31000	NC	190 U	190 U	9200 U	190 U	200 U	3700 U	920 U	4600 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**4.5**	**6.9**	**1.9**	**2**	**0.67**	**5.7**	**4.8**	**4.8**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T04W	SS-T05B	SS-T05R	SS-T05W Sample	SS-T05W Duplicate	SS-T06B	SS-T06R	SS-208R*
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 U
4,4'-DDE	3300	18000	NC	3.7 U	180 U	**1.7 J**	380 U	1900 U	**418 J**	1900 U	430 U
4,4'-DDT	3300	11000	NC	15 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 UJ
Aldrin	70	500	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
alpha-BHC	200	0.3	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	**142 J**	**14 J**	**188 J**	**753 J**	**5870**	**525 J**	176 J
beta-BHC	600	1	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
Chlordane	3100	9600	NC	18 U	**1080**	**127**	**1540 J**	9600 U	**53400**	9500 U	2200 U
delta-BHC	22000	200	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
Dieldrin	70	4	NC	**2.4**	**770**	**49.9**	**2090 J**	**7550 J**	**282 J**	**7640**	**1890**
Endosulfan I	410000	3800	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
Endosulfan II	NC	NC	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 U
Endrin	21000	1000	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 UJ
Endrin Aldehyde	NC	NC	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 U
Endrin Ketone	NC	NC	NC	3.7 U	180 U	15 U	380 U	1900 U	960 U	1900 U	430 U
gamma-BHC (Lindane)	700	9	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	**118 J**	**9.2 J**	**168 J**	**657 J**	**6030**	**433 J**	116 J
Heptachlor	200	23000	NC	1.8 U	92 U	7.4 U	190 U	960 U	480 U	950 U	220 U
Heptachlor Epoxide	100	600	NC	1.8 U	**47.2 J**	7.4 U	190 U	960 U	**231 J**	950 U	220 U
Methoxychlor	370000	160000	NC	30 U	370 U	30 U	760 U	3900 U	1900 U	3800 U	870 UJ
Toxaphene	1000	31000	NC	180 U	9200 U	740 U	19000 U	96000 U	48000 U	95000 U	22000 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5.6**	**1.8**	**3.6**	**12.3**	**11.4**	**14.2**	**3.4**	NA

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T06W	SS-T07B	SS-207R*	SS-T07R		SS-T08B	SS-T08R	SS-T09B
							Sample	Duplicate			
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	15 U	780 U	120 U	75 U	3.7 U	360 U	3.7 U	190 U
4,4'-DDE	3300	18000	NC	**11.5 J**	**269 J**	120 U	**12.2 J**	**1.5 J**	**145 J**	3.7 U	**210**
4,4'-DDT	3300	11000	NC	15 U	780 U	279 UJ	75 U	37 U	360 U	3.7 U	**87.6 J**
Aldrin	70	500	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
alpha-BHC	200	0.3	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
alpha-Chlordane[4]	3100	9600	NC	**93.2**	**1660**	94.4 J	**29.2 J**	3.7 U	**415**	3.7 U	**50.8 J**
beta-BHC	600	1	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
Chlordane	3100	9600	NC	**869 J**	**12600**	856 J	**470 J**	18 UJ	**3470**	19 U	**613 J**
delta-BHC	22000	200	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
Dieldrin	70	4	NC	**24.9**	**3820**	**125**	**281 J**	1.8 UJ	**2310**	**5.8**	**707**
Endosulfan I	410000	3800	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
Endosulfan II	NC	NC	NC	15 U	780 U	120 U	75 U	3.7 U	360 U	3.7 U	190 U
Endosulfan Sulfate	NC	NC	NC	15 U	780 U	120 U	75 U	3.7 U	360 U	3.7 U	190 U
Endrin	21000	1000	NC	15 U	780 U	120 UJ	75 U	3.7 U	360 U	3.7 U	190 U
Endrin Aldehyde	NC	NC	NC	15 U	780 U	120 U	75 U	3.7 U	360 U	3.7 U	190 U
Endrin Ketone	NC	NC	NC	15 U	780 U	120 U	75 U	3.7 U	360 U	3.7 U	190 U
gamma-BHC (Lindane)	700	9	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
gamma-Chlordane[4]	3100	9600	NC	**77.3**	**1550**	114 J	**37.5 J**	3.7 U	**442**	3.7 U	**45.6 J**
Heptachlor	200	23000	NC	7.4 U	390 U	58 U	37 U	1.8 U	180 U	1.9 U	93 U
Heptachlor Epoxide	100	600	NC	**6.4 J**	390 U	58 U	37 U	1.8 U	180 U	1.9 U	**19.1 J**
Methoxychlor	370000	160000	NC	30 U	1600 U	230 UJ	150 U	73 U	720 U	7.5 U	370 U
Toxaphene	1000	31000	NC	740 U	39000 U	5800 U	3700 U	180 U	18000 U	190 U	9300 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**7.8**	**17**	NA	**5.2 J**	**0.42 J**	**7 J**	**8 J**	**1.9 J**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T09R	SS-T09W	SS-T10B	SS-T10R	SS-T10W	SS-T11B	SS-T11R	SS-T11W
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
4,4'-DDE	3300	18000	NC	3.7 U	36 U	**104 J**	140 U	14 U	36 U	37 U	**14 J**
4,4'-DDT	3300	11000	NC	37 U	36 U	**140 J**	140 U	14 U	36 U	37 U	18 U
Aldrin	70	500	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
alpha-BHC	200	0.3	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
alpha-Chlordane[4]	3100	9600	NC	3.7 U	36 U	**408**	**76.1 J**	**34.1**	**23.5 J**	**10 J**	**38.4**
beta-BHC	600	1	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
Chlordane	3100	9600	NC	19 U	180 U	**3130**	**492 J**	**215**	**206**	180 U	**344**
delta-BHC	22000	200	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
Dieldrin	70	4	NC	**2.1**	18 U	**843**	**563**	**69.8**	**146**	**150**	**84.1**
Endosulfan I	410000	3800	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
Endosulfan II	NC	NC	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
Endosulfan Sulfate	NC	NC	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
Endrin	21000	1000	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
Endrin Aldehyde	NC	NC	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
Endrin Ketone	NC	NC	NC	3.7 U	36 U	210 U	140 U	14 U	36 U	37 U	18 U
gamma-BHC (Lindane)	700	9	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
gamma-Chlordane[4]	3100	9600	NC	3.7 U	36 U	**330**	**62 J**	**21**	**19.7 J**	**8 J**	**28.5**
Heptachlor	200	23000	NC	1.9 U	18 U	100 U	72 U	7.2 U	18 U	18 U	9.2 U
Heptachlor Epoxide	100	600	NC	1.9 U	18 U	**131**	**20.3 J**	**7.2**	**12.5 J**	**8.5 J**	**49**
Methoxychlor	370000	160000	NC	74 U	72 U	410 U	290 U	29 U	72 U	73 U	37 U
Toxaphene	1000	31000	NC	190 U	1800 U	10000 U	7200 U	720 U	1800 U	1800 U	920 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**1 J**	**11.6 J**	**3.8**	**1.7**	**2.7**	**2.7**	0.38 U	**3.1**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51					
	Residential Direct Exposure	Leachability to Groundwater		SS-T12B	SS-T12R	SS-T12W	SS-T13B	SS-T13R	
								Sample	Duplicate
Pesticides (mg/kg)									
4,4'-DDD	4600	4000	NC	29 U	29 U	77 U	180 U	31 U	30 U
4,4'-DDE	3300	18000	NC	**91.4**	29 U	**62.5 J**	**96.5 J**	31 U	30 U
4,4'-DDT	3300	11000	NC	**64.3**	29 U	77 U	180 U	31 U	30 U
Aldrin	70	500	NC	15 U	15 U	38 U	92 U	15 U	15 U
alpha-BHC	200	0.3	NC	15 U	15 U	38 U	92 U	15 U	15 U
alpha-Chlordane[4]	3100	9600	NC	**11.5 J**	**14.7 J**	**108**	**303**	**23.9 J**	**13.1 J**
beta-BHC	600	1	NC	15 U	15 U	38 U	92 U	15 U	15 U
Chlordane	3100	9600	NC	**126 J**	**194**	**765**	**3070 J**	**353**	**125 J**
delta-BHC	22000	200	NC	15 U	15 U	38 U	92 U	15 U	15 U
Dieldrin	70	4	NC	**95.6**	**130**	**552**	**825**	**122**	**111**
Endosulfan I	410000	3800	NC	15 U	15 U	38 U	92 U	15 U	15 U
Endosulfan II	NC	NC	NC	29 U	29 U	77 U	180 U	31 U	30 U
Endosulfan Sulfate	NC	NC	NC	29 U	29 U	77 U	180 U	31 U	30 U
Endrin	21000	1000	NC	29 U	29 U	77 U	180 U	31 U	30 U
Endrin Aldehyde	NC	NC	NC	29 U	29 U	77 U	180 U	31 U	30 U
Endrin Ketone	NC	NC	NC	29 U	29 U	77 U	180 U	31 U	30 U
gamma-BHC (Lindane)	700	9	NC	15 U	15 U	38 U	92 U	15 U	15 U
gamma-Chlordane[4]	3100	9600	NC	**9.6 J**	**9 J**	**128**	**292**	**12.6 J**	**6.5 J**
Heptachlor	200	23000	NC	15 U	15 U	38 U	92 U	15 U	15 U
Heptachlor Epoxide	100	600	NC	15 U	15 U	38 U	92 U	15 U	15 U
Methoxychlor	370000	160000	NC	59 U	58 U	150 U	370 U	61 U	59 U
Toxaphene	1000	31000	NC	1500 U	1500 U	3800 U	**10300 J**	1500 U	1500 U
Inorganics (mg/kg)									
Arsenic	0.8	29	2.04	**1.3**	**3.4**	**9.8**	**12.2**	**3.6**	NA

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T14B	SS-T14R	SS-T14W	SS-T15B	SS-T15R	SS-T15W	SS-T16B	
										Sample	Duplicate
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
4,4'-DDE	3300	18000	NC	370 U	3.6 U	38 U	19 U	**7.6 J**	3.6 U	300 U	150 U
4,4'-DDT	3300	11000	NC	370 U	3.6 U	38 U	19 U	29 U	36 U	300 U	150 U
Aldrin	70	500	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
alpha-BHC	200	0.3	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
alpha-Chlordane[4]	3100	9600	NC	**155 J**	3.6 U	38 U	**47.9**	**50.4**	**11**	**296 J**	**160**
beta-BHC	600	1	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
Chlordane	3100	9600	NC	1800 U	18 U	190 U	**488**	**467**	**109**	**2400**	**1420**
delta-BHC	22000	200	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
Dieldrin	70	4	NC	**2320**	1.8 U	19 U	**100**	**120**	**13.7**	**1240**	**766**
Endosulfan I	410000	3800	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
Endosulfan II	NC	NC	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
Endosulfan Sulfate	NC	NC	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
Endrin	21000	1000	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
Endrin Aldehyde	NC	NC	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
Endrin Ketone	NC	NC	NC	370 U	3.6 U	38 U	19 U	29 U	3.6 U	300 U	150 U
gamma-BHC (Lindane)	700	9	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
gamma-Chlordane[4]	3100	9600	NC	**132 J**	3.6 U	38 U	**35.5**	**47.2**	**7.4**	**266 J**	**138 J**
Heptachlor	200	23000	NC	180 U	1.8 U	19 U	9.4 U	14 U	1.8 U	150 U	74 U
Heptachlor Epoxide	100	600	NC	180 U	1.8 U	19 U	9.4 U	14 U	**1.4 J**	150 U	74 U
Methoxychlor	370000	160000	NC	730 U	7.3 U	77 U	38 U	57 U	72 U	600 U	300 U
Toxaphene	1000	31000	NC	18000 U	180 U	1900 U	940 U	1400 U	180 U	15000 U	7400 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	**5.2**	**2.5**	**1**	**6**	**3.2**	**10**	**3.5**	**2.9**

TABLE 5-2

PESTICIDE AND ARSENIC SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater		SS-T16R	SS-T16W	SS-T17B	SS-T17R	SS-T18B	SS-T18R		SS-T18W
									Sample	Duplicate	
Pesticides (mg/kg)											
4,4'-DDD	4600	4000	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
4,4'-DDE	3300	18000	NC	4 U	**2.7 J**	**23.2 J**	190 U	3.8 U	18 U	NA	7.2 U
4,4'-DDT	3300	11000	NC	4 U	**3.1 J**	38 U	190 U	3.8 U	18 U	NA	7.2 U
Aldrin	70	500	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
alpha-BHC	200	0.3	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
alpha-Chlordane[4]	3100	9600	NC	**3.1 J**	3.6 U	**203**	190 U	3.8 U	**10.2 J**	NA	7.2 U
beta-BHC	600	1	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
Chlordane	3100	9600	NC	**26.8**	18 U	**1720 J**	940 U	19 U	92 U	NA	36 U
delta-BHC	22000	200	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
Dieldrin	70	4	NC	**2.4**	**4.2**	**78.7**	**926**	1.9 U	**99.1**	NA	**52.6**
Endosulfan I	410000	3800	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
Endosulfan II	NC	NC	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
Endosulfan Sulfate	NC	NC	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
Endrin	21000	1000	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
Endrin Aldehyde	NC	NC	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
Endrin Ketone	NC	NC	NC	4 U	3.6 U	38 U	190 U	3.8 U	18 U	NA	7.2 U
gamma-BHC (Lindane)	700	9	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
gamma-Chlordane[4]	3100	9600	NC	**2.9 J**	3.6 U	**162**	190 U	3.8 U	**5.6 J**	NA	7.2 U
Heptachlor	200	23000	NC	2 U	1.8 U	19 U	94 U	1.9 U	9.2 U	NA	3.6 U
Heptachlor Epoxide	100	600	NC	2 U	1.8 U	**10 J**	94 U	1.9 U	9.2 U	NA	3.6 U
Methoxychlor	370000	160000	NC	8 U	7.2 U	75 U	380 U	7.6 U	37 U	NA	14 U
Toxaphene	1000	31000	NC	200 U	180 U	**3360 J**	9400 U	190 U	920 U	NA	360 U
Inorganics (mg/kg)											
Arsenic	0.8	29	2.04	0.43 U	**1.7**	**3.2**	**5.2**	**4**	**5.5**	**7.2**	**1.9**

1 FDEP Soil Target Cleanup Level, FAC 62-777 (FDEP, 1999).
2 NAS Cecil Field site-specific Inorganic Background Data Set (HLA, 1998).
3 Sample collected as part of Site 21 investigation (HLA, 1999).
4 Criterion is for total chlordane.
Bolded values exceed detection limits.
Shaded values exceed criteria.

NA = Not analyzed.
NC = No criterion.
U - Not detected at or above detection limit (associated value).
J - Estimated concentration.
R = Rejected result.

* Samples CEF-P51-SS-201R through SS-209R were collected at previous sample locations. SS-201R through 208R were analyzed for pesticides, SS-201R was also analyzed for arsenic, and SS-209R was analyzed for herbicides.

TABLE 5-3

ORGANOPHOSPHORUS PESTICIDE AND HERBICIDE SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		CEF-P21					CEF-P51	
	Residential Direct Exposure	Leachability to Groundwater	SS-009	SS-013		SS-014	SS-015	SS-001	SS-002
				Sample	Duplicate				
Organophosphorus Pesticides (µg/kg)									
Azinphos Methyl	110000	200	1700 U	1300 U	1300 U	1500 U	1500 U	470 U	470 U
Bolstar	NC	NC	360 U	290 U	290 U	330 U	320 U	100 U	100 U
Chlorpyrifos	220000	15000	390 U	310 U	310 U	360 U	350 U	110 U	110 U
Coumaphos	18000	300	2000 U	1600 U	1600 U	1800 U	1800 U	560 U	550 U
Demeton	NC	NC	370 U	300 U	300 U	340 U	330 U	100 U	100 U
Diazinon	55000	20	750 U	600 U	600 U	680 U	660 U	210 UJ	210 UJ
Dichlorvos	200	0.5	330 U	270 UJ	270 UJ	300 UJ	300 UJ	94 U	94 U
Dimethoate	8400	0.4	150 U	120 U	120 U	140 U	130 U	42 UJ	42 UJ
Disulfoton	2900	100	470 U	380 U	380 U	430 U	420 U	130 UJ	130 UJ
EPN	700	40	170 U	140 U	140 U	160 U	150 U	49 U	40 U
Ethoprop	5500	5	670 U	540 U	540 U	610 U	600 U	190 U	190 U
Ethyl Parathion	450000	10000	180 U	140 U	140 U	160 U	160 U	50 U	50 U
Fensulfothion	14000	10	1500 U	1200 U	1200 U	1400 U	1400 U	430 U	430 U
Fenthion	NC	NC	270 U	220 U	220 U	250 U	240 U	77 U	76 U
Malathion	1300000	4200	310 U	250 U	250 U	290 U	280 U	89 U	88 U
Merphos	2200	500	590 U	470 U	470 U	540 U	520 U	170 U	170 U
Methly Parathion	18000	60	71 U	57 U	57 U	64 U	63 U	20 UJ	20 UJ
Mevinphos	16000	10	590 U	470 U	470 U	540 U	520 U	170 UJ	170 UJ
Naled	130000	100	1200 U	950 U	950 U	1100 U	1000 U	330 UJ	330 UJ
Phorate	14000	300	430 U	350 U	350 U	390 U	380 U	120 U	120 U
Ronnel	3600000	1300000	430 U	350 U	350 U	390 U	380 U	120 UJ	120 UJ
Stirofos	NC	NC	2200 U	1800 U	1800 U	2000 U	2000 U	630 UJ	630 UJ
Sulfotepp	31000	100	290 U	230 U	230 U	260 U	260 U	81 UJ	81 UJ
TEPP	NC	NC	2000 U	1600 U	1600 U	1800 U	1800 U	560 UJ	550 UJ
Tokuthion	NC	NC	630 U	500 U	500 U	570 U	560 U	180 U	180 U
Trichloronate	NC	NC	370 U	300 U	300 U	340 U	330 U	100 U	100 U
Herbicides (µg/kg)									
2,4,5-T	590000	400	13 U	12 U	12 U	13 U	12 U	11 UJ	11 UJ
2,4,5-TP (SILVEX)	590000	5400	13 U	12 U	12 U	13 U	12 U	11 UJ	11 UJ
2,4-D	670000	700	93 U	84 U	84 U	91 U	83 U	78 UJ	77 UJ
2,4-DB	NC	NC	130 U	120 U	120 U	130 U	120 U	110 UJ	110 UJ
4-Nitrophenol	390000	300	270 U	240 U	240 U	260 U	240 U	220 UJ	220 UJ
Dalapon	NC	NC	270 U	240 U	240 U	260 U	240 U	220 UJ	220 UJ
Dicamba	1800000	2600	27 U	24 U	24 U	26 U	24 U	22 UJ	22 UJ
Dichloroprop	270000	300	67 U	60 U	60 U	65 U	60 U	55 UJ	55 UJ
Dinoseb	55000	30	27 U	24 U	24 U	26 U	24 U	22 UJ	22 UJ
MCPA	30000	20	5300 U	4800 U	4800 U	5200 U	4800 U	4400 UJ	4400 UJ
MCPP	NC	NC	6700 U	6000 U	6000 U	6500 U	6000 U	5500 UJ	5500 UJ
Pentachlorophenol	7700	30	13 U	12 U	12 U	13 U	12 U	11 UJ	11 UJ

TABLE 5-3

ORGANOPHOSPHORUS PESTICIDE AND HERBICIDE SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		CEF-P51				
	Residential Direct Exposure	Leachability to Groundwater	SS-003	SS-004	SS-005	SS-006	SS-007
Organophosphorus Pesticides (µg/kg)							
Azinphos Methyl	110000	200	510 U	460 U	460 U	480 U	530 U
Bolstar	NC	NC	110 U	100 U	100 U	100 U	110 U
Chlorpyrifos	220000	15000	120 U	110 U	110 U	110 U	120 U
Coumaphos	18000	300	600 U	550 U	540 U	560 U	620 U
Demeton	NC	NC	110 U	100 U	100 U	110 U	120 U
Diazinon	55000	20	230 UJ	210 UJ	200 UJ	210 UJ	240 UJ
Dichlorvos	200	0.5	100 U	93 U	92 U	96 U	100 U
Dimethoate	8400	0.4	46 UJ	42 UJ	41 UJ	43 UJ	47 UJ
Disulfoton	2900	100	140 UJ	130 UJ	130 UJ	130 UJ	150 UJ
EPN	700	40	53 U	48 U	480 U	49 U	55 U
Ethoprop	5500	5	220 U	190 U	180 U	190 U	210 U
Ethyl Parathion	450000	10000	54 U	49 U	49 U	50 U	56 U
Fensulfothion	14000	10	470 U	430 U	420 U	440 U	480 U
Fenthion	NC	NC	83 U	76 U	75 U	78 U	86 U
Malathion	1300000	4200	96 U	88 U	87 U	90 U	99 U
Merphos	2200	500	180 U	160 U	160 U	170 U	190 U
Methly Parathion	18000	60	22 UJ	20 UJ	20 UJ	20 UJ	22 UJ
Mevinphos	16000	10	180 UJ	160 UJ	160 UJ	170 UJ	190 UJ
Naled	130000	100	360 UJ	330 UJ	320 UJ	340 UJ	370 UJ
Phorate	14000	300	130 U	120 U	120 U	120 U	140 U
Ronnel	3600000	1300000	130 UJ	120 UJ	120 UJ	120 UJ	140 UJ
Stirofos	NC	NC	680 UJ	620 UJ	620 UJ	640 UJ	710 UJ
Sulfotepp	31000	100	88 UJ	80 UJ	79 UJ	82 UJ	91 UJ
TEPP	NC	NC	600 UJ	550 UJ	540 UJ	560 UJ	620 UJ
Tokuthion	NC	NC	190 U	180 U	170 U	180 U	200 U
Trichloronate	NC	NC	110 U	100 U	100 U	110 U	120 U
Herbicides (µg/kg)							
2,4,5-T	590000	400	12 UJ	11 UJ	11 UJ	11 UJ	12 UJ
2,4,5-TP (SILVEX)	590000	5400	12 UJ	11 UJ	11 UJ	11 UJ	12 UJ
2,4-D	670000	700	82 UJ	77 UJ	76 UJ	77 UJ	87 UJ
2,4-DB	NC	NC	120 UJ	110 UJ	110 UJ	110 UJ	120 UJ
4-Nitrophenol	390000	300	240 UJ	220 UJ	220 UJ	220 UJ	250 UJ
Dalapon	NC	NC	240 UJ	220 UJ	220 UJ	220 UJ	250 UJ
Dicamba	1800000	2600	24 UJ	22 UJ	22 UJ	22 UJ	25 UJ
Dichloroprop	270000	300	59 UJ	55 UJ	54 UJ	55 UJ	62 UJ
Dinoseb	55000	30	24 UJ	22 UJ	22 UJ	22 UJ	25 UJ
MCPA	30000	20	4700 UJ	4400 UJ	4300 UJ	4400 UJ	4900 UJ
MCPP	NC	NC	5900 UJ	5500 UJ	5500 UJ	5500 UJ	6200 UJ
Pentachlorophenol	7700	30	12 UJ	11 UJ	11 UJ	11 UJ	12 UJ

TABLE 5-3

ORGANOPHOSPHORUS PESTICIDE AND HERBICIDE SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		CEF-P51							
	Residential Direct Exposure	Leachability to Groundwater	SS-008		SS-009	SS-010	SS-011	SS-012	SS-013	SS-014
			Sample	Duplicate						
Organophosphorus Pesticides (µg/kg)										
Azinphos Methyl	110000	200	480 U	NA	460 U	480 U	NA	NA	NA	NA
Bolstar	NC	NC	100 U	NA	100 U	100 U	NA	NA	NA	NA
Chlorpyrifos	220000	15000	110 U	NA	110 U	110 U	NA	NA	NA	NA
Coumaphos	18000	300	560 U	NA	550 U	570 U	NA	NA	NA	NA
Demeton	NC	NC	110 U	NA	100 U	110 U	NA	NA	NA	NA
Diazinon	55000	20	210 UJ	NA	210 U	220 U	NA	NA	NA	NA
Dichlorvos	200	0.5	96 U	NA	93 U	96 U	NA	NA	NA	NA
Dimethoate	8400	0.4	43 UJ	NA	42 UJ	43 UJ	NA	NA	NA	NA
Disulfoton	2900	100	130 UJ	NA	130 UJ	140 UJ	NA	NA	NA	NA
EPN	700	40	49 U	NA	48 U	50 U	NA	NA	NA	NA
Ethoprop	5500	5	190 U	NA	190 U	190 U	NA	NA	NA	NA
Ethyl Parathion	450000	10000	50 U	NA	49 U	51 U	NA	NA	NA	NA
Fensulfothion	14000	10	440 U	NA	430 U	440 U	NA	NA	NA	NA
Fenthion	NC	NC	78 U	NA	76 U	78 U	NA	NA	NA	NA
Malathion	1300000	4200	90 U	NA	88 U	91 U	NA	NA	NA	NA
Merphos	2200	500	170 U	NA	160 U	170 U	NA	NA	NA	NA
Methly Parathion	18000	60	20 UJ	NA	20 UJ	20 UJ	NA	NA	NA	NA
Mevinphos	16000	10	170 UJ	NA	160 UJ	170 UJ	NA	NA	NA	NA
Naled	130000	100	340 UJ	NA	330 UJ	340 UJ	NA	NA	NA	NA
Phorate	14000	300	120 U	NA	120 U	120 U	NA	NA	NA	NA
Ronnel	3600000	1300000	120 UJ	NA	120 UJ	120 UJ	NA	NA	NA	NA
Stirofos	NC	NC	640 UJ	NA	620 UJ	650 UJ	NA	NA	NA	NA
Sulfotepp	31000	100	82 UJ	NA	80 UJ	83 UJ	NA	NA	NA	NA
TEPP	NC	NC	560 UJ	NA	550 UJ	570 UJ	NA	NA	NA	NA
Tokuthion	NC	NC	180 U	NA	180 U	180 U	NA	NA	NA	NA
Trichloronate	NC	NC	110 U	NA	100 U	110 U	NA	NA	NA	NA
Herbicides (µg/kg)										
2,4,5-T	590000	400	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	12 UJ	12 UJ	12 UJ
2,4,5-TP (SILVEX)	590000	5400	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	12 UJ	12 UJ	12 UJ
2,4-D	670000	700	78 UJ	76 UJ	77 UJ	80 UJ	79 UJ	82 UJ	80 UJ	88 UJ
2,4-DB	NC	NC	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ	120 UJ	120 UJ	120 UJ
4-Nitrophenol	390000	300	220 UJ	220 UJ	220 UJ	230 UJ	230 UJ	240 UJ	230 UJ	250 UJ
Dalapon	NC	NC	220 UJ	220 UJ	220 UJ	230 UJ	230 UJ	240 UJ	230 UJ	250 UJ
Dicamba	1800000	2600	22 UJ	22 UJ	22 UJ	23 UJ	23 UJ	24 UJ	23 UJ	25 UJ
Dichloroprop	270000	300	55 UJ	54 UJ	55 UJ	57 UJ	57 UJ	59 UJ	57 UJ	63 UJ
Dinoseb	55000	30	22 UJ	22 UJ	22 UJ	23 UJ	23 UJ	24 UJ	23 UJ	25 UJ
MCPA	30000	20	4500 UJ	4300 UJ	4400 UJ	4500 UJ	4500 UJ	4700 UJ	4600 UJ	5000 UJ
MCPP	NC	NC	5600 UJ	5400 UJ	5400 UJ	5700 UJ	5700 UJ	5800 UJ	5700 UJ	6300 UJ
Pentachlorophenol	7700	30	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	12 UJ	12 UJ	13 UJ

TABLE 5-3

ORGANOPHOSPHORUS PESTICIDE AND HERBICIDE SOIL ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		CEF-P51				
	Residential Direct Exposure	Leachability to Groundwater	SS-015	SS-016 Sample	SS-016 Duplicate	SS-209R	SS-017
Organophosphorus Pesticides (µg/kg)							
Azinphos Methyl	110000	200	NA	NA	NA	NA	NA
Bolstar	NC	NC	NA	NA	NA	NA	NA
Chlorpyrifos	220000	15000	NA	NA	NA	NA	NA
Coumaphos	18000	300	NA	NA	NA	NA	NA
Demeton	NC	NC	NA	NA	NA	NA	NA
Diazinon	55000	20	NA	NA	NA	NA	NA
Dichlorvos	200	0.5	NA	NA	NA	NA	NA
Dimethoate	8400	0.4	NA	NA	NA	NA	NA
Disulfoton	2900	100	NA	NA	NA	NA	NA
EPN	700	40	NA	NA	NA	NA	NA
Ethoprop	5500	5	NA	NA	NA	NA	NA
Ethyl Parathion	450000	10000	NA	NA	NA	NA	NA
Fensulfothion	14000	10	NA	NA	NA	NA	NA
Fenthion	NC	NC	NA	NA	NA	NA	NA
Malathion	1300000	4200	NA	NA	NA	NA	NA
Merphos	2200	500	NA	NA	NA	NA	NA
Methly Parathion	18000	60	NA	NA	NA	NA	NA
Mevinphos	16000	10	NA	NA	NA	NA	NA
Naled	130000	100	NA	NA	NA	NA	NA
Phorate	14000	300	NA	NA	NA	NA	NA
Ronnel	3600000	1300000	NA	NA	NA	NA	NA
Stirofos	NC	NC	NA	NA	NA	NA	NA
Sulfotepp	31000	100	NA	NA	NA	NA	NA
TEPP	NC	NC	NA	NA	NA	NA	NA
Tokuthion	NC	NC	NA	NA	NA	NA	NA
Trichloronate	NC	NC	NA	NA	NA	NA	NA
Herbicides (µg/kg)							
2,4,5-T	590000	400	11 UJ	12 UJ	13 UJ	4.7 U	12 UJ
2,4,5-TP (SILVEX)	590000	5400	11 UJ	12 UJ	13 UJ	4.7 U	12 UJ
2,4-D	670000	700	76 UJ	87 UJ	91 UJ	24 U	87 UJ
2,4-DB	NC	NC	110 UJ	120 UJ	130 UJ	24 U	120 UJ
4-Nitrophenol	390000	300	220 UJ	250 UJ	260 UJ	NA	250 UJ
Dalapon	NC	NC	220 UJ	250 UJ	260 UJ	4.7 U	250 UJ
Dicamba	1800000	2600	22 UJ	25 UJ	26 UJ	24 U	25 UJ
Dichloroprop	270000	300	54 UJ	62 UJ	65 UJ	24 U	62 UJ
Dinoseb	55000	30	22 UJ	25 UJ	26 UJ	24 U	25 UJ
MCPA	30000	20	4300 UJ	5000 UJ	5200 UJ	2400 U	5000 UJ
MCPP	NC	NC	5400 UJ	6200 UJ	6500 UJ	2400 U	6200 UJ
Pentachlorophenol	7700	30	11 UJ	**20 J**	**47 J**	2.4 U	12 UJ

1 FDEP Soil Target Cleanup Level, FAC 62-777 (FDEP, 1999).
2 NAS Cecil Field Inorganic Background Data Set (HLA, 1998).
Bolded values exceed detection limits.
Shaded values exceed criteria.

NA = Not analyzed.
NC = No criterion.

TABLE 5-4

SYNTHETIC PRECIPITATION LEACHING PROCEDURE ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP GCTL[1]	CEF-P51		
		SS-201R (SS-014*)	SS-204R (SS-G10B)	SS-208R (SS-T06B)
Pesticides (μg/L)				
4,4'-DDD	0.1	NA	1 U	1 U
4,4'-DDE	0.1	NA	1 U	1 U
4,4'-DDT	0.1	NA	1 U	1 U
Aldrin	0.005	NA	0.5 U	0.5 U
alpha-BHC	0.006	NA	0.5 U	0.5 U
alpha-Chlordane[2]	2	NA	**1.7**	1 U
beta-BHC	0.02	NA	0.5 U	0.5 U
Chlordane	2	NA	**13.8**	5 U
delta-BHC	2.1	NA	0.5 U	0.5 U
Dieldrin	0.005	NA	**0.26 J**	**2.5**
Endosulfan I	42	NA	0.5 U	0.5 U
Endosulfan II	NC	NA	1 U	1 U
Endosulfan Sulfate	NC	NA	1 U	1 U
Endrin	2	NA	1 U	1 U
Endrin Aldehyde	NC	NA	1 U	1 U
Endrin Ketone	NC	NA	1 U	1 U
gamma-BHC (Lindane)	0.2	NA	0.5 U	0.5 U
gamma-Chlordane[2]	2	NA	**1.5**	1 U
Heptachlor	0.4	NA	0.5 U	0.5 U
Heptachlor Epoxide	0.2	NA	**0.85**	0.5 U
Methoxychlor	40	NA	2 U	2 U
Toxaphene	3	NA	50 U	50 U
Inorganics (μg/L)				
Arsenic	50	**52**	NA	NA

Notes
1 FDEP Groundwater Cleanup Target Level, FAC 62-777 (FDEP, 1999).
2 Criterion is for total chlordane.
* Located on 8th Green.
NA = Not analyzed.
NC = No criterion.
Bolded values exceed detection limits.
Shaded values exceed criteria.
U = Not detected at or above detection limit (associated value).
J = Estimated concentration.

TABLE 5-5

SEDIMENT ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51					
	Residential Direct Exposure	Leachability to Groundwater		SD-001	SD-002	SD-003	SD-004	SD-005	SD-006
Pesticides (µg/kg)									
4,4'-DDD	4600	4000	NC	4.4 U	4.5 U	4.4 U	4.3 U	4.3 U	4.6 U
4,4'-DDE	3300	18000	NC	4.4 U	**1.5 J**	4.4 U	4.3 U	4.3 U	4.6 U
4,4'-DDT	3300	11000	NC	44 U	45 U	44 U	43 U	43 U	46 U
Aldrin	70	500	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
alpha-BHC	200	0.3	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
alpha-Chlordane[3]	3100	9600	NC	4.4 U	**14**	4.4 U	4.3 U	4.3 U	4.6 U
beta-BHC	600	1	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Chlordane	3100	9600	NC	22 U	**104**	22 U	21 U	21 U	23 U
delta-BHC	22000	200	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Dieldrin	70	4	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Endosulfan I	410000	3800	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Endosulfan II	NC	NC	NC	4.4 U	4.5 U	4.4 U	4.3 U	4.3 U	4.6 U
Endosulfan Sulfate	NC	NC	NC	4.4 U	4.5 U	4.4 U	4.3 U	4.3 U	4.6 U
Endrin	21000	1000	NC	4.4 U	4.5 U	4.4 U	4.3 U	4.3 U	4.6 U
Endrin Aldehyde	NC	NC	NC	4.4 U	4.5 U	4.4 U	4.3 U	4.3 U	4.6 U
Endrin Ketone	NC	NC	NC	44 U	4.5 U	44 U	4.3 U	4.3 U	4.6 U
gamma-BHC (Lindane)	700	9	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
gamma-Chlordane[3]	3100	9600	NC	4.4 U	**13**	4.4 U	4.3 U	4.3 U	4.6 U
Heptachlor	200	23000	NC	22 U	2.3 U	22 U	2.1 U	2.1 U	2.3 U
Heptachlor Epoxide	100	600	NC	2.2 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Methoxychlor	370000	160000	NC	87 U	91 U	89 U	85 U	85 U	93 U
Toxaphene	1000	31000	NC	220 U	230 U	220 U	210 U	210 U	230 U
Inorganics (mg/kg)									
Arsenic	0.8	29	2.04	0.31 U	0.37 U	**0.51**	0.35 U	0.41 U	0.44 U

TABLE 5-5

SEDIMENT ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51					
	Residential Direct Exposure	Leachability to Groundwater		SD-007	SD-008	SD-009	SD-010	SD-011	
								Sample	Duplicate
Pesticides (µg/kg)									
4,4'-DDD	4600	4000	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
4,4'-DDE	3300	18000	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
4,4'-DDT	3300	11000	NC	51 U	44 U	49 U	43 U	43 U	43 U
Aldrin	70	500	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	**1.8 J**
alpha-BHC	200	0.3	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
alpha-Chlordane [1]	3100	9600	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
beta-BHC	600	1	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
Chlordane	3100	9600	NC	25 U	22 U	24 U	21 U	22 U	22 U
delta-BHC	22000	200	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
Dieldrin	70	4	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
Endosulfan I	410000	3800	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
Endosulfan II	NC	NC	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
Endosulfan Sulfate	NC	NC	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
Endrin	21000	1000	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
Endrin Aldehyde	NC	NC	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
Endrin Ketone	NC	NC	NC	5.1 U	4.4 U	49 U	4.3 U	4.3 U	4.3 U
gamma-BHC (Lindane)	700	9	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
gamma-Chlordane [1]	3100	9600	NC	5.1 U	4.4 U	4.9 U	4.3 U	4.3 U	4.3 U
Heptachlor	200	23000	NC	2.5 U	2.2 U	24 U	2.1 U	2.2 U	2.2 U
Heptachlor Epoxide	100	600	NC	2.5 U	2.2 U	2.4 U	2.1 U	2.2 U	2.2 U
Methoxychlor	370000	160000	NC	100 U	87 U	98 U	86 U	87 U	86 U
Toxaphene	1000	31000	NC	250 U	220 U	240 U	210 U	220 U	220 U
Inorganics (mg/kg)									
Arsenic	0.8	29	2.04	0.5 U	0.42 U	0.45 U	0.37 U	0.38 U	0.4 U

TABLE 5-5

SEDIMENT ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51					
	Residential Direct Exposure	Leachability to Groundwater		SD-012	SD-013	SD-014	SD-015	SD-016	
								Sample	Duplicate
Pesticides (µg/kg)									
4,4'-DDD	4600	4000	NC	5.4 U	**4.2 J**	6.5 U	**8.4 J**	4.9 U	**3.1 J**
4,4'-DDE	3300	18000	NC	5.4 U	**7.3**	6.5 U	**5.1**	4.9 U	**4.6 J**
4,4'-DDT	3300	11000	NC	54 U	49 U	65 U	43 U	49 U	50 U
Aldrin	70	500	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
alpha-BHC	200	0.3	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
alpha-Chlordane [1]	3100	9600	NC	5.4 U	**14.6**	6.5 U	4.3 U	4.9 U	**2.2 J**
beta-BHC	600	1	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
Chlordane	3100	9600	NC	27 U	**96.5**	32 U	21 U	24 U	**24.8 J**
delta-BHC	22000	200	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
Dieldrin	70	4	NC	2.7 U	**3.8**	3.2 U	2.1 U	2.4 U	2.5 U
Endosulfan I	410000	3800	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
Endosulfan II	NC	NC	NC	5.4 U	4.9 U	6.5 U	4.3 U	4.9 U	5 U
Endosulfan Sulfate	NC	NC	NC	5.4 U	4.9 U	6.5 U	4.3 U	4.9 U	5 U
Endrin	21000	1000	NC	5.4 U	4.9 U	6.5 U	4.3 U	4.9 U	5 U
Endrin Aldehyde	NC	NC	NC	5.4 U	4.9 U	6.5 U	4.3 U	4.9 U	5 U
Endrin Ketone	NC	NC	NC	5.4 U	4.9 U	6.5 U	4.3 U	4.9 U	5 U
gamma-BHC (Lindane)	700	9	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
gamma-Chlordane [1]	3100	9600	NC	5.4 U	**13**	6.5 U	4.3 U	4.9 U	**3.4 J**
Heptachlor	200	23000	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
Heptachlor Epoxide	100	600	NC	2.7 U	2.5 U	3.2 U	2.1 U	2.4 U	2.5 U
Methoxychlor	370000	160000	NC	110 U	99 U	130 U	86 U	97 U	100 U
Toxaphene	1000	31000	NC	270 U	250 U	320 U	210 U	240 U	250 U
Inorganics (mg/kg)									
Arsenic	0.8	29	2.04	0.47 U	1.8 U	1.4 U	0.52 U	3.5 U	3.1 U

TABLE 5-5

SEDIMENT ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51					
	Residential Direct Exposure	Leachability to Groundwater		SD-017	SD-018	SD-019	SD-020	SD-021	
								Sample	Duplicate
Pesticides (µg/kg)									
4,4'-DDD	4600	4000	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
4,4'-DDE	3300	18000	NC	**3.8 J**	**1.7 J**	**1.3 J**	4.2 U	5.1 U	4.5 U
4,4'-DDT	3300	11000	NC	50 U	45 U	40 U	42 U	51 U	45 U
Aldrin	70	500	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
alpha-BHC	200	0.3	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
alpha-Chlordane [1]	3100	9600	NC	**1.7 J**	**2.4 J**	**4.7**	**3.8 J**	5.1 U	4.5 U
beta-BHC	600	1	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
Chlordane	3100	9600	NC	**19.2 J**	**26.8**	**26.5**	**21.4**	26 U	23 U
delta-BHC	22000	200	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
Dieldrin	70	4	NC	2.5 U	2.2 U	**1.1 J**	**1.3 J**	2.6 U	2.3 U
Endosulfan I	410000	3800	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
Endosulfan II	NC	NC	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
Endosulfan Sulfate	NC	NC	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
Endrin	21000	1000	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
Endrin Aldehyde	NC	NC	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
Endrin Ketone	NC	NC	NC	5 U	4.5 U	4 U	4.2 U	5.1 U	4.5 U
gamma-BHC (Lindane)	700	9	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
gamma-Chlordane [1]	3100	9600	NC	**2.5 J**	**2.8 J**	**3 J**	**2.3 J**	5.1 U	4.5 U
Heptachlor	200	23000	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
Heptachlor Epoxide	100	600	NC	2.5 U	2.2 U	2 U	2.1 U	2.6 U	2.3 U
Methoxychlor	370000	160000	NC	99 U	89 U	80 U	84 U	100 U	90 U
Toxaphene	1000	31000	NC	250 U	220 U	200 U	210 U	260 U	230 U
Inorganics (mg/kg)									
Arsenic	0.8	29	2.04	0.44 U	0.41 U	0.99 U	0.37 U	1.7 U	1.8 U

TABLE 5-5

SEDIMENT ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]		IBDS Value[2]	CEF-P51						
	Residential Direct Exposure	Leachability to Groundwater		SD-022	SD-023	SD-024	SD-025	SD-026	SD-027	SD-028
Pesticides (µg/kg)										
4,4'-DDD	4600	4000	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	5.5 U	5.8 U
4,4'-DDE	3300	18000	NC	3.9 U	4.7 U	4.5 U	**4 J**	5.7 U	5.5 U	5.8 U
4,4'-DDT	3300	11000	NC	39 U	47 U	45 U	64 U	57 U	55 U	58 U
Aldrin	70	500	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
alpha-BHC	200	0.3	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
alpha-Chlordane [1]	3100	9600	NC	3.9 U	4.7 U	4.5 U	**13.4**	5.7 U	5.5 U	5.8 U
beta-BHC	600	1	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
Chlordane	3100	9600	NC	20 U	24 U	22 U	**83.7**	29 U	27 U	29 U
delta-BHC	22000	200	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
Dieldrin	70	4	NC	2 U	2.4 U	2.2 U	**1.9 J**	2.9 U	2.7 U	2.9 U
Endosulfan I	410000	3800	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
Endosulfan II	NC	NC	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	5.5 U	5.8 U
Endosulfan Sulfate	NC	NC	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	5.5 U	5.8 U
Endrin	21000	1000	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	5.5 U	5.8 U
Endrin Aldehyde	NC	NC	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	5.5 U	5.8 U
Endrin Ketone	NC	NC	NC	3.9 U	4.7 U	4.5 U	6.4 U	5.7 U	55 U	58 U
gamma-BHC (Lindane)	700	9	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
gamma-Chlordane [1]	3100	9600	NC	3.9 U	4.7 U	4.5 U	**8.1**	5.7 U	5.5 U	5.8 U
Heptachlor	200	23000	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	28 U	29 U
Heptachlor Epoxide	100	600	NC	2 U	2.4 U	2.2 U	3.2 U	2.9 U	2.7 U	2.9 U
Methoxychlor	370000	160000	NC	79 U	94 U	89 U	130 U	110 U	110 U	120 U
Toxaphene	1000	31000	NC	200 U	240 U	220 U	320 U	290 U	270 U	290 U
Inorganics (mg/kg)										
Arsenic	0.8	29	2.04	0.3 U	0.45 U	0.43 U	1.7 U	3 U	0.47 U	**0.63**

1 FDEP Soil Cleanup Target Level, FAC 62-777 (FDEP, 1999).
2 NAS Cecil Field site-specific Inorganic Background Data Set (HLA, 1998).
3 Criterion is for total chlordane.
NC = No criterion.
U = Not detected at or above detection limit (associated value).
J = Estimated concentration.
Bolded values exceed detection limits.
Shaded values exceed criteria.

TABLE 5-6

SURFACE WATER ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP Fresh Surface Water Cleanup Target Level[1]	CEF-P51						
		SW-001	SW-002	SW-003	SW-004	SW-005	SW-006	SW-007
Pesticides (µg/L)								
4,4'-DDD	0.064	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	10.5	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	0.001	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Aldrin	0.3	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
alpha-BHC	NC	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
alpha-Chlordane	NC	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
beta-BHC	NC	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
Chlordane	0.0043	0.5 U	0.55 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55 U
delta-BHC	NC	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
Dieldrin	0.0019	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.01 U	0.003 U
Endosulfan I	0.056	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
Endosulfan II	0.056	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Endosulfan Sulfate	NC	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Endrin	0.0023	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Endrin Aldehyde	NC	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Endrin Ketone	NC	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
gamma-BHC (Lindane)	0.08	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
gamma-Chlordane	NC	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U
Heptachlor	0.0038	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
Heptachlor Epoxide	0.0038	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U
Methoxychlor	0.03	0.2 U	0.22 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U
Toxaphene	0.002	2.5 U	2.8 U	2.5 U	2.5 U	2.5 U	2.5 U	2.8 U
Inorganics (µg/L)								
Arsenic	50	3.2 U	3.2 U	3.2 U	**12.5**	**16.1**	3.2 U	3.2 U

TABLE 5-6

SURFACE WATER ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP Fresh Surface Water Cleanup Target Level[1]	CEF-P51						
		SW-008		SW-009	SW-010	SW-011	SW-012	SW-013
		Sample	Duplicate					
Pesticides (µg/L)								
4,4'-DDD	0.064	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDE	10.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDT	0.001	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Aldrin	0.3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
alpha-BHC	NC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
alpha-Chlordane	NC	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
beta-BHC	NC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
Chlordane	0.0043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55 U	0.5 U
delta-BHC	NC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
Dieldrin	0.0019	0.003 U	0.003 U	0.01 U	0.003 U	**0.0019 J**	0.0055 U	0.003 U
Endosulfan I	0.056	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
Endosulfan II	0.056	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan Sulfate	NC	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Endrin	0.0023	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Endrin Aldehyde	NC	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Endrin Ketone	NC	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
gamma-BHC (Lindane)	0.08	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
gamma-Chlordane	NC	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U
Heptachlor	0.0038	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
Heptachlor Epoxide	0.0038	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U
Methoxychlor	0.03	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 U	0.2 U
Toxaphene	0.002	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.8 U	2.5 U
Inorganics (µg/L)								
Arsenic	50	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U

TABLE 5-6

SURFACE WATER ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP Fresh Surface Water Cleanup Target Level[1]	CEF-P51						
		SW-014	SW-015	SW-016	SW-017	SW-018	SW-019	SW-020
Pesticides (µg/L)								
4,4'-DDD	0.064	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDE	10.5	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDT	0.001	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Aldrin	0.3	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
alpha-BHC	NC	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
alpha-Chlordane	NC	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
beta-BHC	NC	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
Chlordane	0.0043	0.55 U	0.5 U	0.55 U	0.55 U	0.55 U	0.5 U	0.55 U
delta-BHC	NC	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
Dieldrin	0.0019	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	**0.0084**	0.003 U
Endosulfan I	0.056	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
Endosulfan II	0.056	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan Sulfate	NC	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin	0.0023	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin Aldehyde	NC	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin Ketone	NC	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
gamma-BHC (Lindane)	0.08	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
gamma-Chlordane	NC	0.11 U	0.1 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Heptachlor	0.0038	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
Heptachlor Epoxide	0.0038	0.055 U	0.05 U	0.055 U	0.055 U	0.055 U	0.05 U	0.055 U
Methoxychlor	0.03	0.22 U	0.2 U	0.22 U	0.22 U	0.22 U	0.2 U	0.22 U
Toxaphene	0.002	2.8 U	2.5 U	2.8 U	2.8 U	2.8 U	2.5 U	2.8 U
Inorganics (µg/L)								
Arsenic	50	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	12.7 U	**71.5**

TABLE 5-6

SURFACE WATER ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP Fresh Surface Water Cleanup Target Level[1]	CEF-P51						
		SW-021	SW-022		SW-023	SW-024	SW-027	SW-028
			Sample	Duplicate				
Pesticides (µg/L)								
4,4'-DDD	0.064	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
4,4'-DDE	10.5	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
4,4'-DDT	0.001	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Aldrin	0.3	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
alpha-BHC	NC	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
alpha-Chlordane[2]	NC	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
beta-BHC	NC	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
Chlordane	0.0043	0.5 U	0.5 U	0.55 U	0.5 U	0.55 U	0.5 U	0.5 U
delta-BHC	NC	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
Dieldrin	0.0019	0.01 U	0.003 U	0.001 U	0.001 U	0.001 U	0.003 U	0.003 U
Endosulfan I	0.056	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
Endosulfan II	0.056	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Endosulfan Sulfate	NC	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Endrin	0.0023	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Endrin Aldehyde	NC	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Endrin Ketone	NC	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
gamma-BHC (Lindane)	0.08	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
gamma-Chlordane[2]	NC	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U
Heptachlor	0.0038	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
Heptachlor Epoxide	0.0038	0.05 U	0.05 U	0.055 U	0.05 U	0.055 U	0.05 U	0.05 U
Methoxychlor	0.03	0.2 U	0.2 U	0.22 U	0.2 U	0.22 U	0.2 U	0.2 U
Toxaphene	0.002	2.5 U	2.5 U	2.8 U	2.5 U	2.8 U	2.5 U	2.5 U
Inorganics (µg/L)								
Arsenic	50	4.6 U	3.2 U	3.2 U	3.2 U	3.2 U	**509**	3.2 U

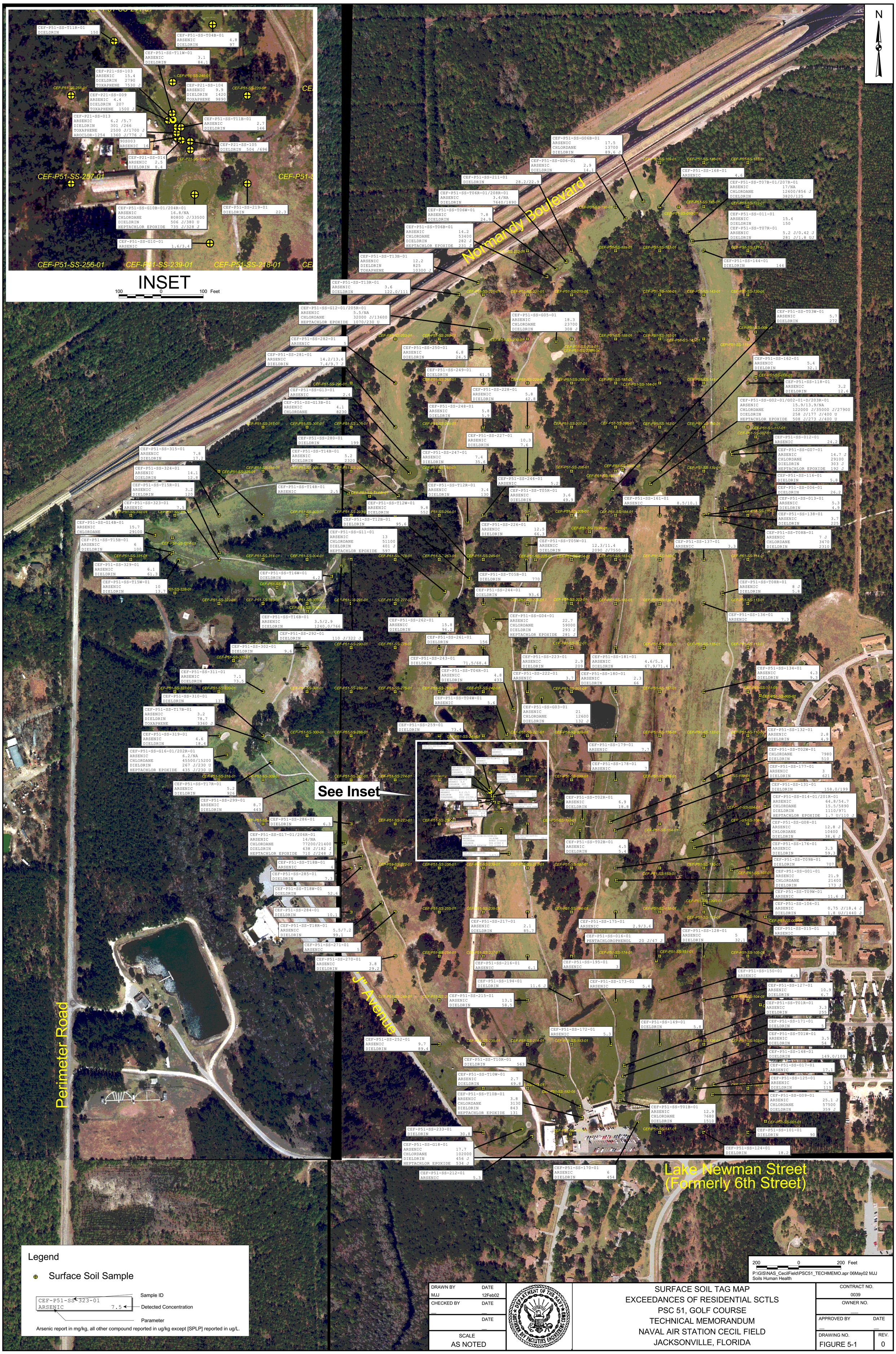
1 FDEP Fresh Surface Water Cleanup Target Level, FAC 62-777 (FDEP, 1999).
2 Criterion is for total chlordane.
NC = No criterion.
U = Not detected at or above detection limit (associated value).
J = Estimated concentration.
Bolded values exceed detection limits.
Shaded values exceed criteria.

TABLE 5-7

GROUNDWATER ANALYTICAL RESULTS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP GCTL[1]	CEF-P21-07S	CEF-P51					
			GW-01S	GW-02S	GW-03S		GW-04S	GW-05S
					Sample	Duplicate		
Pesticides (µg/L)								
4,4'-DDD	0.1	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
4,4'-DDE	0.1	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
4,4'-DDT	0.1	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Aldrin	0.005	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
alpha-BHC	0.006	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
alpha-Chlordane[2]	2	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
beta-BHC	0.02	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
Chlordane	2	0.50 U	0.6 U	0.55 U	0.55 U	0.6 U	0.50 U	0.50 U
delta-BHC	2.1	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
Dieldrin	0.005	0.005 U	**0.0012**	0.014 U	**0.0027**	**0.0023**	0.003 U	0.003 U
Endosulfan I	42	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
Endosulfan II	NC	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Endosulfan Sulfate	NC	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Endrin	2	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Endrin Aldehyde	NC	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Endrin Ketone	NC	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
gamma-BHC (Lindane)	0.2	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
gamma-Chlordane[2]	2	0.10 U	0.12 U	0.11 U	0.11 U	0.12 U	0.10 U	0.10 U
Heptachlor	0.4	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
Heptachlor Epoxide	0.2	0.050 U	0.06 U	0.055 U	0.055 U	0.06 U	0.050 U	0.050 U
Methoxychlor	40	0.20	0.24 U	0.22 U	0.22 U	0.24 U	0.20	0.20
Toxaphene	3	2.5	3 U	2.8 U	2.8 U	3 U	2.5	2.5
Inorganics (µg/L)								
Arsenic	50	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U

1 FDEP Groundwater Cleanup Target Level, FAC 62-777 (FDEP, 1999).
2 Criterion is for total chlordane.
NA = Not analyzed.
NC = No criterion.
U = Not detected at or above detection limit (associated value).
Bolded values exceed detection limits.
Shaded values exceed criteria.



DRAWN BY	DATE
MJJ	12Feb02
CHECKED BY	DATE
	DATE
SCALE	
AS NOTED	

SURFACE SOIL TAG MAP
EXCEEDANCES OF RESIDENTIAL SCTLS
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO.	
0039	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO.	REV.
FIGURE 5-1	0

6.0 PRELIMINARY RISK EVALUATIONS

6.1 HUMAN HEALTH RISKS

6.1.1 Introduction

The objective of this human health risk assessment was to determine if PSC 51, in its current state, would support residential use without adversely impacting human health. Additionally, the site was evaluated for a golf course maintenance worker, regarded as the most sensitive receptor for the site with respect to its current use (see Section 6.1.5). As stated previously and in accordance with normal practices, the golf course has been treated with pesticides. The primary chemicals of potential concern (COPC) are arsenic, chlordane, 4,4'-DDE, 4,4'-DDT, dieldrin, and heptachlor epoxide. The risk assessment will determine if the soil concentrations of these COPCs pose an unacceptable risk.

Typically, a residential exposure unit is assumed to cover an area of approximately 0.25 acre. However, as part of this investigation, the golf course was divided into a grid of 1-acre units, and one sample was collected from the center of each 1-acre unit. Additionally, one sample was collected from the center points of tees and greens (Figure 4-1). Consequently, there were 0.25-acre units without samples. Even if the residential exposure unit contained a sample, determination of risk based on one sample would render uncertain conclusions. The golf course covers an area of approximately 250 acres. Because of the sampling plan, there is an abundance of data. This abundance of data, with some appropriate assumptions, can be used to predict concentrations in the residential exposure units, even though there are limited data in each residential exposure unit.

Essentially, the site was categorized into five types of areas: tees, greens, fairways, rough, and wooded/unmaintained areas (Figure 4-1). It was assumed that each of these areas were treated with pesticides in a consistent manner. Specifically, all tees were treated with a similar application of pesticides. Likewise, all fairways were treated with a similar application of pesticides, albeit potentially different from that of the tees, greens, or other areas. Therefore, each sample was classified into one of the five categories. As a result, a pool of data with a defined statistical distribution (i.e., mean and standard deviation) represents each category.

The area where a residential exposure unit could be placed on the golf course could be defined randomly. The random nature of this placement may result in an exposure unit consisting solely of a fairway, solely of a green, or a combination of categories. For purposes of this assessment, it was assumed that a residential unit would consist solely of one of the categories. This allowed for a degree of conservatism toward protection of human health and allowed for a degree of simplicity in evaluating risk.

The risk assessment conducted for PSC 51 was probabilistic rather than the traditional deterministic assessment. Typically, point concentrations, such as the upper confidence limit of the mean (UCL), are used in the calculation (deterministic). This risk assessment took advantage of the statistical distributions of the concentration data. In addition, knowing the approximate coverage of the various categories across the golf course, the risk assessment took advantage of the fact that the probability of defining a residential exposure unit on the rough would be greater than the probability of defining a residential unit on a green or tee because the rough accounts for 87 acres of the golf course compared to 26 acres for the greens. These factors were used in combination with the concentration distributions of COPCs to determine a 95th percentile of risk to determine whether the golf course poses a risk under a residential scenario.

6.1.2 Data Evaluation

One of the principal assumptions in conducting this risk assessment was that the data in each of the categories (i.e., tees, greens) would be considered representative of that category, across the golf course. To ensure that this assumption was appropriate, probability plots were generated to determine whether the data in each category are from the same population. The probability plots (Appendix B) illustrate whether the data approximate a normal or lognormal distribution and whether more than one population exists within the data. For each COPC in each category, the probability plots illustrate that the data are normal or lognormally distributed and the data can be used to represent their respective categories. The statistical summaries of the data for each COPC in each category are presented in Table 6-1.

As part of its review of the draft Technical Memorandum for PSC 51, U.S. EPA conducted independent sampling and statistical analysis of the resulting data to validate the assumptions that analytical results from each area can be used to represent conditions at all such areas. To test this assumption for greens, which had the highest contaminant concentrations and consequently would pose the greatest risk, U.S. EPA sampled two greens. The objective of this supplemental sampling was to determine if greens data were sufficiently homogenous relative to the application of pesticides. If the range of concentrations in the U.S. EPA greens sampling was not significantly different than the range of concentrations in the existing greens data set, then samples from all of the greens could be used to represent a single green for risk determination purposes. Various statistical tests were used to assess the variability of the data, and it was concluded that the range of detected concentrations of contaminants from the U.S. EPA supplemental sampling was not significantly different than the range of concentrations from the Navy's data. Thus, the Navy's approach of using data from all the individual greens to determine the risk for any one given green was independently validated by the U.S. EPA and subsequently approved by the NAS

Cecil Field BCT. This approach was also approved by the BCT for tees, fairways, rough and wooded areas.

6.1.3 Calculation of Risk for Each Category

Calculation of risk involves a simplistic ratio approach using exposure concentrations and FDEP residential SCTLs in combination with a "bootstrap-t" procedure. The COPCs being evaluated in this human health risk assessment are all regarded as carcinogens. The SCTLs for these constituents correspond to a 10^{-6} risk level. Therefore, the ratio of the exposure concentration of any constituent to its respective SCTL will provide a proportional estimate of the risk relative to the risk of 10^{-6}. For example, the residential SCTL for dieldrin is 70 µg/kg. This corresponds to a risk of 10^{-6}. A dieldrin exposure concentration of 7 µg/kg would correspond to one-tenth of that risk, or a risk of 10^{-7}.

To determine the residential risk associated with living on a space once occupied by a green, data from the greens were used. Because at most there is only one sampling location for any green, the data from the greens from across the site are used to develop the risk for a green. Because the COPC concentrations for each sampling point are known, the risk associated for each constituent's concentration can be derived. Consequently, the risk for a specific sampling point is represented by the sum of the risks associated with individual COPCs.

The risk associated with residing on a green is represented by the 95 percent UCL of the risks, based on the greens data set, which is considered to be representative of greens across the golf course. The UCL was calculated using the bootstrap-t procedure, as recommended by the U.S. EPA (U.S. EPA, 1997c). The bootstrap-t procedure is a nonparametric procedure that uses the bootstrap methodology to estimate quantiles of the t-statistic. In the bootstrap-t procedure, repeated samples of size n_i are drawn with replacement from the given set of observations. The procedure is repeated a large number of times, and each time an estimated t-value is computed.

Specifically, if x is the sample mean of the risks computed from the original data and x_i and $s_{x,i}$ are the sample mean and sample standard deviation of the risks computed from the *i*th resampling of the original data, the N quantitles, $t_i = (x_i - x) / s_{x,i}$ are computed and sorted yielding ordered quantities of $t_{(1)} \leq t_{(2)} \leq \ldots t_{(N)}$. The 95th percentile of the t statistic is used to calculate the 95 percent UCL of the risks. For example, if N = 1000 bootstrap-t statistics are computed, then the 50th highest t-statistic is the 95th percentile value. The UCL of the risks is defined by the relation $x + t\, s / \sqrt{n}$, where x and s are the mean and standard deviation of the original data, respectively; n is the sample size of the original data; and t is the 95th percentile t-statistic. For the golf course, the sample size (n_i) was set equal to 30, and 1000 (N) t-statistics were computed. This procedure is illustrated in Figure 6-1.

The greens have the highest concentrations of COPCs; therefore, it would be expected that greens would pose the highest potential risks. The range of risks for residential exposure on the greens is between 6.4×10^{-7} and 1.4×10^{-4} (Table 6-2). The 95th percentile risk is 8.5×10^{-5}, which is within U.S. EPA's target risk range of 10^{-4} to 10^{-6}. The 10^{-4} risk is at the 98.4th percentile, indicating that there is only a 1.6 percent chance of exceeding the target risk range if any given green became residential. The average risk for greens is 3.7×10^{-5}. A summary of the risks for each of the categories is presented in Table 6-3. None of the risks at the 95th percentile exceed U.S. EPA's target risk range.

6.1.4 Calculating Potential Residential Risk Across the Entire Golf Course

As stated earlier, the placement of a residential exposure unit on the golf course can be random. Because it is assumed to be random, the probability of a residential exposure unit being placed on a green, tee, fairway, rough, or wooded area is directly proportional to the fraction of area each of these categories covers on the golf course. The fractional coverage of each area is presented in Table 6-4.

As described in Section 6.1.3, distributions of risks were derived for each category. Although greens and tees may have the highest risks, their coverage is the least across the entire golf course. The wooded areas, the category with the least risk and the highest coverage, will primarily drive the 95th percentile of risk. Using the risk distributions derived for each category in combination with the fractional coverage for each area, the bootstrap-t procedure can be run, but the risk values drawn from each category's distribution are limited by the category's coverage. For example, only 1 percent of the risk values can be drawn from the green distribution, but 54 percent of the risk values can be drawn from the woods distribution. This procedure is illustrated in Figure 6-2.

Aroclor-1254 was detected in CEF-P21-SS-013 and its duplicate at an average concentration of 1,068 µg/kg. This concentration exceeds the total aroclor SCTL of 500 µg/kg, but the risk associated with the detected concentration falls within U.S. EPA's target risk range.

The range of risks for residential exposure on the entire golf course is between 2.1×10^{-7} and 1.2×10^{-4}. The 95th percentile risk is 1.6×10^{-5}, which is within U.S. EPA's target risk range of 10^{-4} to 10^{-6}. The 10^{-4} risk is at the 99.99th percentile, indicating that there is less than a one hundredth of one percent chance of exceeding the target risk range if any given green became residential. The average risk for the golf course is 4.0×10^{-6}. A summary of the risks for the entire golf course is presented in Table 6-5.

6.1.5 Calculating the Potential Risk for a Maintenance Worker

In its current state as a golf course, the maintenance worker would be regarded as the most sensitive receptor. The maintenance worker would be present at the site during a normal work schedule of 5 days

per week, 50 weeks per year. These exposure assumptions are consistent with those used to derive the FDEP industrial SCTLs. Therefore, comparison to the FDEP industrial SCTLs provides the basis for determining the risk associated with exposure by the maintenance worker.

Whereas the residential exposure unit is assumed to be 0.25 acre, the exposure unit for the maintenance worker is assumed to be the entire golf course. The maintenance worker would be exposed to tees, greens, fairways, roughs, and wooded areas. Therefore, the entire data set is used to determine the potential risk. Because the COPC concentrations for each sampling point are known, the industrial risk associated for each sampling point can be derived. As risks were calculated for each category (tees, greens, etc.), the risks for the entire site can be calculated. Using this approach, the 95th percentile risk and average risk for the maintenance worker are both 1.8×10^{-6}, and the maximum risk for the maintenance worker is 2.0×10^{-6}. These risks are within U.S. EPA's target risk range.

6.2 ECOLOGICAL RISKS

A screening-level ecological risk assessment was conducted to evaluate the potential risks to ecological receptors at PSC 51. Steps 1 through 3A of the ecological risk assessment were conducted in accordance with the following documents: U.S. EPA Ecological Risk Assessment Guidance for Superfund (U.S. EPA, 1997b), U. S. EPA Amended Guidance on Ecological Risk Assessment at Military Bases (U.S. EPA, 2000a), and the Navy Policy for Conducting Ecological Risk Assessments (Department of the Navy, 1999). Steps 1 through 3A consist of the following:

Step 1 Screening-Level Problem Formulation and Ecological Effects Evaluation
Step 2 Screening-Level Exposure Estimate and Risk Calculation
Step 3A Refinement of Preliminary Chemicals of Potential Concern

6.2.1 Step 1: Screening-Level Problem Formulation and Ecological Effects Evaluation

PSC 51 covers approximately 257 acres and consists of tees, greens, fairways, rough, and wooded areas. Ecological risk from surface soil contaminants was evaluated separately in this report for each of these habitat types, which are described below.

Golf course tees and greens are typically subjected to intensive management practices to sustain the conditions desired by golfers. The golf course that comprises PSC 51 is no exception. The tees and greens consist of low-cut grass that is frequently mowed to maintain a carpet-like appearance and texture. The grass height is typically less than ¼ inch on greens and ½ to 1 inch on tees. The lack of concealing vegetation on tees and greens, combined with the scarcity of invertebrates due to the recurring use of insecticides, results in a habitat type that is infrequently used by wildlife. The tees at PSC 51 comprise approximately 2.3 acres, and the greens comprise approximately 2.5 acres.

Fairways comprise approximately 26 acres at PSC 51. Fairways are intensively managed, but the grass is higher and the use of insecticides is typically less than on tees and greens. Thus, the fairways probably support more ecological receptors than the tees and greens. Soil invertebrates undoubtedly exist in the fairways, although invertebrate populations are presumably impacted by the current and historical use of insecticides in these areas. Various bird species forage in the fairways, consuming invertebrates in the soil and grass as well as seeds blown in from nearby wooded areas. The grass height, similar to that in a recently mowed lawn, is too low to provide cover for small mammals such as shrews and mice. With the exception of invertebrates and birds, few receptors are expected to forage in the fairways during daylight hours. The fairways are undoubtedly traversed by some wildlife species, especially at night, because the fairways are interspersed between nearby wooded areas.

The term “rough,” as typically used by golfers, refers to the portion of the course that lies beyond the fairways, tees, and greens, exclusive of wooded (i.e., tree-covered) areas. Rough typically includes areas of frequently mowed grass that are only barely distinguishable from fairways, as well as areas of unmowed, tall grass, weeds, and shrubs. In this report however, “rough” comprises the frequently mowed areas beyond the fairways, tees, and greens, and areas of unmowed grass, weeds, and shrubs are included in the wooded category. This approach was taken because the primary source of contamination at PSC 51 is pesticides. Specifically, the rough (as defined herein), similar to fairways, tees, and greens, was historically subjected to the regular use of organochlorine insecticides, and it is assumed that the wooded areas and adjacent areas of tall grass, weeds, and shrubs were not.

The rough encompasses approximately 87 acres at PSC 51. Rough areas are similar to fairways except that fairways typically consist of a single evergreen grass species, and rough is subjected to less intensive management and often consists of more than one species of grass. The grass in rough areas typically “dies back” during winter months. Animals that utilize the rough are similar to those on the fairways (invertebrates and birds).

The wooded areas cover approximately 139 acres at PSC 51. As discussed above, the wooded areas include tree-covered (i.e., forested) areas, and adjacent areas of unmowed, generally unmaintained grass, weeds, and shrubs. Some wooded areas, such as in the southeastern corner of the site, have a park-like appearance because they are devoid of understory vegetation. Relatively few animal species utilize these habitats because of the lack of understory and often their proximity to developed areas. Other wooded areas, such as the bottomland hardwood forest along portions of Rowell Creek, provide favorable conditions for a diverse assemblage of plants and animals. Wildlife species expected to occur in these forested areas and in the adjacent unmowed areas of thick vegetation include numerous birds, reptiles, amphibians, and mammals such as moles, shrews, mice, voles, squirrels, rabbits, raccoons,

opossums, deer, skunks, and foxes. The primary forest types at PSC 51 are pine flatwoods, scrubby flatwoods, and bottomland hardwood forest.

Surface water bodies at PSC 51 consist of three ponds, four ditches, and Rowell Creek (Figure 4-1). Mowed grass associated with the golf course rough is found along the edges of the ponds. All ditches ultimately drain into Rowell Creek. Three of the four ditches contain water only following rain events. The fourth ditch generally contains barely flowing water and varies in depth from a few inches to 1 foot along most of its length. This channelized ditch drains toward the southwest and enters Rowell Creek in the southern portion of the site. The channelized ditch and the ponds contain minnow-sized fish, and the ponds probably also contain larger fish. Wading birds such as egrets and herons and mammals such as the raccoon forage in the ditches and ponds. Rowell Creek, which originates north of PSC 51 in the Yellow Water portion of NAS Cecil Field, meanders generally in a southward direction through PSC 51. Under low-flow conditions, water in Rowell Creek varies from a few inches deep and 3 feet wide to 3 feet deep and 10 feet wide. The creek is considerably deeper during wet weather. Rowell Creek provides habitat for a variety of aquatic invertebrates, fish, reptiles, and amphibians and provides prey items for mammals such as raccoons and opossums.

Aquatic organisms and wildlife foraging in ponds and streams at the site could be exposed to contaminants through direct contact with surface water and sediments, incidental ingestion of surface water and sediments, and consumption of contaminated food items. These organisms could also be exposed to constituents from contaminated groundwater that discharges to nearby surface water. Terrestrial animals could be exposed to soil contaminants through ingestion of contaminated food items. Animals can incidentally ingest soil while grooming fur, preening feathers, digging, grazing close to the soil, or feeding on items to which soil has adhered (such as roots and tubers). Terrestrial vegetation could be exposed to contaminants via direct aerial deposition and root translocation. Aerial deposition at PSC 51 is a negligible pathway because the contaminant sources at the sites are largely covered by vegetation, reducing the amount of bare soil and fugitive dust. Terrestrial animal receptors could also come into contact with contaminants in surface water through drinking, although this exposure route represents a negligible portion of total exposure for most receptors (Sample et al., 1996). Exposure to contaminants in the soil via dermal contact might occur but is unlikely to represent a major exposure pathway because fur, feathers, and chitinous exoskeletons minimize transfer of contaminants across dermal tissue.

The nature and extent of contamination were discussed in Section 5. The objective of this assessment was to determine if exposure to contaminants present in surface soil, sediment, and surface water at the site is likely to result in declines of ecological receptor populations.

All analytes (except calcium, magnesium, potassium, and sodium) detected in surface soil, sediment, surface water, and groundwater samples collected during recent sampling activities were assessed in this investigation. Calcium, magnesium, potassium, and sodium were excluded because they are essential nutrients that are toxic only at extremely high concentrations. Due to the scarcity of data for these essential nutrients, it was not possible to develop ranges of toxicity for them even at high concentrations.

The preliminary assessment endpoints for this ecological risk assessment were the protection of terrestrial and aquatic biota from adverse effects of chemicals on growth, survival, and reproduction. The preliminary measurement endpoints were chemical concentrations in surface soil, sediment, and surface water that are associated with adverse effects on growth, survival, and reproduction of soil-dwelling organisms, sediment-dwelling organisms, and aquatic organisms (ecological screening values).

6.2.2 Step 2: Screening-Level Exposure Estimate and Risk Calculation

Maximum concentrations of analytes detected in surface soil, surface water, and sediment were compared to conservative ecological screening values. A Hazard Quotient (HQ) is presented for each detected chemical and is defined as the ratio of the maximum chemical concentration to the ecological screening value (referred to as a screening HQ).

Analytes whose maximum concentrations did not exceed ecological screening values were dropped from further consideration, and those that exceeded ecological screening values (or did not have ecological screening values) were retained as ecological COPCs. Ecological screening values used for the initial screening of surface water and sediment were the lowest of those established by U.S. EPA Region IV (U.S. EPA, 2000a) and FDEP (FDEP, 1994; 1996). Ecological screening values used for the initial screening of surface soil were those established by U.S. EPA Region IV (U.S. EPA, 2000a). FDEP has not established ecological screening values for surface soil.

6.2.2.1 Screening Results – Surface Soil

Tees

Eight pesticides (4,4'-DDE, 4,4'-DDT, alpha-chlordane, chlordane, dieldrin, gamma-chlordane, heptachlor epoxide, and toxaphene) and arsenic were retained as COPCs in surface soil at tees because maximum detected concentrations exceeded ecological screening values (Table 6-6).

The pesticides 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT will hereinafter be referred to as DDD, DDE, and DDT, respectively.

Greens

Eight pesticides (DDD, DDE, DDT, alpha-chlordane, chlordane, dieldrin, gamma-chlordane, and heptachlor epoxide) were retained as COPCs in surface soil on greens because the maximum detected concentrations exceeded ecological screening values (Table 6-7).

Fairways

Five pesticides (DDE, aldrin, alpha-chlordane, chlordane, and dieldrin) and arsenic were retained as COPCs in surface soil on fairways because the maximum detected concentrations exceeded ecological screening values (Table 6-8).

Rough

One herbicide (pentachlorophenol), eight pesticides (DDD, DDE, DDT, aldrin, alpha-chlordane, chlordane, dieldrin, and toxaphene), one PCB (Aroclor-1254), and four metals (aluminum, arsenic, chromium, and iron) were retained as COPCs in surface soil in the rough because maximum detected concentrations exceeded ecological screening values (Table 6-9). Previous sampling at PSC 51 indicated that, with the exception of arsenic, inorganics were not a significant source of contaminants at the site. Thus, analyses of inorganics in most samples at PSC 51 were limited to arsenic. As shown in Table 6-9, however, one sample (CEF P21-SS-013) was analyzed for several other metals. This sample was originally intended to be included in the data set for nearby Site 21 but was later determined to be located outside that site and was actually within PSC 51.

Wooded Areas

Four pesticides (DDE, DDT, chlordane, and dieldrin) were retained as COPCs in surface soil in the wooded areas because maximum detected concentrations exceeded ecological screening values (Table 6-10).

6.2.2.2 Screening Results – Surface Water

One pesticide (dieldrin) and one metal (arsenic) were detected in surface water. Both chemicals were retained as surface water COPCs because their maximum concentrations exceeded ecological screening values (Table 6-11).

6.2.2.3 Screening Results – Sediment

Six pesticides (DDD, DDE, alpha-chlordane, chlordane, dieldrin, and gamma-chlordane) were retained as COPCs in sediment because their maximum concentrations exceeded ecological screening values, and aldrin was a COPC because no ecological screening value was available (Table 6-12).

6.2.3 Step 3A: Refinement of Preliminary Chemicals of Potential Concern

Subsequent to the initial screening, other factors were considered to further refine COPCs. These factors included background data, toxicological evaluation of COPCs, frequency of detection, comparisons of COPC concentrations to alternate guidelines, food-chain modeling, habitat quality, and area-use factors (U.S. EPA, 1997b; 2001; Department of the Navy, 1999).

Food-chain modeling was conducted to investigate potential risks to representative receptors from ingested doses of surface soil COPCs that are known to bioaccumulate or biomagnify (U.S. EPA, 2000b). The methods used to model the doses that representative receptors could receive, and to select toxicity reference values (TRVs) are presented in Appendix D. The assessment endpoints associated with the food-chain modeling were the protection of vermivorous and carnivorous birds and mammals from adverse effects of COPCs on growth, survival, and reproduction. The term “vermivorous” is used here in a broad sense to describe birds and mammals that prey upon not only worms but on a variety of adult and larval insects and other arthropods. The associated measurement endpoints were doses of COPCs associated with adverse effects on growth, survival, and reproduction of these receptor groups.

An IBDS has been developed to represent facility-wide background concentrations of metals at NAS Cecil Field (HLA, 1998). Concentrations of metals in surface soil, surface water, and sediment at PSC 51 were compared to these background values in Step 3A.

Concentrations of COPCs were compared to alternate (usually less conservative) guidelines in Step 3A of this assessment. The use of guidelines that are less conservative than Region IV ecological screening values provides balance to the conservative screening-level assessment. Alternative guidelines are provided in Appendix D-2.

6.2.3.1 Results of Food-Chain Modeling

Tees

Based on maximum and average concentrations, food-chain HQs exceeded 1.0 for DDT, DDE, dieldrin, and arsenic (Tables 6-13 and 6-18). Food-chain HQs for chlordane, alpha-chlordane, gamma-chlordane,

and heptachlor epoxide exceeded 1.0 using maximum concentrations but were less than 1.0 using average concentrations.

Greens

Food-chain HQs exceeded 1.0 for DDD, DDE, DDT, chlordane, alpha-chlordane, gamma-chlordane, dieldrin, heptachlor epoxide, and arsenic using maximum and average concentrations (Tables 6-14 and 6-19).

Fairways

DDE, dieldrin, and arsenic each had at least one food-chain HQ greater than 1.0 using maximum and average concentrations (Tables 6-15 and 6-20). Food-chain HQs for DDE using average concentrations were greater than HQs using maximum concentrations. This incongruity is the result of using one-half the detection limit for non-detected samples to calculate the average concentration. Specifically, DDE was detected in 4 of 27 fairway samples, with a maximum concentration of 3.3 µg/kg, and DDE detection limits in non-detected fairway samples ranged from 3.6 to 48 µg/kg. Assuming a value of one-half the detection limit resulted in an average concentration (7.0 µg/kg) that was greater than the maximum detected concentration.

Rough

Based on maximum and average concentrations, food-chain HQs exceeded 1.0 for DDD, DDE, DDT, dieldrin, Aroclor-1254, and arsenic (Tables 6-16 and 6-21).

Wooded Areas

DDE and DDT had food-chain HQs greater than 1.0 based on maximum and average concentrations (Tables 6-17 and 6-22). The food-chain HQ for dieldrin exceeded 1.0 using the maximum concentration but was less than 1.0 using the average concentration.

6.2.3.2 Step 3A Discussion

Tees

Pesticides

Maximum screening HQs were elevated for several pesticides, especially dieldrin (HQ = 15,280) and chlordane (HQ = 534) (Table 6-6). Using the average dieldrin concentration in tees (656 µg/kg), the dieldrin screening HQ would also be considerably elevated (HQ = 1,312). All pesticide COPCs shown in

Table 6-6 are organochlorine insecticides that are no longer used but are known to be extremely persistent in soil. Their presence in surface soil at tees is not surprising because they were routinely used on golf courses. Concentrations in some tee samples exceeded alternate guidelines (Appendix D-2). Concentrations of total organochlorine pesticides in some tee samples exceeded Beyer's (1990) B value of 1,000 µg/kg, and total concentrations in seven samples exceeded Beyer's (1990) C value of 10,000 µg/kg (Figure 6-3). The B value for total organochlorine pesticides refers to moderate soil contamination that requires additional study, and the C value refers to threshold values that require immediate cleanup (Beyer, 1990). Clearly, concentrations of pesticides in many tee areas pose significant potential risk to soil invertebrates.

Food-chain HQs exceeded 1.0 for the hawk, fox, shrew, and mockingbird (Tables 6-13 and 6-18). Carnivorous birds such as hawks forage over large areas. The red-tailed hawk, for example, commonly forages over areas of 940 to 2,440 acres (Appendix D, Table D-2). Because the tees comprise only 2.3 acres, food-chain HQs for this representative receptor would be less than 1.0 percent of the values shown in Tables 6-13 and 6-18 (maximum food-chain HQ = 5.8) if an area-use factor were applied to the food-chain equations. Similarly, the tees comprise only 0.1 to 1.6 percent of the 140- to 2,100-acre home range of the fox; the HQs for this receptor would be well below 1.0 when the area-use factor is incorporated into the food-chain equations.

Maximum food-chain HQs for vermivorous mammals represented by the shrew exceeded 1.0 for five pesticides but was especially high for dieldrin [no-observed-adverse-effects level (NOAEL) HQ = 440] (Tables 6-13 and 6-18). The dieldrin food-chain HQ for the shrew using the average concentration was 38 (Table 6-18). Although vermivorous mammals such as shrews have small home ranges and could forage to a significant extent in the area encompassed by a single tee, the closely mowed grass in tee areas precludes shrews, which are secretive in their habits, from foraging there.

Maximum food-chain HQs for vermivorous birds represented by the mockingbird exceeded 1.0 for DDE, DDT, chlordane, alpha-chlordane, gamma-chlordane, and dieldrin and were especially high for DDE (NOAEL HQ = 160) (Tables 6-13 and 6-18). The DDE and DDT HQs for the mockingbird using average concentrations were 29 and 30, respectively (Table 6-18). Home range data for the mockingbird could not be located in the literature. Average territory sizes for this bird range from 0.8 to 3.1 acres (Derrickson and Breitwisch, 1992). The term "territory" refers to the area occupied by an animal or group of animals that is forcibly defended against by intruders of the same species. The home range is the area within which an animal normally spends most or all of its time in the course of a season (Dasmann, 1981), and home ranges of birds are usually much larger than their territories. Some vermivorous birds probably forage almost exclusively in their defended territory during the breeding season. Thus, the food- chain

HQs indicate that birds foraging exclusively in tee areas during breeding season could be at risk from ingestion of pesticides in soil and prey items.

In summary, pesticides in tee areas pose risk to soil invertebrates. Pesticide concentrations indicate elevated potential risk to upper-level receptors via the food chain for vermivorous birds and mammals, but risk to these receptors depends on the extent to which the tees are used as foraging areas.

Arsenic

The maximum screening HQ for arsenic was 1.7 (Table 6-6). The U.S. EPA Region IV ecological screening value (10 mg/kg) is based on plant toxicity (Appendix D-1) and was exceeded in eight tee samples. The maximum arsenic concentration (17 mg/kg) was less than alternate soil guidelines (Appendix D-2) but exceeded the 2.04 mg/kg Cecil Field IBDS value (HLA, 1998). Potential toxicity to plants is minor considering that the ecological screening value was only slightly exceeded and in only 8 of 60 samples (Appendix E). Potential arsenic risk to upper-level receptors via the food-chain appears to be limited to vermivorous mammals represented by the shrew, with a maximum food-chain HQ of 17.0 based on the NOAEL and a maximum HQ of 1.7 based on the lowest-observed-adverse-effects-level (LOAEL) (Table 6-13). Food-chain HQs were less than 1.0 for the other representative receptors.

Greens

Pesticides

Maximum screening HQs were elevated for several pesticides, especially chlordane (HQ = 1,020) and dieldrin (HQ = 2,220) (Table 6-7). The chlordane and dieldrin screening HQs would also be considerably elevated using the average concentration in greens (average chlordane HQ = 304; average dieldrin HQ = 526). As discussed above for tees, the pesticide COPCs in greens are organochlorine insecticides that are no longer used but are extremely persistent in soil. Concentrations in some green samples exceeded alternate guidelines (Appendix D-2). Concentrations of total organochlorine pesticides in most samples exceeded Beyer's (1990) B value of 1,000 µg/kg, and total concentrations in 22 samples exceeded Beyer's (1990) C value of 10,000 µg/kg (Figure 6-3). The elevated concentrations of pesticides on several greens pose significant potential risk to soil invertebrates.

Food-chain HQs exceeded 1.0 for the hawk, shrew, and mockingbird (Tables 6-14 and 6-19). The greens encompass approximately 2.5 acres. Food-chain HQs for carnivorous birds represented by the hawk (maximum food-chain HQ = 12) would be less than 1.0 percent of the values shown in Tables 6-14 and 6-19 if an area-use factor is applied to the food-chain equations.

Maximum food-chain HQs for the shrew exceeded 1.0 for seven pesticides, and average food-chain HQs exceeded 1.0 for three pesticides (Tables 6-14 and 6-19). Maximum and average food-chain HQs for the mockingbird exceeded 1.0 for seven pesticides (Tables 6-14 and 6-19). The mockingbird food-chain HQs for DDD, DDE, and DDT using average concentrations were elevated, although DDD and DDT were detected in only one and two samples, respectively, due to high detection limits in some samples. An examination of Tables 6-14 and 6-19 indicates that the Hazard Index (HI) for pesticides, defined as the sum of the HQs, would be elevated for vermivorous birds and mammals. Thus, the food-chain HQs for pesticides suggest high potential risk to vermivorous birds and mammals, especially when considering that these receptors would be exposed to multiple pesticides. In general however, these receptors would not forage exclusively on greens, and potential risk to vermivorous birds would probably be much less than implied by the food- chain HQs due to current habitat conditions in these areas.

In summary, pesticides on greens pose risk to soil invertebrates. Pesticide concentrations indicate elevated potential risk to upper-level receptors via the food chain for vermivorous birds and mammals that forage exclusively on greens.

Arsenic

The maximum screening HQ for arsenic was 6.5 (Table 6-7). Arsenic concentrations exceeded the U.S. EPA Region IV ecological screening value (10 mg/kg) in 18 samples, but with the exception of the two maximum concentrations (54.7 and 64.8 mg/kg), concentrations were less than 26 mg/kg (Appendix E). Therefore, arsenic concentrations in all but two samples were less than alternate soil guidelines (Appendix D-2). Potential arsenic risk to upper-level receptors via the food-chain is limited to vermivorous mammals and birds (Tables 6-14 and 6-19), but the maximum food-chain HQ of 2.6 for the mockingbird is relatively low. Arsenic food-chain HQs for the shrew were 63 (maximum NOAEL HQ) and 17 (average NOAEL HQ). Potential risk to vermivorous mammals and birds from arsenic is somewhat mitigated by the conservative assumptions in the food-chain model (100 percent absorption, area-use factor = 1.0, lowest available NOAEL and LOAEL as TRVs).

<u>Fairways</u>

Pesticides

Maximum screening HQs for five organochlorine pesticides exceeded 1.0, but most were relatively low (Table 6-8). The maximum screening HQ for dieldrin, however, was considerably elevated (NOAEL HQ = 418). Pesticide concentrations in the fairways were much lower and tended to be less frequently detected than in the tees and greens. All concentrations of DDD, gamma-chlordane, and heptaclor epoxide were less than their respective ecological screening values (Table 6-8). Aldrin, alpha-chlordane,

and DDE each exceeded their respective ecological screening value in only one sample, and chlordane exceeded its ecological screening value in only two samples (Appendix E). DDD and DDE detection limits however, were elevated (7 to 48 µg/kg) relative to U.S. EPA Region IV ecological screening values (2.5 µg/kg) in approximately one-half of fairway samples (Appendix E).

The relatively low screening HQs and infrequent exceedances of conservative U.S. EPA Region IV ecological screening values suggest that potential risk to soil-dwelling organisms is minor for all pesticides except dieldrin. Receptors in some portions of the fairways might be at risk from exposure to multiple pesticides. However, total pesticide concentrations exceeded Beyer's (1990) B value of 1,000 µg/kg for total organochlorine pesticides in only one sample (CEF-P51-SS-228-01).

Dieldrin was frequently detected (25 of 27 samples), and all concentrations exceeded the U.S. EPA Region IV ecological screening value (0.5 µg/kg), which is the 1994 Dutch target value (U.S. EPA, 2000a). Few guidelines are available for dieldrin in soil (Appendix D-2), preventing a complete assessment of risk posed by dieldrin at Site 51. However, the dieldrin concentrations in some fairway samples appear to pose potential risk to soil dwelling invertebrates.

Based on food-chain modeling, potential risk to upper-level receptors is limited to dieldrin (vermivorous mammals and vermivorous birds) and DDE (vermivorous birds) (Tables 6-15 and 6-20). The food-chain HQs for dieldrin (maximum HQ = 12) suggest that potential risk to vermivorous mammals is limited to the areas of highest dieldrin concentrations. Based on average dieldrin concentrations, the shrew NOAEL HQ was relatively low (2.3), and the mockingbird HQ was less than 1.0. Maximum food-chain HQs for DDE were relatively low and exceeded 1.0 only for the mockingbird (NOAEL HQ = 1.3). As mentioned in Section 6.2.3.1, average concentrations of DDE were greater than maximum detected concentrations due to high detection limits in some samples (Table 6-8).

The fairways comprise approximately 26 acres. Each fairway is large enough that the home range of some vermivorous mammals could be encompassed therein. However, the current conditions of the fairways (low-cut grass) minimize the use of fairways by secretive mammals such as shrews. Moles however, are fossorial and could forage in the fairways, and birds are known to forage, at least to some extent, on the fairways.

In summary, potential risk to soil-dwelling receptors from pesticides is primarily limited to dieldrin. Pesticide concentrations pose minor risk to upper-level receptors such as vermivorous birds and mammals. This conclusion also applies to potential risk from exposure to multiple pesticides.

Arsenic

The maximum screening HQ for arsenic was 1.6 (Table 6-8). Arsenic concentrations exceeded the ecological screening value (10 mg/kg) in 5 of 27 samples (Appendix E). Potential toxicity to plants and soil dwelling receptors is minor considering that the maximum concentration (15.8 mg/kg) only slightly exceeded the conservative ecological screening value and was less than alternate soil guidelines (Appendix D-2).

Potential arsenic risk to upper-level receptors via the food chain is limited to vermivorous mammals (Tables 6-15 and 6-20). Arsenic food-chain HQs for the shrew were 15 (maximum NOAEL HQ) and 5.5 (average NOAEL HQ). Potential risk to vermivorous mammals from arsenic is partially mitigated by the conservative assumptions in the food-chain model (100 percent absorption, lowest available NOAEL and LOAEL as TRVs). In addition, current habitat conditions on the fairways preclude the significant use of these areas by mammals.

Rough

Pentachlorophenol was detected in one of seven samples (CEF-P51-SS-016) at a concentration of 33.5 µg/kg, resulting in a screening HQ of 16.8 (Table 6-9). Pentachlorophenol detection limits in the six rough samples in which it was not detected ranged from 2.4 to 13 µg/kg, which exceeded the 2.0 µg/kg ecological screening value (Appendix E). (Sample CEF-P21-SS-013 was analyzed for pentachlorophenol using two analytical methods. The detection limit was 880 µg/kg for one method and 12 µg/kg in the other method.) Pentachlorophenol is a manufactured chemical used mainly as a wood preservative for utility poles, railroad ties, cross arms, and fence posts. It is also used as a herbicide, insecticide, and fungicide (Eisler, 2000). The source of pentachlorophenol in sample CEF-P51-SS-016 was not ascertained. The detection limits in non-detect samples add some uncertainty to the evaluation of risk from this compound, but the detection limits did not greatly exceed the screening value. All food-chain HQs were well below 1.0, indicating negligible risks to upper-level receptors. In addition, the 11 to 13 µg/kg detection limits were well below the Canadian Soil Quality Guideline (11,000 µg/kg) for pentachlorophenol established as protective of plants and invertebrates (Appendix D-2). In summary, potential ecological risk posed by pentachlorophenol is negligible.

Pesticides

Maximum screening HQs were elevated for several pesticides, especially dieldrin (HQ = 1,242), DDE (HQ = 151), and DDT (HQ = 124) (Table 6-9). Concentrations in some rough samples exceeded alternate guidelines (Appendix D-2). Concentrations of total organochlorine pesticides in five samples exceeded

Beyer's (1990) B value of 1,000 µg/kg, but no concentrations exceeded Beyer's (1990) C value of 10,000 µg/kg. Concentrations of pesticides in several rough samples pose potential risk to soil invertebrates.

DDD and DDE food-chain HQs exceeded 1.0 for the hawk using maximum concentrations (Table 6-16). Food-chain HQs for carnivorous birds represented by the hawk (maximum food chain HQ = 5.2 for DDD and HQ = 2.5 for DDT) would be approximately 4 to 9 percent of the values shown in Tables 6-16 and 6-21 and would be less than 1.0 if an area-use factor is applied to the food-chain equations.

Several food-chain HQs exceeded 1.0 for the shrew and mockingbird using maximum concentrations (Table 6-16). Using average concentrations, DDD, DDE, and DDT food-chain HQs for the mockingbird were greater than 1.0, and the dieldrin food-chain HQ exceeded 1.0 for the shrew (Table 6-16). Because insectivorous mammals forage within rather small areas, the HQs in Table 6-16 suggest that pesticides pose potential risk to these receptors in areas where concentrations are highest. However, the current conditions of the rough (low-cut grass) minimize the use of these areas by secretive mammals such as shrews. Fossorial mammals such as moles, as well as vermivorous birds, could forage in the rough. Birds forage over larger areas, but significant exposure to scattered areas of elevated pesticide concentrations seems unlikely.

In summary, concentrations of pesticides in several rough samples pose potential risk to soil invertebrates. Pesticide concentrations pose potential risk to vermivorous birds in some areas.

PCBs

Most samples at PSC 51 were not analyzed for PCBs because previous sampling indicated that PCBs were not a significant source of contamination at the site. However, a few samples originally intended to be included in the data set for nearby Site 21 were later determined to be located outside that site and are included in the data set for PSC 51. Three of these samples were collected from areas of rough and analyzed for PCBs, resulting in the Aroclor-1254 data shown in Table 6-9. Aroclor-1254 was detected in one of three samples, with a screening HQ of 53. Detection limits in the two non-detect samples exceeded the 20 µg/kg ecological screening value, ranging from 140 to 530 µg/kg (Appendix E).

The single detected value of 1,068 µg/kg could pose risk to soil invertebrates but does not appear to be particularly elevated relative to most of the alternate guidelines in Appendix D-2. The food-chain HQs are also relatively low considering the conservative assumptions used in the food-chain model. In summary, the Aroclor-1254 concentration in one sample could pose risk to soil invertebrates, but a complete evaluation of risk posed by this compound is inhibited by the few samples in which it was analyzed and by the high detection limits in samples in which it was not detected. Nevertheless, PCBs are not believed to be a significant source of contamination at PSC 51.

Metals

The screening HQ for aluminum was 42 (Table 6-9). The ecological screening value of 50 mg/kg is based on toxicity to plants (Appendix D-2). The 2,080 mg/kg aluminum concentration was well below the Cecil Field IBDS value for aluminum in surface soil (4,430 mg/kg) (HLA, 1998). Thus, the aluminum concentration detected in the single sample for which it was analyzed does not appear to be due to site-related activities. Because aluminum does not significantly bioaccumulate or biomagnify and because its concentration was less than the background value, site-related risk to ecological receptors from aluminum appears to be negligible.

The maximum screening HQ for arsenic was 1.6 (Table 6-9). The ecological screening value (10 mg/kg) is based on plant toxicity (Appendix D-2) and was exceeded in two samples. The maximum arsenic concentration (16 mg/kg) was less than alternate soil guidelines (Appendix D-2) but exceeded the 2.04 mg/kg Cecil Field IBDS value (HLA, 1998). Potential arsenic-related toxicity to plants is minor considering that the U.S. EPA Region IV ecological screening value was exceeded in only 2 of 88 samples from the rough (Appendix E).

Potential food-chain risk to upper-level receptors from arsenic is limited to vermivorous mammals represented by the shrew, with a maximum food-chain HQ of 16 based on the NOAEL and an HQ of 1.6 based on the LOAEL (Table 6-16). The arsenic NOAEL HQ based on the average concentration was 2.0 (Table 6-21). Although the rough areas (approximately 87 acres) could encompass the home ranges of vermivorous mammals such as shrews and moles, the current conditions of the rough (low-cut grass) minimize the use of fairways by secretive mammals such as shrews and mice. Moles however, are fossorial and could forage in the rough. Potential risk to vermivorous mammals from arsenic is further partially mitigated by the conservative assumptions in the food-chain model (100 percent absorption, lowest available NOAEL and LOAEL as TRVs). For these reasons, the risk posed by arsenic to upper-level receptors appears to be minor.

The screening HQ for chromium (HQ = 36.5, Table 6-9) was elevated, but the ecological screening value (0.4 mg/kg) is based on hexavalent chromium (Appendix D-2). The lowest available ecological screening value for total chromium (for which soil samples at this site were analyzed) is 64 mg/kg (Friday, 1998). The chromium concentration detected in the single sample for which it was analyzed (14.6 mg/kg) exceeded the 7.75 mg/kg Cecil Field IBDS soil value (HLA, 1998) but was less than screening guidelines for total chromium (Appendix D-2). Thus, potential risk to soil invertebrates and plants is negligible. Because all food-chain HQs for chromium were well below 1.0, potential risk to upper-level receptors is also negligible.

The screening HQ for iron was 2.7 (Table 6-9). The screening value of 200 mg/kg is based on toxicity to microorganisms (Efroymson et al., 1997). The 544 mg/kg iron concentration was well below the Cecil Field IBDS value for iron in surface soil (1,490 mg/kg) (HLA, 1998). Thus, the iron concentration detected in the single sample for which it was analyzed does not appear to be due to site-related activities. Because iron does not significantly bioaccumulate or biomagnify and because its concentration was less than the IBDS value, site-related risk to ecological receptors from iron is negligible.

Wooded Areas

Pesticides

The maximum screening HQ was elevated for dieldrin (HQ = 1,441) (Table 6-10). Concentrations in wooded area samples do not exceed Beyer's (1990) B value of 1,000 µg/kg. With the exception of dieldrin, pesticide concentrations exceeded their respective U.S. EPA Region IV ecological screening values in very few samples, as shown in Appendix E and summarized below.

Number of Soil Samples with Concentrations of Pesticides Greater than Ecological Screening Values

Pesticide	Number of Samples
DDE	6 of 129
DDT	2 of 129
Chlordane	1 of 122
Dieldrin	18 of 129

Detection limits for DDD, DDE, and DDT in all non-detect samples exceeded the 2.5 µg/kg ecological screening value for these compounds. Nevertheless, the detection limits for these three compounds in approximately two-thirds of samples were less than 4 µg/kg, only slightly greater than the screening value. Similarly, the dieldrin detection limit in all non-detect samples exceeded the ecological screening value (0.5 µg/kg) but most dieldrin detection limits ranged from 1 to 2 µg/kg. Detection limits for heptachlor epoxide, chlordane, and isomers of chlordane were generally less than the 100 µg/kg screening value used for these compounds.

Because most detection limits were adequately low or only slightly exceeded screening values and because few detected concentrations of pesticides (except dieldrin) exceeded their conservative ecological screening values, risk posed from these pesticides to soil-dwelling invertebrates is negligible in most samples. The potential risk to soil invertebrates posed by dieldrin is uncertain due to elevated detection limits (relative to U.S. EPA Region IV ecological screening values) and to a paucity of alternate

screening guidelines. It must be assumed however, that dieldrin poses potential risk to soil invertebrates in some samples.

Food-chain HQs for dieldrin for the shrew and for dieldrin, DDE, and DDT for the mockingbird exceeded 1.0 using maximum concentrations (Table 6-17). Using average concentrations, DDE and DDT food-chain HQs for the mockingbird were greater than 1.0, and the dieldrin food-chain HQs were less than 1.0 for the shrew (Table 6-22). Because insectivorous mammals forage within rather small areas, the HQs in Table 6-17 suggest that pesticides pose potential risk to these receptors in areas where concentrations are highest. Birds forage over larger areas and could be exposed to multiple areas represented by elevated samples.

In summary, concentrations of dieldrin in wooded areas might pose risk to soil invertebrates. Concentrations of other pesticides in a few wooded area samples pose negligible potential risk to soil invertebrates. Pesticide concentrations pose potential risk to vermivorous mammals and birds in the vicinity of a few samples.

Arsenic

The maximum detected concentration was 9.58 mg/kg, which is less than the ecological screening value (Table 6-10). Thus, potential arsenic-related toxicity to plants and soil invertebrates is negligible, and potential food-chain risk to upper-level receptors from arsenic is assumed to be negligible.

Aquatic Habitats

Groundwater

Groundwater samples were collected from six monitoring wells at PSC 51 and analyzed for pesticides and arsenic. Groundwater analytical results are shown in Table 5-7. Dieldrin was detected in two samples at a maximum concentration of 0.0027 µg/L (CEF-P51-03S). This concentration is slightly greater than the ecological screening level for surface water (0.0019 µg/L) and was collected in a monitoring well in very close proximity to a small pond in the northern portion of the site (Figure 4-2). Dieldrin was not detected in two surface water samples collected in the pond (CEF-SW-004 and CEF-SW-005) or in the nearest surface water samples downstream from the pond (CEF-SW-006, CEF-SW-007, CEF-SW-008, and CEF-SW-009) (Figure 4-2 and Table 5-6). Similarly, dieldrin was not detected in surface water samples near the location of groundwater sample CEF-P51-01S, where dieldrin was detected at 0.0012 µg/L. In summary, data indicate minimal soil-to-groundwater migration and minimal groundwater-to-surface water migration.

Surface Water

Dieldrin was detected in 2 of 27 surface water samples, and arsenic was detected in 4 of 26 surface water samples (Tables 5-6 and 6-11). The ecological screening value for dieldrin (0.0019 µg/L) was exceeded only in surface water sample SW-019 (0.0084 µg/L), which was collected in a wet-weather ditch in the central portion of the site (Figure 6-4). Dieldrin was not detected in surface water samples downstream from this sample.

The FDEP ecological screening value for arsenic (50 µg/L) was exceeded in two surface water samples SW-027 (509 µg/L) and SW-020 (71.5 µg/L) (Figure 6-4). Arsenic was not detected in sample SW-028 (detection limit = 3.2 µg/L), which was collected at the opposite end of the same pond where the sample with 509 µg/L was measured (Figure 4-3). The elevated arsenic concentration in SW-027 might have been due to suspended solids in this unfiltered water sample, but no information is available to support or refute this speculation. The maximum arsenic HQ would be 2.7 based on the U.S. EPA Region IV ecological screening value for arsenic (190 µg/L).

Sediment

Pesticides exceeded their respective ecological screening values in 9 of 28 sediment samples (Figure 6-4). There was no FDEP or U.S. EPA Region IV ecological screening value for aldrin, which was detected only in the duplicate of sample SD-011 (1.8 µg/kg). Aldrin detection limits in the non-detect samples ranged from 2.0 to 3.2 µg/kg (Table 5-5).

Concentrations of chlordane and its alpha and gamma isomers were elevated in sediment sample SD-002, collected in Rowell Creek near the northern boundary of the golf course. These chemicals were not detected in any of six other sediment samples in Rowell Creek collected downstream from this location.

Pesticides were not detected in sediments collected from any of the three ponds at PSC 51 (Figures 4-3 and 6-4). However, sediment pesticide concentrations exceeded their ecological screening values in some ditch samples, as summarized below.

Number of Sediment Samples with Concentrations of Pesticides Greater than Ecological Screening Values

Pesticide	Number of Samples
DDD	3 of 28 samples
DDE	5 of 28 samples
alpha-Chlordane	7 of 28 samples
Chlordane	7 of 28 samples
gamma-Chlordane	7 of 28 samples
Dieldrin	4 of 28 samples

Sediment pesticide concentrations were especially elevated in sample CEF-P51-SD-013 (Figure 6-4). This sample is the farthest downstream sample within the channelized ditch located in the southern portion of the site. Pesticides were not detected in sample CEF- P51-SD-012, the Rowell Creek sample a short distance downstream from the outlet of this ditch into the creek, or in CEF- P51-SD-014, the ditch sample located immediately upstream from CEF- P51-SD-013.

The maximum sediment HQs for chlordane (208), alpha-chlordane (29.2), gamma-chlordane (26.0), and dieldrin (190) are based on the U.S. EPA Region IV ecological screening values. As shown in Table 6-12, the maximum screening HQs for chlordane and its alpha and gamma isomers, based on FDEP's Threshold Effects Levels (TELs), are approximately one-fifth as much as the HQs based on U.S. EPA's screening values. The maximum HQ for dieldrin would be 5.3 using the TEL as a screening value. Chlordane concentrations exceeded the probable effects level (PEL) of 4.79 µg/kg in all samples in which it was detected. Chlordane detection limits in non-detect samples were approximately 20 to 30 µg/kg (Table 5-5). Detection limits for alpha- and gamma-chlordane were approximately 4 to 6 µg/kg, and dieldrin detection levels were approximately 2 to 3 µg/kg. DDD and DDE detection levels were approximately 4 to 5 µg/kg.

Summary of Potential Risk from Groundwater, Surface Water, and Sediment Contaminants

Groundwater data indicate minimal soil-to-groundwater migration and minimal groundwater-to-surface water migration of contaminants. Surface water data indicate negligible risk from pesticides. Arsenic was detected in 4 of 26 surface water samples and was elevated in only one surface water sample. Potential risk posed by arsenic in surface water is minimal (at worst) based on its generally low concentrations.

Sediment data indicate that pesticides pose negligible risk to receptors in ponds at the site or in Rowell Creek. Potential risk to sediment invertebrates is limited to the ditches in the south-central portion of the site where pesticides were elevated in some samples. There is some uncertainty associated with the degree of potential risk due to the wide range of alternate guidelines (Appendix D-2) and due to elevated

detection limits in some sediment samples. Potential risk appears to be limited to disjunct areas because pesticides were not detected in some ditch samples.

Potential risk to upper-level aquatic and semi-aquatic receptors via the food chain was not investigated using typical food-chain modeling for the following reasons. Concentrations of surface water and sediment contaminants were elevated in only a few samples. Most of these samples were located within ditches that are often dry and/or provide limited opportunity for use by upper-level aquatic and semi-aquatic receptors. Potential risk via the food chain however, is the result of foraging over large areas rather than in the vicinity of a few isolated samples. Furthermore, previous ecological risk assessments at NAS Cecil Field using a variety of representative ecological receptors have shown that significant risk via the food chain does not occur at the concentrations measured at Site 51.

6.2.4 Uncertainties

6.2.4.1 Uncertainty in the Preliminary Problem Formulation

Representative species used in the food-chain modeling included some species with home ranges much larger than the areas being investigated. However, the resulting overestimate of potential risks was partially mitigated by applying area-use factors.

6.2.4.2 Uncertainty in the Ecological Effects Characterization

Laboratory-derived NOAELs and LOAELs may not adequately represent toxicity thresholds for receptors under field conditions. In addition, NOAELs and LOAELs derived for species used in toxicity tests may not adequately represent toxicity thresholds for other species. These uncertainties may overestimate or underestimate potential risks.

Data for investigating toxicity to reptiles and amphibians from oral ingestion of contaminants are sparse. Thus, potential risks via the food chain were not evaluated for reptiles and amphibians.

Some contaminants were present for which no suitable toxicity guidelines were available.

6.2.4.3 Uncertainty in the Exposure Assessment

The dermal exposure for upper-level receptors was not evaluated, potentially underestimating risks. However, this exposure route is usually miniscule.

Literature-based bioaccumulation factors used in food-chain modeling often vary between species and sites. This can overestimate or underestimate potential risks.

Uncertainty in the assessment of exposure at PSC 51 results from the division of soil data into five separate data sets (tees, greens, fairways, rough, and wooded areas). Ecological risk from surface soil contaminants was evaluated separately for each of these data sets. However, upper-level receptors such as birds and mammals will not be exposed exclusively to any single habitat type and will typically forage within multiple habitats. In order to reduce the uncertainty associated with dividing the soil data into five separate data sets, risk was also evaluated by calculating site-wide HQs for the receptors with the greatest risk via the food chain. The results of this evaluation are summarized in Table 6-23 and are discussed below.

The HQ values for tees, greens, fairways, rough, and wooded areas shown in Table 6-23 were obtained from Tables 6-18 through 6-22. The HQ values for "all areas combined" in Table 6-23 were generated by summing the food chain NOAEL-based HQs for each habitat type using the proportion of the site that is covered by each habitat type as weighting factors.

Vermivorous birds

As shown in Table 6-23, the HQ for DDR (defined as the sum of DDT, DDD, and DDE) is greater than 1.0 for the mockingbird. The ecological concern regarding DDR exposure in birds is reduced hatchability due to eggshell thinning and subsequent egg breakage during incubation. The NOAEL typically used to calculate HQs for DDR in birds (and used in this ecological risk assessment) is 0.0028 mg/kg/day and is based on a field study of brown pelicans (Table D-1, Appendix D). Other studies suggest that higher exposures are required to produce eggshell thinning in smaller birds. The dietary NOAEL in laboratory studies using American kestrels (*Falco sparverius)* was 1.13 mg/kg (Lincer, 1975). Based on a body weight of 117 g (Dunning, 1993) and food consumption of 0.02 kg/day (dry weight), the NOAEL-based TRV would be 0.19 mg/kg/day [(1.13 × 0.02) ÷ 0.117]. This NOAEL is 68 times greater than the NOAEL of 0.0028 mg/kg/day from the pelican study. Using the kestrel-derived TRV, the DDR HQ for "all areas combined" in Table 6-23 would be 0.3 (1/68 of 22.0), indicating that risk to terrestrial birds from exposure to DDR is negligible over the site as a whole.

The 0.02 kg/day food consumption rate mentioned above for the American kestrel was based on the energy requirements (341 kJ/day) of the closely related Eurasian kestrel (*Falco tinnunculus*) assuming an energy density for the kestrel diet of 17 kJ/g (Nagy, et al., 1999). U.S. EPA's (1993) *Wildlife Exposure Factors Handbook* provides a summary of several studies that show that American kestrels consume up to 0.31 g food (fresh weight)/g body weight/day. Based on a moisture content of 68 percent in kestrel prey items (insects, mice, voles, lizards) (U.S. EPA, 1993), a 117 g kestrel would consume 0.012 kg/day (dry weight). Using this food consumption value, the NOAEL-based TRV would be 0.116 mg/kg/day [(1.13 × 0.012) ÷ 0.117]. This NOAEL is 41 times greater than the NOAEL of 0.0028 mg/kg/day from the

pelican study. Using this TRV, the DDR HQ for "all areas combined" in Table 6-23 would be 0.5 (1/41 of 22.0). Thus, either of the above two food consumption values (20 g/day or 12 g/day) would result in a TRV that indicates negligible risk to terrestrial birds from exposure to DDR over the site as a whole.

Vermivorous Mammals

Dieldrin and arsenic HQs exceed 1.0 for the shrew (Table 6-23) but were relatively low (dieldrin HQ = 2.0, arsenic HQ = 1.5). The HQs in Table 6-23 are based on NOAELs; LOAEL-based HQs for the shrew for dieldrin and arsenic would be one-tenth of the values shown Table 6-23. In view of the conservative assumptions inherent in the food chain modeling, the relatively low HQs suggest that adverse effects to vermivorous receptors represented by the shrew are unlikely over the site as a whole.

In summary, the uncertainty associated with dividing the soil data into five separate data sets was mitigated by the evaluation summarized in Table 6-23, which indicates that risk to vermivorous mammals and birds over the site as a whole appears to be negligible. Potential risk to carnivores represented by the fox and red-tailed hawk over the site as a whole would also be negligible because food chain HQs for the fox and hawk were less than for the shrew and mockingbird (See Tables 6-18 through 6-22).

6.2.4.4 Uncertainty in the Risk Characterization

This uncertainty results from the combination of the above uncertainties. For example, the assessment of risks to upper-level receptors via the food chain is hindered by uncertainties such as the derivation of the TRVs, the process used to derive bioaccumulation factors, and the choice of the best species to represent mammal and bird receptors. A weight-of-evidence approach to assess risks was used to reduce the overall uncertainty in these situations.

Uncertainty in risk characterization also results from the lack of data regarding the toxicity of multiple chemicals. For example, soil concentrations of pesticides were elevated at numerous locations. When assessed individually, concentrations of these contaminants can appear to pose negligible or minor potential risks to ecological receptors. The extent to which these same concentrations might contribute to cumulative toxicity is uncertain.

6.2.5 Summary and Conclusions

Organochlorine insecticides and a few metals (primarily arsenic) were detected at PSC 51 in surface water, sediment, and surface soil samples at concentrations that exceeded U.S. EPA Region IV and/or FDEP ecological screening values. Many organochlorine insecticides were formerly routinely used on

golf courses, but most were banned in the United States in the 1970s. No organochlorine insecticides are currently used at PSC 51, but they are known to be extremely persistent in soil and sediment.

Surface water contaminants pose negligible risk at PSC 51. Potential risk posed by sediment contaminants is limited to pesticides in a few samples collected in ditches and one sample in Rowell Creek, where potential risk is limited to sediment invertebrates. Sediment data indicate that pesticides pose no risk to receptors in ponds at the site or in other Rowell Creek samples.

Pesticides in surface soils pose potential risk to soil invertebrates in numerous samples. Elevated pesticide concentrations are primarily on tees and greens.

Risk to upper level receptors such as birds and mammals is dependent on the extent to which foraging occurs within the areas of greatest contamination. Birds and mammals will typically forage within multiple habitats, and food chain HQs suggest that risk to mammals and birds over the site as a whole is negligible.

TABLE 6-1

STATISTICAL SUMMARY
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

4,4'-DDE	SAMPLES	MEAN CONCENTRATION (UG/KG)	STANDARD DEVIATION (UG/KG)
FAIRWAY	27	7.04	7.36
GREEN	31	344	266
ROUGH	87	12.7	40.6
TEE	62	75.4	152.3
WOODED	129	5.91	7.01

CHLORDANE	SAMPLES	MEAN CONCENTRATION (UG/KG)	STANDARD DEVIATION (UG/KG)
FAIRWAY	27	77.6	164
GREEN	28	30,351	28,415
ROUGH	82	95.4	288
TEE	59	1,974	7,164
WOODED	122	37.6	60.4

4,4'-DDT	SAMPLES	MEAN CONCENTRATION (UG/KG)	STANDARD DEVIATION (UG/KG)
FAIRWAY	27	34.8	30.0
GREEN	31	439	443
ROUGH	87	38.4	43.2
TEE	62	78.7	157
WOODED	129	35.9	31.5

DIELDRIN	SAMPLES	MEAN CONCENTRATION (UG/KG)	STANDARD DEVIATION (UG/KG)
FAIRWAY	27	39.4	54.1
GREEN	31	263	257
ROUGH	87	42.7	111
TEE	63	656	1319
WOODED	129	12.8	67.2

ARSENIC	SAMPLES	MEAN CONCENTRATION (MG/KG)	STANDARD DEVIATION (MG/KG)
FAIRWAY	27	5.58	4.53
GREEN	26	16.8	14.7
ROUGH	88	2.30	2.92
TEE	60	5.45	4.24
WOODED	129	0.37	0.85

HEPTACHLOR EPOXIDE	SAMPLES	MEAN CONCENTRATION (UG/KG)	STANDARD DEVIATION (UG/KG)
FAIRWAY	27	3.56	3.63
GREEN	31	256	261
ROUGH	87	4.69	6.45
TEE	62	39.5	79.4
WOODED	129	3.25	5.28

TABLE 6-2

SUMMARY OF RISKS FOR GREENS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Type of Risk	Value
Minimum Risk	6.4×10^{-7}
Maximum Risk	1.4×10^{-4}
98.3th Percentile	1.0×10^{-4}
95th Percentile	8.5×10^{-5}
90th Percentile	6.1×10^{-5}
50th Percentile	3.4×10^{-5}
Average Risk	3.7×10^{-5}

TABLE 6-3

SUMMARY OF RISKS FOR EACH CATEGORY
POTENTIAL SOURCE OF CONTAMINATION 51- GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Category	95th %ile	90th %ile	50th %ile	Minimum	Maximum	Average
Greens	8.5×10^{-5}	6.1×10^{-5}	3.4×10^{-5}	6.4×10^{-7}	1.4×10^{-4}	3.7×10^{-5}
Tees	5.6×10^{-5}	3.9×10^{-5}	1.1×10^{-5}	2.8×10^{-7}	1.5×10^{-4}	1.7×10^{-5}
Fairways	1.9×10^{-5}	1.8×10^{-5}	6.3×10^{-6}	5.7×10^{-7}	2.3×10^{-5}	7.6×10^{-6}
Rough	1.1×10^{-5}	9.2×10^{-6}	1.9×10^{-6}	2.1×10^{-7}	2.9×10^{-5}	3.6×10^{-6}
Woods	1.6×10^{-6}	9.7×10^{-7}	3.8×10^{-7}	2.1×10^{-7}	1.5×10^{-5}	6.9×10^{-7}

TABLE 6-4

DISTRIBUTION OF CATEGORIES
POTENTIAL SOURCE OF CONTAMINATION 51- GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Category	Acres	% Area
Greens	2.5	1
Tees	2.3	1
Fairways	26	10
Rough	87	34
Woods	139	54

TABLE 6-5

RESIDENTIAL RISKS ACROSS GOLF COURSE
POTENTIAL SOURCE OF CONTAMINATION 51- GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Type of Risk	Value
Minimum Risk	2.1×10^{-7}
Maximum Risk	1.2×10^{-4}
99.99th Percentile	1.0×10^{-4}
95th Percentile	1.6×10^{-5}
90th Percentile	1.2×10^{-5}
50th Percentile	9.2×10^{-7}
Average Risk	4.0×10^{-6}

TABLE 6-6

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE SOILS - TEES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection[1]	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value[2]	HQ
Pesticides (ug/kg)								
4,4'-DDE	21/62	1.7	418	81.2	75	CEF-P51-SS-T06B-01	2.5[3]	**167**
4,4'-DDT	8/62	3.1	140	53.8	78	CEF-P51-SS-T10B-01	2.5[3]	**56**
ALPHA-CHLORDANE	43/62	3.1	5870	355	249	CEF-P51-SS-T06B-01	100[4]	**58.7**
CHLORDANE	38/59	26.8	53400	2862	1974	CEF-P51-SS-T06B-01	100[4]	**534**
DIELDRIN	57/63	0.99	7640	724	656	CEF-P51-SS-T06R-01	0.5	**15280**
GAMMA-CHLORDANE	43/62	1.9	6030	327	230	CEF-P51-SS-T06B-01	100[4]	**60.3**
HEPTACHLOR EPOXIDE	18/62	1.4	231	44.5	39.5	CEF-P51-SS-T06B-01	100[4]	**2.31**
TOXAPHENE	5/62	1500	10300	6516	3971	CEF-P51-SS-T13B-01	100[4]	**103**
Inorganics (mg/kg)								
ARSENIC	57/60	0.67	17	5.7	5.5	CEF-P51-SS-T07B-01	10	**1.7**
VANADIUM	1/1	1.7	1.7	1.7	1.7	CEF-P21-SS-009-01	2	0.85

1 The maximum detected concentration was used for screening purposes.
2 U.S. EPA Region IV Screening Values (U.S. EPA, 1999).
3 Value is for total of DDT, DDE, and DDD.
4 Value based on organochlorinated pesticides.

Shading indicates that the chemical was retained as a COPC and the Hazard Quotient (HQ) was greater than 1.0.

TABLE 6-7

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE SOIL - GREENS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection[1]	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value[2]	HQ
Pesticides (ug/kg)								
4,4'-DDD	1/31	325	325	325	382	CEF-P51-SS-G11-01	2.5[3]	**130**
4,4'-DDE	16/31	43.7	858	420	344	CEF-P51-SS-G18-01	2.5[3]	**343**
4,4'-DDT	3/31	197	944	568	439	CEF-P51-SS-G12-01	2.5[3]	**378**
ALPHA-CHLORDANE	28/31	3.6	13100	3982	3596	CEF-P51-SS-G18-01	100[4]	**131**
CHLORDANE	23/28	5890	102000	36927	30351	CEF-P51-SS-G02-01	100[4]	**1020**
DIELDRIN	21/31	2.5	1110	320	263	CEF-P51-SS-014-01	0.5	**2220**
GAMMA-CHLORDANE	28/31	1.5	14100	4064	3671	CEF-P51-SS-G18-01	100[4]	**141**
HEPTACHLOR EPOXIDE	14/31	46	1070	412	256	CEF-P51-SS-G12-01	100[4]	**10.7**
Inorganics (mg/kg)								
ARSENIC	25/26	1.7	64.8	17	17	CEF-P51-SS-014-01	10	**6.5**

1 The maximum detected concentration was used for screening purposes.
2 U.S. EPA Region IV Screening Values (U.S. EPA, 1999).
3 Value is for total of DDT, DDE, and DDD.
4 Value based on organochlorinated pesticides.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.

TABLE 6-8

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE SOIL - FAIRWAYS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection[1]	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value[2]	HQ
Pesticides (ug/kg)								
4,4'-DDD	1/27	0.77	0.77	0.77	7.1	CEF-P51-SS-270-01	2.5[3]	0.31
4,4'-DDE	4/27	0.41	3.3	1.51	7.0	CEF-P51-SS-175-01	2.5[3]	**1.32**
ALDRIN	1/27	5.7	5.7	5.7	3.7	CEF-P51-SS-118-01	2.5	**2.28**
ALPHA-CHLORDANE	9/27	1.6	112	20.3	11.6	CEF-P51-SS-228-01	100[4]	**1.12**
CHLORDANE	5/27	22.5	874	239	78	CEF-P51-SS-228-01	100[4]	**8.7**
DIELDRIN	25/27	0.86	209	42.2	39.4	CEF-P51-SS-223-01	0.5	**418**
GAMMA-CHLORDANE	7/27	1.1	51.8	9.9	8.2	CEF-P51-SS-228-01	100[4]	0.52
HEPTACHLOR EPOXIDE	2/27	1.3	9.3	5.3	3.6	CEF-P51-SS-228-01	100[4]	0.09
Inorganics (mg/kg)								
ARSENIC	22/27	1.6	15.8	6.7	5.6	CEF-P51-SS-262-01	10	**1.6**

1 The maximum detected concentration was used for screening purposes.
2 U.S. EPA Region IV Screening Values (U.S. EPA, 1999).
3 Value is for total of DDT, DDE, and DDD.
4 Value based on organochlorinated pesticides.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.

TABLE 6-9

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE SOIL - ROUGH
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection[1]	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value[2]	HQ
Herbicides (ug/kg)								
PENTACHLOROPHENOL	1/7	33.5	33.5	34	40	CEF-P51-SS-016-01	2	16.8
Pesticides (ug/kg)								
4,4'-DDD	1/87	84.5	84.5	85	9	CEF-P51-SS-177-01	2.5[3]	**34**
4,4'-DDE	14/87	0.82	377	36	13	CEF-P51-SS-177-01	2.5[3]	**151**
4,4'-DDT	4/87	7.1	311	87	38	CEF-P51-SS-177-01	2.5[3]	**124**
ALDRIN	1/87	5.2	5.2	5	5	CEF-P51-SS-181-01	2.5	**2.08**
ALPHA-CHLORDANE	18/87	1.2	226	36	14	CEF-P51-SS-243-01	100[4]	**2.3**
CHLORDANE	12/82	15.5	2340	387	95	CEF-P51-SS-243-01	100[4]	**23.4**
DIELDRIN	40/87	0.9	621	88	43	CEF-P21-SS-105-01	0.5	**1242**
GAMMA-CHLORDANE	15/87	1.2	92.4	23	11	CEF-P51-SS-243-01	100(4)	0.9
HEPTACHLOR EPOXIDE	1/87	19.6	19.6	20	5	CEF-P51-SS-176-01	100(4)	0.2
TOXAPHENE	2/87	863	2100	1482	466	CEF-P21-SS-013-01	100[4]	**21**
Polychlorinated Biphenyls (PCBs) (ug/kg)								
AROCLOR-1254	1/3	1068	1068	1068	468	CEF-P21-SS-013-01	20[5]	**53**
Inorganics (mg/kg)								
ALUMINUM	1/1	2080	2080	2080	2080	CEF-P21-SS-013-01	50	**42**
ARSENIC	37/88	0.39	16	5	2	90S00301	10	**1.6**
BARIUM	1/1	11	11	11	11	CEF-P21-SS-013-01	165	0.07
CADMIUM	1/1	0.62	0.62	1	1	CEF-P21-SS-013-01	1.6	0.39
CHROMIUM	1/1	14.6	14.6	15	15	CEF-P21-SS-013-01	0.4	**36.5**
COPPER	1/1	8.15	8.15	8	8	CEF-P21-SS-013-01	40	0.20
IRON	1/1	544	544	544	544	CEF-P21-SS-013-01	200	**2.7**
LEAD	1/1	9.45	9.45	9	9	CEF-P21-SS-013-01	50	0.2
MANGANESE	1/1	15.2	15.2	15	15	CEF-P21-SS-013-01	100	0.15
MERCURY	1/1	0.075	0.075	0.075	0.075	CEF-P21-SS-013-01	0.67	0.11
NICKEL	1/1	1.24	1.24	1	1	CEF-P21-SS-013-01	30	0.04
SILVER	1/1	0.3	0.3	0	0.3	CEF-P21-SS-013-01	2.0	0.15
VANADIUM	2/2	1.4	2	2	2	CEF-P21-SS-013-01	2.0	1.00
ZINC	1/1	10.85	10.85	11	11	CEF-P21-SS-013-01	50	0.22

1 The maximum detected concentration was used for screening purposes.
2 U.S. EPA Region IV Screening Values (U.S. EPA, 1999).
3 Value is for total of DDT, DDE, and DDD.
4 Value based on organochlorinated pesticides.
5 Value based on total PCBs.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.

TABLE 6-10

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE SOIL - WOODED AREAS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection[1]	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value[2]	HQ
Pesticides (ug/kg)								
4,4'-DDE	9/129	0.86	15.9	5	6	CEF-P51-SS-106-01	2.5[3]	**6.36**
4,4'-DDT	2/129	4.8	10.4	8	36	CEF-P51-SS-001-01	2.5[3]	**4.16**
ALPHA-CHLORDANE	8/129	1.1	84.9	17	7	CEF-P51-SS-106-01	100[4]	0.849
CHLORDANE	3/122	52.4	337	157	38	CEF-P51-SS-292-01	100[4]	**3.37**
DIELDRIN	18/129	1.2	720.45	74	13	CEF-P51-SS-106-01	0.5	**1441**
GAMMA-CHLORDANE	9/129	1.1	66.9	11	6	CEF-P51-SS-106-01	100[4]	0.669
HEPTACHLOR EPOXIDE	1/129	1.4	1.4	1	3	CEF-P51-SS-257-01	100[4]	0.014
Inorganics (mg/kg)								
ARSENIC	8/129	0.5	9.575	2	0.37	CEF-P51-SS-106-01	10	0.9575

1 The maximum detected concentration was used for screening purposes.
2 U.S. EPA Region IV Screening Values (U.S. EPA, 1999).
3 Value is for total of DDT, DDE, and DDD.
4 Value based on organochlorinated pesticides.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.

TABLE 6-11

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SURFACE WATER
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection(1)	Average of Positive Results	Average of All Results	Location of Maximum	Ecological Screening Value	HQ
Pesticides (ug/L)								
DIELDRIN	2/27	0.0019	0.0084	0.0052	0.004	CEF-P51-SW-019	0.0019 [a b]	**4.4**
Inorganics (ug/L)								
ARSENIC	4/26	12.5	509	152	26.6	CEF-P51-SW-027	50 [a] / 190 [b]	**10.2 / 2.7**

1 The maximum detected concentration was used for screening purposes.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.
a = FDEP (1996) Criteria for Class III surface water quality (predominantly fresh water)
b = U.S. EPA Region IV ecological screening value for fresh surface water (U.S. EPA, 2000).

TABLE 6-12

SELECTION OF ECOLOGICAL CHEMICALS OF POTENTIAL CONCERN FOR SEDIMENT
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Frequency of Detection	Minimum Detection	Maximum Detection (1)	Average of All Results	Location of Maximum	Ecological Screening Value	HQ
Pesticides (ug/kg)							
4,4'-DDD	3/28	3.1	8.4	4.9	CEF-P51-SD-015	1.22 [a b]	**6.9**
4,4'-DDE	8/28	1.3	7.3	4.5	CEF-P51-SD-013	2.07 [a b]	**3.5**
ALDRIN	1/28	1.8	1.8	2.4	CEF-P51-SD-011	NA	**NA**
ALPHA-CHLORDANE	8/28	1.7	14.6	5.5	CEF-P51-SD-013	0.5 [a] /2.26 [b]	**29 / 6.5**
CHLORDANE	8/28	18.4	104	31.3	CEF-P51-SD-002	0.5 [a] /2.26 [b]	**208 / 46**
DIELDRIN	4/28	1.1	3.8	2.3	CEF-P51-SD-013	0.02 [a] /0.715 [b]	**190 / 5.3**
GAMMA-CHLORDANE	8/28	2.3	13	5.2	CEF-P51-SD-002, CEF-P51-SD-013	0.5 [a] /2.26 [b]	**26 / 5.8**
Inogranics (mg/kg)							
ARSENIC	2/28	0.51	0.63	0.8	CEF-P51-SD-028	7.24 [a b]	0.09

1 The maximum detected concentration was used for screening purposes.

Shading indicates that the chemical was retained as a COPC and the hazard quotient (HQ) was greater than 1.0.
Maximum hazard quotient = maximum detected value ÷ lowest ecological screening value from U.S. EPA Region IV and FDEP.
a = U.S. EPA Region IV ecological screening value (U.S. EPA, 2000).
b = Threshold effects level (FDEP, 1994).
c = Ecological screening value for chlordane
NA = Ecological screening value not available from EPA Region 4 or FDEP.

TABLE 6-13

TERRESTRIAL WILDLIFE MODEL - MAXIMUM HQs - TEES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDE	6.9E-01	1.4E-01	1.6E+02	1.6E+01	2.1E-02	4.2E-03	5.8E+00	5.8E-01
4,4'-DDT	2.3E-01	4.6E-02	5.4E+01	5.4E+00	4.0E-03	8.1E-04	1.1E+00	1.1E-01
ALPHA-CHLORDANE	1.1E+00	5.6E-01	2.0E+00	3.9E-01	5.2E-03	2.6E-03	1.1E-02	2.1E-03
CHLORDANE	1.0E+01	5.1E+00	1.8E+01	3.6E+00	4.7E-02	2.4E-02	9.8E-02	2.0E-02
DIELDRIN	4.4E+02	4.4E+01	9.4E+01	9.4E+00	2.2E+00	2.2E-01	5.5E-01	5.5E-02
GAMMA-CHLORDANE	1.2E+00	5.8E-01	2.0E+00	4.0E-01	5.3E-03	2.7E-03	1.1E-02	2.2E-03
HEPTACHLOR EPOXIDE	3.4E+00	3.4E-01			1.7E-01	1.7E-02		
TOXAPHENE	2.4E-01	2.4E-02			2.3E-04	2.3E-05		
Inorganics								
ARSENIC	1.7E+01	1.7E+00	6.9E-01	2.3E-01	2.0E-01	2.0E-02	3.5E-03	1.2E-03

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-14

TERRESTRIAL WILDLIFE MODEL - MAXIMUM HQs - GREENS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDD	5.4E-01	1.1E-01	1.2E+02	1.2E+01	4.2E-03	8.4E-04	1.2E+00	1.2E-01
4,4'-DDE	1.4E+00	2.8E-01	3.3E+02	3.3E+01	4.3E-02	8.6E-03	1.2E+01	1.2E+00
4,4'-DDT	1.6E+00	3.1E-01	3.6E+02	3.6E+01	2.7E-02	5.5E-03	7.6E+00	7.6E-01
ALPHA-CHLORDANE	2.5E+00	1.3E+00	4.4E+00	8.7E-01	1.2E-02	5.8E-03	2.4E-02	4.8E-03
CHLORDANE	2.0E+01	9.8E+00	3.4E+01	6.8E+00	9.0E-02	4.5E-02	1.9E-01	3.7E-02
DIELDRIN	6.4E+01	6.4E+00	1.4E+01	1.4E+00	3.2E-01	3.2E-02	8.0E-02	8.0E-03
GAMMA-CHLORDANE	2.7E+00	1.4E+00	4.7E+00	9.4E-01	1.2E-02	6.2E-03	2.6E-02	5.2E-03
HEPTACHLOR EPOXIDE	1.6E+01	1.6E+00			7.7E-01	7.7E-02		
Inorganics								
ARSENIC	6.3E+01	6.3E+00	2.6E+00	8.8E-01	7.6E-01	7.6E-02	1.3E-02	4.4E-03

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-15

TERRESTRIAL WILDLIFE MODEL - MAXIMUM HQs - FAIRWAYS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDD	1.3E-03	2.5E-04	2.9E-01	2.9E-02	9.9E-06	2.0E-06	2.8E-03	2.8E-04
4,4'-DDE	5.4E-03	1.1E-03	1.3E+00	1.3E-01	1.7E-04	3.3E-05	4.6E-02	4.6E-03
ALDRIN	1.7E-02	3.3E-03			8.8E-04	1.8E-04		
ALPHA-CHLORDANE	2.1E-02	1.1E-02	3.7E-02	7.5E-03	9.9E-05	4.9E-05	2.0E-04	4.1E-05
CHLORDANE	1.7E-01	8.4E-02	2.9E-01	5.8E-02	7.7E-04	3.9E-04	1.6E-03	3.2E-04
DIELDRIN	1.2E+01	1.2E+00	2.6E+00	2.6E-01	6.0E-02	6.0E-03	1.5E-02	1.5E-03
GAMMA-CHLORDANE	9.9E-03	5.0E-03	1.7E-02	3.5E-03	4.6E-05	2.3E-05	9.5E-05	1.9E-05
HEPTACHLOR EPOXIDE	1.4E-01	1.4E-02			6.7E-03	6.7E-04		
Inorganics								
ARSENIC	1.5E+01	1.5E+00	6.4E-01	2.1E-01	1.9E-01	1.9E-02	3.2E-03	1.1E-03

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-16

TERRESTRIAL WILDLIFE MODEL - MAXIMUM HQs - ROUGH
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Herbicides								
PENTACHLOROPHENOL	2.6E-02	2.6E-03			1.7E-05	1.7E-06		
Pesticides								
4,4'-DDD	1.4E-01	2.8E-02	3.2E+01	3.2E+00	1.1E-03	2.2E-04	3.0E-01	3.0E-02
4,4'-DDE	6.2E-01	1.2E-01	1.4E+02	1.4E+01	1.9E-02	3.8E-03	5.2E+00	5.2E-01
4,4'-DDT	5.1E-01	1.0E-01	1.2E+02	1.2E+01	9.0E-03	1.8E-03	2.5E+00	2.5E-01
ALDRIN	1.5E-02	3.0E-03			8.0E-04	1.6E-04		
ALPHA-CHLORDANE	4.3E-02	2.2E-02	7.5E-02	1.5E-02	2.0E-04	1.0E-04	4.1E-04	8.3E-05
AROCLOR-1254	3.2E+00	3.2E-01	9.9E-01	9.9E-02	3.3E-02	3.3E-03	1.2E-02	1.2E-03
CHLORDANE	4.5E-01	2.2E-01	7.8E-01	1.6E-01	2.1E-03	1.0E-03	4.3E-03	8.5E-04
DIELDRIN	3.6E+01	3.6E+00	7.6E+00	7.6E-01	1.8E-01	1.8E-02	4.5E-02	4.5E-03
TOXAPHENE	4.8E-02	4.8E-03			4.7E-05	4.7E-06		
Inorganics								
ARSENIC	1.6E+01	1.6E+00	6.5E-01	2.2E-01	1.9E-01	1.9E-02	3.3E-03	1.1E-03
CHROMIUM	8.5E-02	2.1E-02	2.3E-01	4.5E-02	5.6E-02	1.4E-02	1.6E-01	3.3E-02

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-17

TERRESTRIAL WILDLIFE MODEL - MAXIMUM HQs - WOODED AREAS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDE	2.6E-02	5.2E-03	6.1E+00	6.1E-01	8.0E-04	1.6E-04	2.2E-01	2.2E-02
4,4'-DDT	1.7E-02	3.4E-03	4.0E+00	4.0E-01	3.0E-04	6.0E-05	8.3E-02	8.3E-03
CHLORDANE	6.5E-02	3.2E-02	1.1E-01	2.2E-02	3.0E-04	1.5E-04	6.2E-04	1.2E-04
DIELDRIN	4.2E+01	4.2E+00	8.8E+00	8.8E-01	2.1E-01	2.1E-02	5.2E-02	5.2E-03

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-18

TERRESTRIAL WILDLIFE MODEL - AVERAGE HQs - TEES
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDE	1.2E-01	2.5E-02	2.9E+01	2.9E+00	3.8E-03	7.5E-04	1.0E+00	1.0E-01
4,4'-DDT	1.3E-01	2.6E-02	3.0E+01	3.0E+00	2.3E-03	4.5E-04	6.2E-01	6.2E-02
ALPHA-CHLORDANE	4.8E-02	2.4E-02	8.3E-02	1.7E-02	2.2E-04	1.1E-04	4.5E-04	9.1E-05
CHLORDANE	3.8E-01	1.9E-01	6.6E-01	1.3E-01	1.7E-03	8.7E-04	3.6E-03	7.2E-04
DIELDRIN	3.8E+01	3.8E+00	8.0E+00	8.0E-01	1.9E-01	1.9E-02	4.7E-02	4.7E-03
GAMMA-CHLORDANE	4.4E-02	2.2E-02	7.7E-02	1.5E-02	2.0E-04	1.0E-04	4.2E-04	8.4E-05
HEPTACHLOR EPOXIDE	5.8E-01	5.8E-02			2.9E-02	2.9E-03		
TOXAPHENE	9.1E-02	9.1E-03			9.0E-05	9.0E-06		
Inorganics								
ARSENIC	5.4E+00	5.4E-01	2.2E-01	7.5E-02	4.6E-02	4.6E-03	1.9E-04	6.3E-05

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-19

TERRESTRIAL WILDLIFE MODEL - AVERAGE HQs - GREENS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDD	6.3E-01	1.3E-01	1.5E+02	1.5E+01	4.9E-03	9.9E-04	1.4E+00	1.4E-01
4,4'-DDE	5.7E-01	1.1E-01	1.3E+02	1.3E+01	1.7E-02	3.5E-03	4.8E+00	4.8E-01
4,4'-DDT	7.2E-01	1.4E-01	1.7E+02	1.7E+01	1.3E-02	2.5E-03	3.5E+00	3.5E-01
ALPHA-CHLORDANE	6.9E-01	3.4E-01	1.2E+00	2.4E-01	3.2E-03	1.6E-03	6.6E-03	1.3E-03
CHLORDANE	5.8E+00	2.9E+00	1.0E+01	2.0E+00	2.7E-02	1.3E-02	5.5E-02	1.1E-02
DIELDRIN	1.5E+01	1.5E+00	3.2E+00	3.2E-01	7.5E-02	7.5E-03	1.9E-02	1.9E-03
GAMMA-CHLORDANE	7.0E-01	3.5E-01	1.2E+00	2.4E-01	3.2E-03	1.6E-03	6.7E-03	1.3E-03
HEPTACHLOR EPOXIDE	3.8E+00	3.8E-01			1.9E-01	1.9E-02		
Inorganics								
ARSENIC	1.7E+01	1.7E+00	6.9E-01	2.3E-01	1.4E-01	1.4E-02	5.8E-04	1.9E-04

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-20

TERRESTRIAL WILDLIFE MODEL - AVERAGE HQs - FAIRWAYS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDE	1.2E-02	2.3E-03	2.7E+00	2.7E-01	3.5E-04	7.0E-05	9.7E-02	9.7E-03
ALDRIN	1.1E-02	2.2E-03			5.7E-04	1.1E-04		
ALPHA-CHLORDANE	2.2E-03	1.1E-03	3.9E-03	7.7E-04	1.0E-05	5.1E-06	2.1E-05	4.2E-06
CHLORDANE	1.5E-02	7.5E-03	2.6E-02	5.2E-03	6.9E-05	3.4E-05	1.4E-04	2.8E-05
DIELDRIN	2.3E+00	2.3E-01	4.8E-01	4.8E-02	1.1E-02	1.1E-03	2.8E-03	2.8E-04
Inorganics								
ARSENIC	5.5E+00	5.5E-01	2.3E-01	7.6E-02	4.7E-02	4.7E-03	1.9E-04	6.4E-05

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-21

TERRESTRIAL WILDLIFE MODEL - AVERAGE HQs - ROUGH
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Herbicides								
PENTACHLOROPHENOL	3.0E-02	3.0E-03			2.0E-05	2.0E-06		
Pesticides								
4,4'-DDD	1.5E-02	3.0E-03	3.4E+00	3.4E-01	1.2E-04	2.3E-05	3.2E-02	3.2E-03
4,4'-DDE	2.1E-02	4.3E-03	5.0E+00	5.0E-01	6.5E-04	1.3E-04	1.8E-01	1.8E-02
4,4'-DDT	6.3E-02	1.3E-02	1.5E+01	1.5E+00	1.1E-03	2.2E-04	3.0E-01	3.0E-02
ALDRIN	1.5E-02	2.9E-03			7.7E-04	1.5E-04		
ALPHA-CHLORDANE	2.7E-03	1.3E-03	4.7E-03	9.3E-04	1.2E-05	6.2E-06	2.6E-05	5.1E-06
CHLORDANE	1.8E-02	9.1E-03	3.2E-02	6.3E-03	8.4E-05	4.2E-05	1.7E-04	3.5E-05
DIELDRIN	2.5E+00	2.5E-01	5.3E-01	5.3E-02	1.2E-02	1.2E-03	3.1E-03	3.1E-04
TOXAPHENE	1.1E-02	1.1E-03			1.1E-05	1.1E-06		
Polychlorinated Biphenyls (PCBs)								
AROCLOR-1254	1.4E+00	1.4E-01	4.3E-01	4.3E-02	1.4E-02	1.4E-03	5.2E-03	5.2E-04
Inorganics								
ARSENIC	2.0E+00	2.0E-01	8.1E-02	2.7E-02	1.7E-02	1.7E-03	6.9E-05	2.3E-05
CHROMIUM	8.7E-02	2.2E-02	2.3E-01	4.7E-02	1.8E-02	4.5E-03	4.3E-02	8.6E-03

HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-22

TERRESTRIAL WILDLIFE MODEL - AVERAGE HQs - WOODED AREAS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Least Shrew HQ_{NOAEL}	Least Shrew HQ_{LOAEL}	Northern Mockingbird HQ_{NOAEL}	Northern Mockingbird HQ_{LOAEL}	Red Fox HQ_{NOAEL}	Red Fox HQ_{LOAEL}	Red-tailed Hawk HQ_{NOAEL}	Red-tailed Hawk HQ_{LOAEL}
Pesticides								
4,4'-DDE	9.9E-03	2.0E-03	2.3E+00	2.3E-01	3.0E-04	6.0E-05	8.3E-02	8.3E-03
4,4'-DDT	5.9E-02	1.2E-02	1.4E+01	1.4E+00	1.0E-03	2.1E-04	2.9E-01	2.9E-02
CHLORDANE	7.3E-03	3.6E-03	1.3E-02	2.5E-03	3.3E-05	1.7E-05	6.9E-05	1.4E-05
DIELDRIN	7.5E-01	7.5E-02	1.6E-01	1.6E-02	3.7E-03	3.7E-04	9.4E-04	9.4E-05

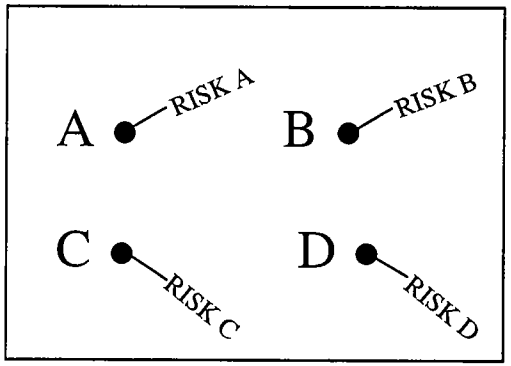
HQ = Hazard Quotient.
Blank space indicates that an HQ could not be calculated because a NOAEL or LOAEL was not available.
Shading indicates an HQ greater than 1.0.
NOAEL - No-observed-adverse-effects level.
LOAEL - Lowest-observed-adverse-effects level.

TABLE 6-23

SUMMARY OF HAZARD QUOTIENTS FOR REPRESENTATIVE VERMIVORES BY HABITAT TYPE AND FOR THE SITE AS A WHOLE
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Management Type (Habitat)	Proportion of Site[1]	COPC	Mockingbird NOAEL HQ	Shrew NOAEL HQ
Tees	1%	DDR[2]	59	0.25
		Chlordanes[3]	0.82	0.47
		Dieldrin	8.0	38
		Heptachlor epoxide		0.58
		Arsenic	0.22	5.4
Greens	1%	DDR[2]	450	1.9
		Chlordanes[3]	12.4	7.2
		Dieldrin	3.2	15
		Heptachlor epoxide		3.8
		Arsenic	0.69	17
Fairways	10%	DDR[2]	2.7	0.01
		Chlordanes[3]	0.03	0.02
		Dieldrin	0.48	2.3
		Heptachlor epoxide		
		Arsenic	0.23	5.5
Rough	34%	DDR[2]	23.0	0.10
		Chlordanes[3]	0.04	0.02
		Dieldrin	0.53	2.5
		Heptachlor epoxide		
		Arsenic	0.08	2.0
Wooded	54%	DDR[2]	16.3	0.07
		Chlordanes[3]	0.01	0.01
		Dieldrin	0.16	0.75
		Heptachlor epoxide		
		Arsenic		
All Areas Combined	100%	DDR[2]	22.0	0.09
		Chlordanes[3]	0.2	0.09
		Dieldrin	0.4	2.0
		Heptachlor epoxide		0.04
		Arsenic	0.06	1.5

Blank spaces indicates that an HQ was not calculated because a NOAEL was not available, or the maximum chemical concentration in soil was less than the ecological screening value.
COPC = Chemical of potential concern.
HQ = Hazard Quotient.
NOAEL = No-observed-adverse-effects level.
1 From Table 6-4.
2 Sum of DDT, DDE, and DDD HQs.
3 Sum of chlordane, alpha-chlordane, and gamma-chlordane HQs.



RANDOM SAMPLING

RISK 1
RISK 2
RISK 30

x_1 = MEAN OF RISKS
$s_{x,1}$ = STANDARD DEVIATION

$$t_1 = \frac{(x_1 - x)}{s_{x,1}}$$

RISK 31
RISK 60
RISK 30,000

x_2 = MEAN OF RISKS
$s_{x,2}$ = STANDARD DEVIATION

$$t_2 = \frac{(x_2 - x)}{s_{x,2}}$$

$$t_{1000} = \frac{(x_{1000} - x)}{s_{x,1000}}$$

SAMPLES

x = MEAN RISK OF GOLF COURSE
s = STANDARD DEVISION OF RISK OF GOLF COURSE
n = NUMBER OF SAMPLES

$\sqrt{n}$

$$\text{RISK} = \left\{ \frac{[As]}{SCTL_{AS}} + \frac{[DDE]}{SCTL_{DDE}} + \frac{[DDT]}{SCTL_{DDT}} + \frac{[chlordane]}{SCTL_{chlordane}} + \frac{[dieldrin]}{SCTL_{dieldrin}} + \frac{[Hept\ Epox]}{SCTL_{Hept\ Epox}} \right\} \times 10^{-6}$$

$$UCL = x + t_{950} s / \sqrt{n}$$

FIGURE 6-1

PROCEDURE FOR CALCULATION OF RISK AT RESIDENTIAL EXPOSURE UNITS
PSC 51, GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

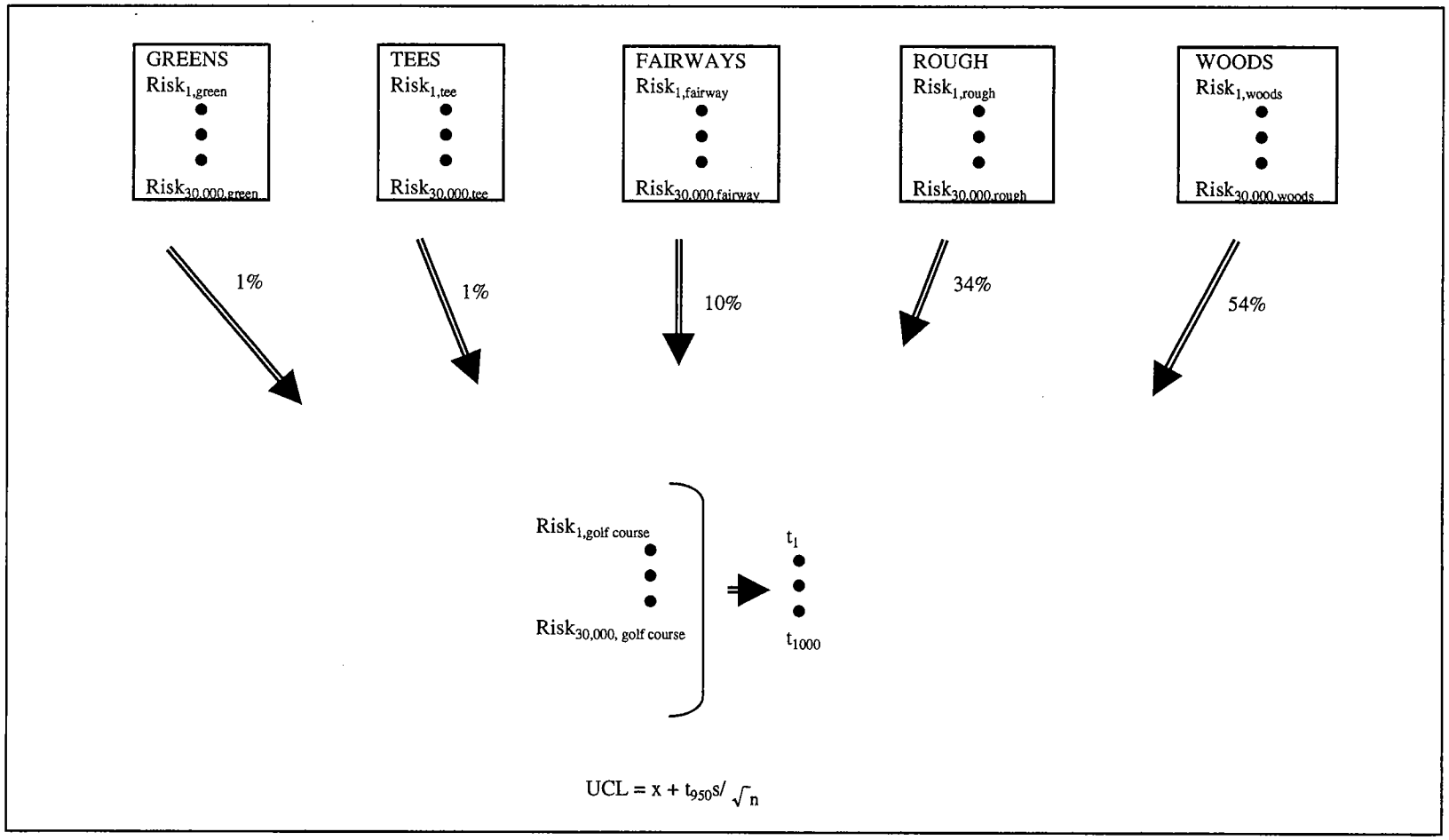
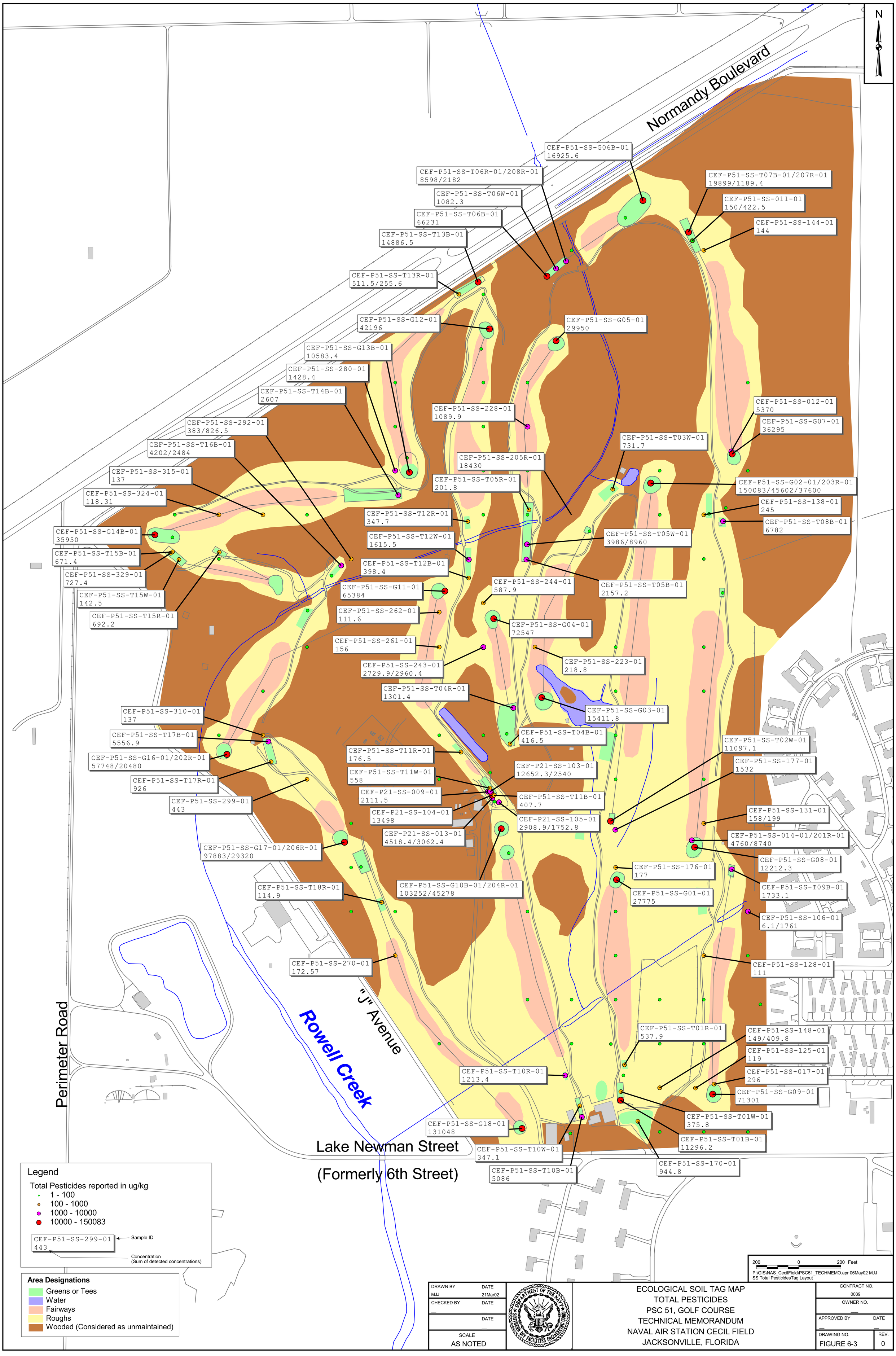
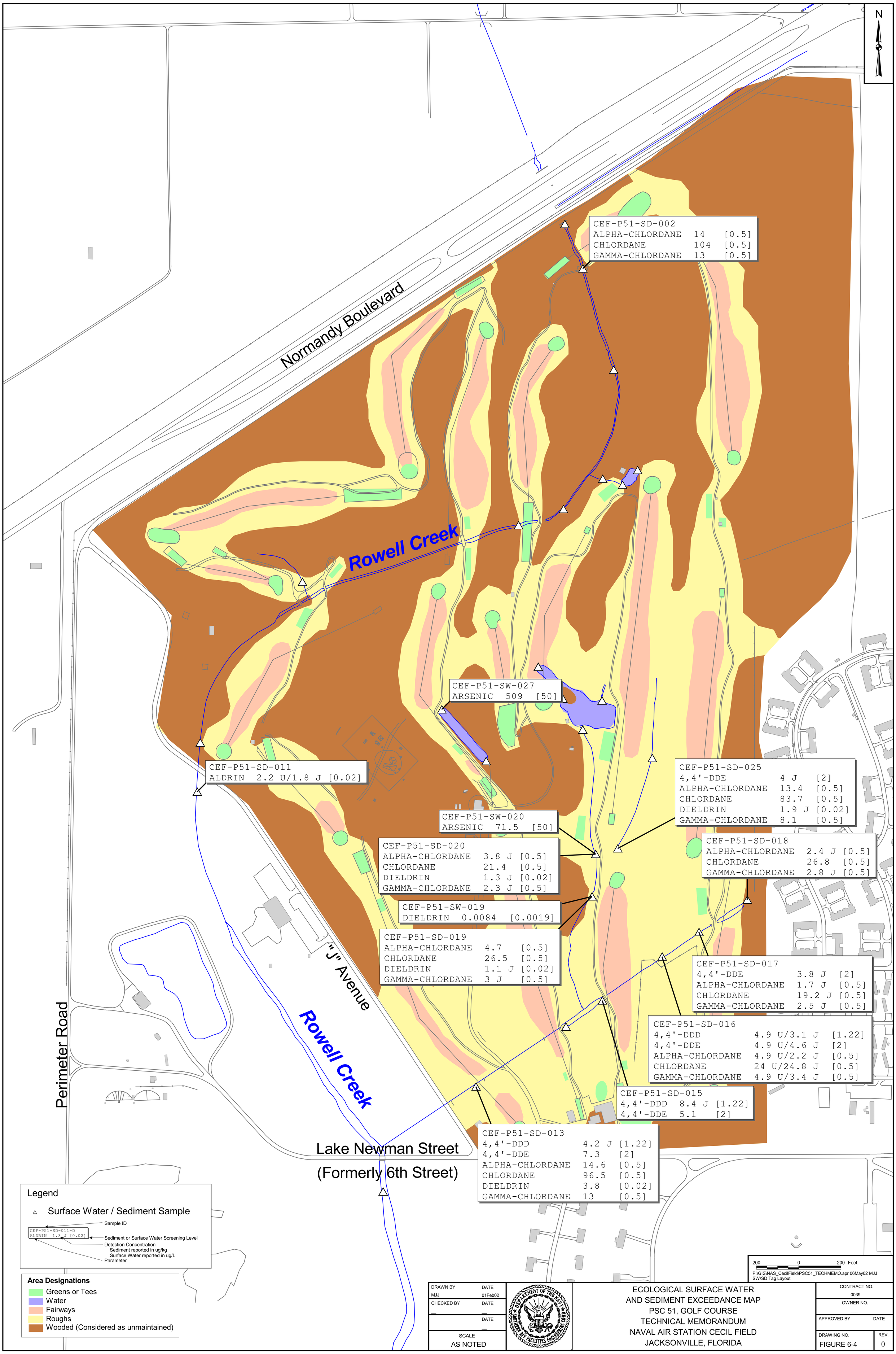


FIGURE 6-2

PROCEDURE FOR CALCULATION OF SITE RISK
PSC 51, GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA


N
Normandy Boulevard
Perimeter Road
"J" Avenue
Rowell Creek
Lake Newman Street
(Formerly 6th Street)
CEF-P51-SS-G06B-01
16925.6
CEF-P51-SS-T06R-01/208R-01
8598/2182
CEF-P51-SS-T06W-01
1082.3
CEF-P51-SS-T06B-01
66231
CEF-P51-SS-T13B-01
14886.5
CEF-P51-SS-T13R-01
511.5/255.6
CEF-P51-SS-G12-01
42196
CEF-P51-SS-G13B-01
10583.4
CEF-P51-SS-280-01
1428.4
CEF-P51-SS-T14B-01
2607
CEF-P51-SS-292-01
383/826.5
CEF-P51-SS-T16B-01
4202/2484
CEF-P51-SS-315-01
137
CEF-P51-SS-324-01
118.31
CEF-P51-SS-G14B-01
35950
CEF-P51-SS-T15B-01
671.4
CEF-P51-SS-329-01
727.4
CEF-P51-SS-T15W-01
142.5
CEF-P51-SS-T15R-01
692.2
CEF-P51-SS-T07B-01/207R-01
19899/1189.4
CEF-P51-SS-011-01
150/422.5
CEF-P51-SS-144-01
144
CEF-P51-SS-G05-01
29950
CEF-P51-SS-228-01
1089.9
CEF-P51-SS-012-01
5370
CEF-P51-SS-G07-01
36295
CEF-P51-SS-T03W-01
731.7
CEF-P51-SS-205R-01
18430
CEF-P51-SS-T05R-01
201.8
CEF-P51-SS-G02-01/203R-01
150083/45602/37600
CEF-P51-SS-138-01
245
CEF-P51-SS-T08B-01
6782
CEF-P51-SS-T12R-01
347.7
CEF-P51-SS-T12W-01
1615.5
CEF-P51-SS-T05W-01
3986/8960
CEF-P51-SS-T12B-01
398.4
CEF-P51-SS-244-01
587.9
CEF-P51-SS-T05B-01
2157.2
CEF-P51-SS-G11-01
65384
CEF-P51-SS-262-01
111.6
CEF-P51-SS-G04-01
72547
CEF-P51-SS-261-01
156
CEF-P51-SS-243-01
2729.9/2960.4
CEF-P51-SS-223-01
218.8
CEF-P51-SS-T04R-01
1301.4
CEF-P51-SS-G03-01
15411.8
CEF-P51-SS-310-01
137
CEF-P51-SS-T17B-01
5556.9
CEF-P51-SS-T04B-01
416.5
CEF-P51-SS-T02W-01
11097.1
CEF-P51-SS-G16-01/202R-01
57748/20480
CEF-P51-SS-T11R-01
176.5
CEF-P51-SS-177-01
1532
CEF-P51-SS-T17R-01
926
CEF-P51-SS-T11W-01
558
CEF-P21-SS-103-01
12652.3/2540
CEF-P51-SS-299-01
443
CEF-P21-SS-009-01
2111.5
CEF-P51-SS-T11B-01
407.7
CEF-P21-SS-104-01
13498
CEF-P21-SS-105-01
2908.9/1752.8
CEF-P51-SS-131-01
158/199
CEF-P21-SS-013-01
4518.4/3062.4
CEF-P51-SS-014-01/201R-01
4760/8740
CEF-P51-SS-G17-01/206R-01
97883/29320
CEF-P51-SS-G08-01
12212.3
CEF-P51-SS-176-01
177
CEF-P51-SS-T18R-01
114.9
CEF-P51-SS-G10B-01/204R-01
103252/45278
CEF-P51-SS-G01-01
27775
CEF-P51-SS-T09B-01
1733.1
CEF-P51-SS-106-01
6.1/1761
CEF-P51-SS-270-01
172.57
CEF-P51-SS-128-01
111
CEF-P51-SS-T01R-01
537.9
CEF-P51-SS-148-01
149/409.8
CEF-P51-SS-125-01
119
CEF-P51-SS-T10R-01
1213.4
CEF-P51-SS-017-01
296
CEF-P51-SS-G09-01
71301
CEF-P51-SS-T01W-01
375.8
CEF-P51-SS-G18-01
131048
CEF-P51-SS-T01B-01
11296.2
CEF-P51-SS-T10W-01
347.1
CEF-P51-SS-170-01
944.8
CEF-P51-SS-T10B-01
5086
Legend
Total Pesticides reported in ug/kg
1 - 100
100 - 1000
1000 - 10000
10000 - 150083
CEF-P51-SS-299-01
443
Sample ID
Concentration
(Sum of detected concentrations)
Area Designations
Greens or Tees
Water
Fairways
Roughs
Wooded (Considered as unmaintained)
200 0 200 Feet
P:\GIS\NAS_CecilField\PSC51_TECHMEMO.apr 06May02 MJJ
SS Total PesticidesTag Layout
DRAWN BY MJJ
DATE 21Mar02
CHECKED BY
DATE
DATE
SCALE
AS NOTED
DEPARTMENT OF THE NAVY
SOUTHERN DIV FACILITIES ENGINEERING COMD
ECOLOGICAL SOIL TAG MAP
TOTAL PESTICIDES
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
CONTRACT NO.
0039
OWNER NO.
APPROVED BY
DATE
DRAWING NO.
FIGURE 6-3
REV.
0



DRAWN BY	DATE
MJJ	01Feb02
CHECKED BY	DATE
	DATE
SCALE	
AS NOTED	

ECOLOGICAL SURFACE WATER
AND SEDIMENT EXCEEDANCE MAP
PSC 51, GOLF COURSE
TECHNICAL MEMORANDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO.	
0039	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO.	REV.
FIGURE 6-4	0

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

Because of human activities on the golf course, the lack of concealing vegetation, and the paucity of invertebrates due to the use of pesticides, PSC 51 offers only a limited terrestrial ecological habitat of marginal quality. Therefore, no remedial action for ecological receptors is warranted.

The risks for hypothetical future residents and the golf course maintenance worker at PSC 51 fall within U.S. EPA's target risk range. Although the maintenance worker's risk marginally exceeds FDEP's target risk of 10^{-6} (1.8×10^{-6}), this risk is not regarded as significant. Therefore, no remedial action for the protection of human health under residential and existing land use scenarios is warranted, in accordance with U.S. EPA's criteria.

7.2 RECOMMENDATIONS

Because contaminant concentrations at PSC 51 do not pose unacceptable human health or ecological risks, no further action is warranted. It is recommended that the color classification of PSC 51 be changed from Gray to Light Green to denote that releases of hazardous substances have occurred but at concentrations that do not require a removal or remedial response. Details of the property transfer and property use restrictions will be described in the Finding of Suitability to Transfer (FOST) document for the Golf Course Parcel.

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Technical Memorandum
for
No Further Action

Facility 239, Potential Source of Contamination 51- Golf Course

Naval Air Station Cecil Field
Jacksonville, Florida

VOLUME II OF III - APPENDICES A AND B.1

Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888

Contract Task Order 0078

May 2002

APPENDIX A

BORING LOGS AND MONITORING WELL CONSTRUCTION INFORMATION

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: 0039
DRILLING COMPANY: PARTRIDGE WELL DRILLERS
DRILLING RIG: B3500

BORING NUMBER: CEF-PSI-MW01S
DATE: 11/21/00
GEOLOGIST: Mervin DALE
DRILLER: Mike Nicholson

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'					BLACK	SILTY FINE SAND	SM	DAMP				
	1-1.5'					GRAY BRN	SILTY FINE SAND	SM	roots, damp				
	1.5-3'					GRAY	SILTY FINE SAND	SM					
	3-3.5'					LT. GRAY	SILTY FINE SAND	SM	DRY				
	3.5-4'					YEL. BRN	SILTY FINE SAND	SM	DRY			0.0	0.0
	4-10'					TAN	SILTY FINE SAND	SM	wet @ 6-7 FT. BLS.				
	10-13'					BLACK	SILTY FINE SAND	SM	wet				
	13-15'					BLACK	SILTY FINE SAND	SM	wet				
							EOB @ 15 FT. BLS						

* 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 X No

Well I.D. #: CEF-PSI-MW01S

Tetra Tech NUS, Inc.

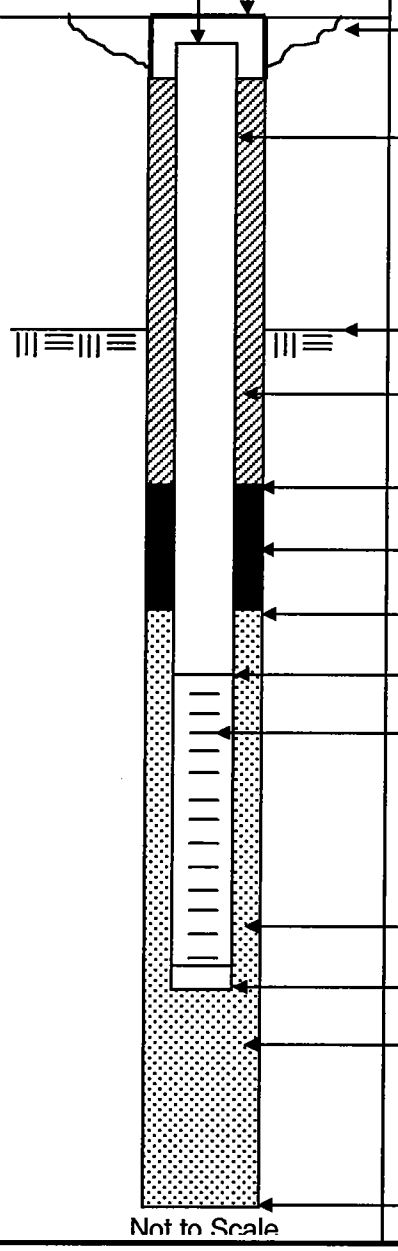
WELL No.: CEF-PS1-MW01S

MONITORING WELL SHEET

PROJECT:	NAS CECIL FIELD	DRILLING Co.:	Partridge	BORING No.:	MW-01S
PROJECT No.:	0039	DRILLER:	M. Nicholson	DATE COMPLETED:	11/21/00
SITE:	PSCS1 Golf Cse	DRILLING METHOD:	Hollow Stem	NORTHING:	
GEOLOGIST:	M. Dale	DEV. METHOD:	Submersible	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 0 FT.

Elevation / Height of Top of Surface Casing: 1 2 IN.

I.D. of Surface Casing: 8 inch

Type of Surface Casing: Steel, boltdown

Type of Surface Seal: Concrete

I.D. of Riser: 2 inch

Type of Riser: Sch. 40, PVC

Borehole Diameter: 9 inch

Elevation / Depth Top of Rock: N/A

Type of Backfill: Portland Cement Type I & II

Elevation / Depth of Seal: 1 2 FT.

Type of Seal: Medium Sand (30/65 grade)

Elevation / Depth of Top of Filter Pack: 1 4 FT.

Elevation / Depth of Top of Screen: 1 5 FT.

Type of Screen: Sch. 40, PVC

Slot Size x Length: 0.010 inch x 10 FT.

I.D. of Screen: 2 inch

Type of Filter Pack: Coarse Sand (20/30 grade)

Elevation / Depth of Bottom of Screen: 1 15 FT.

Elevation / Depth of Bottom of Filter Pack: 1 15 FT.

Type of Backfill Below Well: ~~Coarse Sand (20/30 grade)~~ NATIVE SOIL MD

Elevation / Total Depth of Borehole: 1 15 FT.

Tetra Tech NUS. Inc.
CERTIFICATE OF CONFORMANCE

Well Designation: CEF-PS1-MW01S
Site Name: NAS CECIL FIELD
Date Installed: 11/21/00
Project Name: PSC 51, GOLF CSE

Site Geologist: MERVIN DALE
Drilling Company: PARTRIDGE WELL DRILLERS
Driller: Mike Nicholson
Project Number: N0039

Material	Brand/Description	Source/Supplier	Sample Collected ?
Well Casing	Sch. 40 PVC, 2 IN. DIAM.	ESLON Charlotte, NC	NO
Well Screen	Sch. 40 PVC, 2 IN. DIAM., 0.010 IN. SLOTS	ESLON Charlotte, NC	NO
End Cap	Sch. 40 PVC, 2 IN. DIAM., WELL POINT	ESLON Charlotte, NC	NO
Drilling Fluid	None	—	—
Drilling Fluid Additives	None	—	—
Backfill Material	None	—	—
Annular Filter Pack	SAND 20/30 GRADE	Standard Sand, JAX, FL	NO
~~Bentonite~~ Seal, FINE SAND	SAND 30/65 GRADE	Standard Sand, JAX, FL	NO
Annular Grout	PORTLAND CEMENT, Type I & II	Lehigh Allentown, PA	NO
Surface Cement	QUIKRETE CONCRETE	QUIKRETE COS., ATLANTA, GA	NO
Protective Casing	Steel, boltdown 8 IN. I.D.	PEMCO Hollywood, FL	NO
Paint	None	—	—
Rod Lubricant	None	—	—
Compressor Oil	None	—	—

To the best of my knowledge, I certify that the above described materials were used during installation of this monitoring well.

Signature of Site Geologist: Mervin W Dale

BORING LOG

PROJECT NAME: PSC 51 Pest/Arsen Invest
PROJECT NUMBER: N0239, CECILFIELD
DRILLING COMPANY: PARTRIDGE
DRILLING RIG: B-3500
BORING NUMBER: CEF-P51-MW025
DATE: 11/17/00
GEOLOGIST: L. KNIGHT
DRILLER: PARTRIDGE (MIKE NICHOLSON)

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 GRAY	SAND.. fine & v fine.. roots in upper 8"						
	2-2.5					PALE GRAY	SAND.. fine/v. fine						
	2.5-4					OFF WHITE	SAME AS ABOVE						
	4-6					DK BROWN	AA						
	6-10					YGI/ ORANGE	FINE SAND w/ SOME CLAY						
	10-13					BR/ ORG	v. fine SAND						
	13-16					PALE BR/Y	SAND. very fine & fine						
							END @ 16 FT. BLS						

* 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):

Remarks:

Converted to Well: Yes X No

Well I.D. #: CEF-P51-MW025

Tetra Tech NUS, Inc.

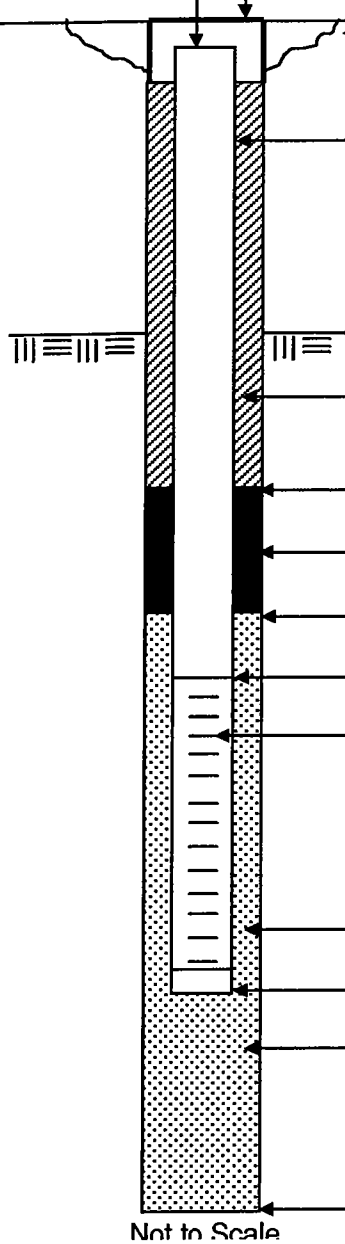
WELL No.: CEF- P51-MW025

MONITORING WELL SHEET

PROJECT:	NAS CECIL FIELD	DRILLING Co.:	Partridge	BORING No.:	MW-02S
PROJECT No.:	0039	DRILLER:	M. NICHOLSON	DATE COMPLETED:	11/17/00
SITE:	GOLF COURSE	DRILLING METHOD:	Hollow Stem	NORTHING:	
GEOLOGIST:	~~M. Dale~~ L. Knight	DEV. METHOD:	Submersible	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 8 FT.

Elevation / Height of Top of Surface Casing: 1 2 inch

I.D. of Surface Casing: 8 inch

Type of Surface Casing: Steel, boltdown

Type of Surface Seal: Concrete

I.D. of Riser: 2 inch

Type of Riser: Sch. 40, PVC

Borehole Diameter: 9 inch

Elevation / Depth Top of Rock: N/A

Type of Backfill: Portland Cement Type I & II

Elevation / Depth of Seal: 13.5'

Type of Seal: Medium Sand (30/65 grade)

Elevation / Depth of Top of Filter Pack: 15.0'

Elevation / Depth of Top of Screen: 16.0'

Type of Screen: Sch. 40, PVC

Slot Size x Length: 0.010 inch x 10 FT.

I.D. of Screen: 2 inch

Type of Filter Pack: Coarse Sand (20/30 grade)

Elevation / Depth of Bottom of Screen: 116.0'

Elevation / Depth of Bottom of Filter Pack: 117.0'

Type of Backfill Below Well: Coarse Sand (20/30 grade)

Elevation / Total Depth of Borehole: 117.0'

Tetra Tech NUS. Inc.
CERTIFICATE OF CONFORMANCE

Well Designation: CEF-PS1-MW02S
Site Name: NAS CECIL FIELD
Date Installed: 11/17/00
Project Name: PSC 51, GOLF CSE

Site Geologist: Louis Knight
Drilling Company: PARTRIDGE WELL DRILLERS
Driller: Mike Nicholson
Project Number: N0039

Material	Brand/Description	Source/Supplier	Sample Collected ?
Well Casing	Sch. 40 PVC, 2 IN. DIAM.	ESLON Charlotte, NC	NO
Well Screen	Sch. 40 PVC, 2 IN. DIAM., 0.010 IN. SLOTS	ESLON Charlotte, NC	NO
End Cap	Sch. 40 PVC, 2 IN. DIAM., WELL POINT	ESLON Charlotte, NC	NO
Drilling Fluid	None	—	—
Drilling Fluid Additives	none	—	—
Backfill Material	none	—	—
Annular Filter Pack	Sand 20/30 GRADE	Standard Sand, JAX, FL	NO
~~Bentonite~~ Seal, FINE SAND	Sand 30/65 GRADE	Standard Sand, JAX, FL	NO
Annular Grout	PORTLAND CEMENT, Type I & II	Lehigh Allentown, PA	NO
Surface Cement	QUIKRETE CONCRETE	QUIKRETE COS., ATLANTA, GA	NO
Protective Casing	Steel, boltdown 8 IN. I.D.	PEMCO Hollywood, FL	NO
Paint	None	—	—
Rod Lubricant	none	—	—
Compressor Oil	None	—	—

To the best of my knowledge, I certify that the above described materials were used during installation of this monitoring well.

Signature of Site Geologist: Louis Knight

BORING LOG

PROJECT NAME: PEST/AS INVESTIGATION, PSC 51
PROJECT NUMBER: N0039, CECIL FIELD
DRILLING COMPANY: PARTRIDGE
DRILLING RIG: B-3500

BORING NUMBER: CEF-P51-MW03S
DATE: ~~11-17-00~~ 11-21-00 MD
GEOLOGIST: ~~L KNIGHT~~ M. DALE MD
DRILLER: M. NICHOLSON

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'					BRN GRAY	SILTY FINE SAND	SM	DRY			0.0	0.0
	2.5-3'					GRAY	SILTY FINE SAND	SM	MOIST				
	3-4'					GRAY	SILTY FINE SAND	SM	wet @ 3.5' BLS			0.0	0.0
	4-9'					GRAY	SILTY FINE SAND	SM	wet				
	9-13'					TAN	SILTY FINE SAND	SM	wet				
							EOB @ 13' BLS.						

* 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 X No

Well I.D. #: CEF-P51-MW03S

Tetra Tech NUS, Inc.

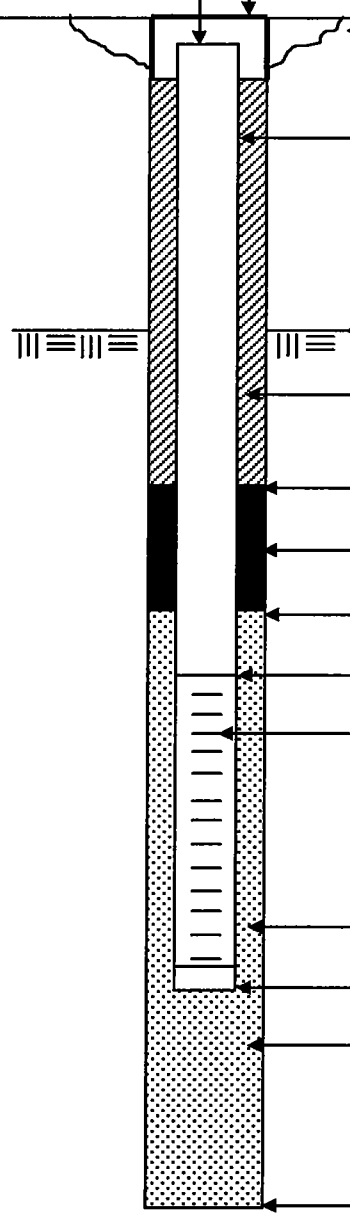
WELL No.: CEF-P51.MW035

MONITORING WELL SHEET

PROJECT:	NAS CECIL FIELD	DRILLING Co.:	Partridge	BORING No.:	MW035
PROJECT No.:	0039	DRILLER:	M. Nicholson	DATE COMPLETED:	11-21-00 MD
SITE:	P51/Golf Course	DRILLING METHOD:	Hollow Stem	NORTHING:	
GEOLOGIST:	M. Dale	DEV. METHOD:	Submersible	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 0 FT.

Elevation / Height of Top of Surface Casing: 1 2 IN.

I.D. of Surface Casing: 8 inch

Type of Surface Casing: Steel, boltdown

Type of Surface Seal: Concrete

I.D. of Riser: 2 inch

Type of Riser: Sch. 40, PVC

Borehole Diameter: 9 inch

Elevation / Depth Top of Rock: N/A

Type of Backfill: Portland Cement Type I & II

Elevation / Depth of Seal: 1 1 FT.

Type of Seal: Medium Sand (30/65 grade)

Elevation / Depth of Top of Filter Pack: 1 2 FT.

Elevation / Depth of Top of Screen: 12.5 FT.

Type of Screen: Sch. 40, PVC

Slot Size x Length: 0.010 inch x 10 FT.

I.D. of Screen: 2 inch

Type of Filter Pack: Coarse Sand (20/30 grade)

Elevation / Depth of Bottom of Screen: 1 12.5 FT.

Elevation / Depth of Bottom of Filter Pack: 1 13 FT.

Type of Backfill Below Well: Coarse Sand (20/30 grade)

Elevation / Total Depth of Borehole: 1 13 FT.

Tetra Tech NUS. Inc.
CERTIFICATE OF CONFORMANCE

Well Designation: CEF-PS1-MW03S
Site Name: NAS CECIL FIELD
Date Installed: 11-21-00
Project Name: PSC 51, GOLF CSE

Site Geologist: MERVIN DALE
Drilling Company: PARTRIDGE WELL DRILLERS
Driller: Mike Nicholson
Project Number: N0039

Material	Brand/Description	Source/Supplier	Sample Collected ?
Well Casing	Sch. 40 PVC, 2 IN. DIAM.	ESLON Charlotte, NC	NO
Well Screen	Sch. 40 PVC, 2 IN. DIAM., 0.010 IN. SLOTS	ESLON Charlotte, NC	NO
End Cap	Sch. 40 PVC, 2 IN. DIAM., WELL POINT	ESLON Charlotte, NC	NO
Drilling Fluid	None	—	—
Drilling Fluid Additives	none	—	—
Backfill Material	none	—	—
Annular Filter Pack	SAND 20/30 GRADE	Standard Sand, JAX, FL	NO
~~Bentonite~~ Seal, FINE SAND	SAND 30/65 GRADE	Standard Sand, JAX, FL	NO
Annular Grout	PORTLAND CEMENT, Type I & II	Lehigh Allentown, PA	NO
Surface Cement	QUIKRETE CONCRETE	QUIKRETE COS., ATLANTA, GA	NO
Protective Casing	Steel, boltdown 8 IN. I.D.	PEMCO Hollywood, FL	NO
Paint	None	—	—
Rod Lubricant	none	—	—
Compressor Oil	none	—	—

To the best of my knowledge, I certify that the above described materials were used during installation of this monitoring well.

Signature of Site Geologist: Mervin W. Dale

BORING LOG

PROJECT NAME: PEST/AS INVESTIGATION
PROJECT NUMBER: 0039 / PSC 51 (Golf Course)
DRILLING COMPANY: PARTRIDGE
DRILLING RIG: B-3500

BORING NUMBER: CEF-P51-MW04S
DATE: 11-17-00
GEOLOGIST: L. KNIGHT
DRILLER: M. NICHOLSON

Sample No. and Type or RQD (From)	Depth (Ft.) or Run No. (To)	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	0.5					GRAY	SAND: FINE & V. FINE						
0.5	3.0					Y/BR	AA						
3.0	3.5					BR/GRAY	SAND: FINE & V. FINE						
3.5	4.0				GRAY	~~Y/BR~~	AA .. SOME YEL/BR						
4.0	14.0				DK BROWN		SAND .. FINE & V. FINE		▼ ~ 5.5' bls				

* 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):

Remarks:

Converted to Well: Yes X No

Well I.D. #: CEF-P51-MW04S

Tetra Tech NUS, Inc.

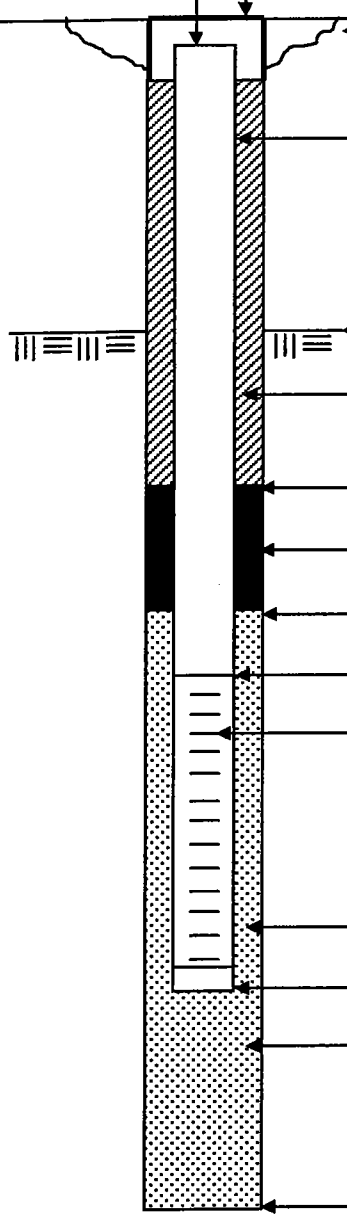
WELL No.: CEF-P51-MW045

MONITORING WELL SHEET

PROJECT:	NAS CECIL FIELD	DRILLING Co.:	Partridge	BORING No.:	MW 045
PROJECT No.:	0039	DRILLER:	M. NICHOLSON	DATE COMPLETED:	11-17-00
SITE:	PSC 51/GOLF COURSE	DRILLING METHOD:	Hollow Stem	NORTHING:	
GEOLOGIST:	~~M. Dale~~ L.K.	DEV. METHOD:	Submersible	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 1 0 FT.

Elevation / Height of Top of Surface Casing: 1 2 IN.

I.D. of Surface Casing: 8 inch

Type of Surface Casing: Steel, boltdown

Type of Surface Seal: Concrete

I.D. of Riser: 2 inch

Type of Riser: Sch. 40, PVC

Borehole Diameter: 9 inch

Elevation / Depth Top of Rock: N/A

Type of Backfill: Portland Cement Type I & II

Elevation / Depth of Seal: 11.5'

Type of Seal: Medium Sand (30/65 grade)

Elevation / Depth of Top of Filter Pack: 12.5'

Elevation / Depth of Top of Screen: 13.5'

Type of Screen: Sch. 40, PVC

Slot Size x Length: 0.010 inch x 10 FT.

I.D. of Screen: 2 inch

Type of Filter Pack: Coarse Sand (20/30 grade)

Elevation / Depth of Bottom of Screen: 113.5'

Elevation / Depth of Bottom of Filter Pack: 115.0'

Type of Backfill Below Well: Coarse Sand (20/30 grade)

Elevation / Total Depth of Borehole: 115.0'

Tetra Tech NUS. Inc.
CERTIFICATE OF CONFORMANCE

Well Designation: CEF-PS1-MW04S
Site Name: NAS CECIL FIELD
Date Installed: 11/17/00
Project Name: PSC 51, GOLF CSE

Site Geologist: Mr Louis Knight
Drilling Company: PARTRIDGE WELL DRILLERS
Driller: Mike Nicholson
Project Number: N0039

Material	Brand/Description	Source/Supplier	Sample Collected ?
Well Casing	Sch. 40 PVC, 2 IN. DIAM.	ESLON Charlotte, NC	NO
Well Screen	Sch. 40 PVC, 2 IN. DIAM., 0.010 IN. SLOTS	ESLON Charlotte, NC	NO
End Cap	Sch. 40 PVC, 2 IN. DIAM., WELL POINT	ESLON Charlotte, NC	NO
Drilling Fluid	None	—	—
Drilling Fluid Additives	None	—	—
Backfill Material	None	—	—
Annular Filter Pack	Sand 20/30 GRADE	Standard Sand, JAX, FL	NO
~~Bentonite~~ Seal, FINE SAND	Sand 30/65 GRADE	Standard Sand, JAX, FL	NO
Annular Grout	PORTLAND CEMENT, Type I & II	Lehigh Allentown, PA	NO
Surface Cement	QUIKRETE CONCRETE	QUIKRETE COS., ATLANTA, GA	NO
Protective Casing	Steel, boltdown 8 IN. I.D.	PEMCO Hollywood, FL	NO
Paint	None	—	—
Rod Lubricant	None	—	—
Compressor Oil	None	—	—

To the best of my knowledge, I certify that the above described materials were used during installation of this monitoring well.

Signature of Site Geologist: Louis Knight

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: 0039
DRILLING COMPANY: PARTRIDGE
DRILLING RIG: B-3500

BORING NUMBER: CEF-P51-MW055
DATE: 11.17.00
GEOLOGIST: L. KNIGHT
DRILLER: M. NICHOLSON

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 GRAY	SAND - fine & V. FINE						
2.5	4.0					LT BR/GRAY	AA						
4.0	7.0					GRAY	SILTY SAND - fine & V. fine SATURATED at ~5'						
7.0	10.0					TAN	AA						
10.0	14.0					TAN	SAND - fine & V. FINE						
							EOB @ 14' BLS						

* 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):

Remarks:

Converted to Well: Yes X No

Well I.D. #: CEF-P51-MW055

Tetra Tech NUS, Inc.

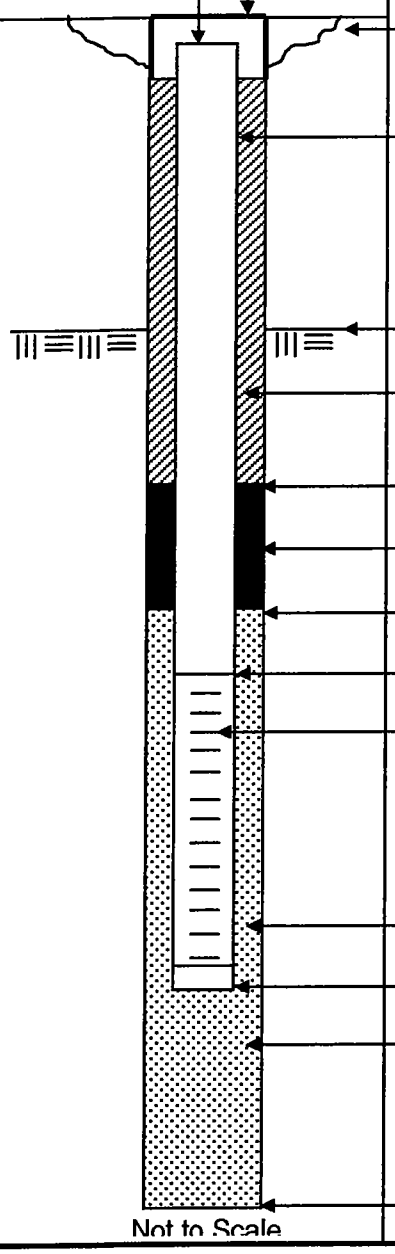
WELL No.: CEF-P51-MW055

MONITORING WELL SHEET

PROJECT:	NAS CECIL FIELD	DRILLING Co.:	Partridge	BORING No.:	MW-055
PROJECT No.:	0039	DRILLER:	M. NICHOLSON	DATE COMPLETED:	11-17-00
SITE:	PSC 51/GOLF COURSE	DRILLING METHOD:	Hollow Stem	NORTHING:	
GEOLOGIST:	~~M. Date~~ L.K.	DEV. METHOD:	Submersible	EASTING:	

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: 10 FT.

Elevation / Height of Top of Surface Casing: 12 inch

I.D. of Surface Casing: 8 inch

Type of Surface Casing: Steel, boltdown

Type of Surface Seal: Concrete

I.D. of Riser: 2 inch

Type of Riser: Sch. 40, PVC

Borehole Diameter: 9 inch

Elevation / Depth Top of Rock: N/A

Type of Backfill: Portland Cement Type I & II

Elevation / Depth of Seal: 11.5'

Type of Seal: Medium Sand (30/65 grade)

Elevation / Depth of Top of Filter Pack: 12.0'

Elevation / Depth of Top of Screen: 13.0'

Type of Screen: Sch. 40, PVC

Slot Size x Length: 0.010 inch x 10 FT.

I.D. of Screen: 2 inch

Type of Filter Pack: Coarse Sand (20/30 grade)

Elevation / Depth of Bottom of Screen: 113.0'

Elevation / Depth of Bottom of Filter Pack: 114.0'

Type of Backfill Below Well: Coarse Sand (20/30 grade)

Elevation / Total Depth of Borehole: 114.0'

Tetra Tech NUS. Inc.
CERTIFICATE OF CONFORMANCE

Well Designation: CEF-P51-MW05S
Site Name: NAS CECIL FIELD
Date Installed: 11/17/00
Project Name: PSC 51, GOLF CSE

Site Geologist: Louis Knight
Drilling Company: PARTRIDGE WELL DRILLERS
Driller: Mike Nicholson
Project Number: N0039

Material	Brand/Description	Source/Supplier	Sample Collected ?
Well Casing	Sch. 40 PVC, 2 IN. DIAM.	ESLON Charlotte, NC	NO
Well Screen	Sch. 40 PVC, 2 IN. DIAM., 0.010 IN. SLOTS	ESLON Charlotte, NC	NO
End Cap	Sch. 40 PVC, 2 IN. DIAM., WELL POINT	ESLON Charlotte, NC	NO
Drilling Fluid	None	—	—
Drilling Fluid Additives	None	—	—
Backfill Material	None	—	—
Annular Filter Pack	Sand 20/30 GRADE	Standard Sand, JAX, FL	NO
~~Bentonite~~ Seal, FINE Sand	Sand 30/65 GRADE	Standard Sand, JAX, FL	NO
Annular Grout	PORTLAND CEMENT, Type I & II	Lehigh Allentown, PA	NO
Surface Cement	QUIKRETE CONCRETE	QUIKRETE COS., ATLANTA, GA	NO
Protective Casing	Steel, boltdown 8 IN. I.D.	PEMCO Hollywood, FL	NO
Paint	None	—	—
Rod Lubricant	None	—	—
Compressor Oil	None	—	—

To the best of my knowledge, I certify that the above described materials were used during installation of this monitoring well.

Signature of Site Geologist: Louis Knight

APPENDIX B

ANALYTICAL LABORATORY DATA SHEETS

B.1 SOIL SAMPLES

B.2 SURFACE WATER AND SEDIMENT SAMPLES

B.3 SPLP SAMPLES

B.4 GROUNDWATER SAMPLES

B.1 SOIL SAMPLES

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: **MARK SPERANZA** **DATE: JULY 21, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6916

SAMPLES: 12/Surface Soil

CEF-P51-DUP4	CEF-P51-SS-G01
CEF-P51-SS-G10	CEF-P51-SS-T01B
CEF-P51-SS-T01R	CEF-P51-SS-T01W
CEF-P51-SS-T02B	CEF-P51-SS-T02R
CEF-P51-SS-T02W	CEF-P51-SS-T10B
CEF-P51-SS-T10R	CEF-P51-SS-R10W

OVERVIEW

The sample set for CTO 078, SDG F6916 Naval Air Station (NAS) Cecil Field; Florida consists of twelve (12) surface soil environmental sample. The samples were analyzed for pesticide organic compounds. One (1) field duplicate pair (CEF-P51-SS-G10/CEF-P51-DUP4) was included within this SDG.

The sample was collected by Tetra Tech, NUS on June 27th, 2000 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 8081A 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 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.

PESTICIDE/PCB FRACTION

In sample CEF-P51-SS-G01, alpha-Chlordane and gamma-Chlordane exceeded the linear calibration range of the instrument. The laboratory did not perform a sample dilution. Therefore, positive results for the aforementioned compounds were qualified as estimated (J).

Sample CEF-P51-SS-G01 was analyzed at a 100X dilution thus causing elevated reporting limits.

Sample CEF-P51-SS-T01B was analyzed at an 80X dilution thus causing elevated reporting limits.

Sample CEF-P51-SS-T01R was analyzed at a 10X dilution thus causing elevated reporting limits.

Sample CEF-P51-SS-T01W was analyzed at a 2X dilution thus causing elevated reporting limits.

Samples CEF-P51-SS-T02W and CEF-P51-SS-T10B were analyzed at a 50X dilution thus causing elevated reporting limits.

Sample CEF-P51-SS-T10R was analyzed at a 40X dilution thus causing elevated reporting limits.

Sample CEF-P51-SS-T10W was analyzed at a 4X dilution thus causing elevated reporting limits.

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution in all the fractions. In sample CEF-P51-SS-G01, several compounds exceeded the linear calibration range of the instrument.

MEMO TO: MARK SPERANZA
DATE: JULY 21, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-DUP4	CEF-P51-SS-G01	CEF-P51-SS-G10	CEF-P51-SS-T01B
SAMPLE DATE:	06/27/00	06/27/00	06/27/00	06/27/00
LABORATORY ID:	F6916-12	F6916-8	F6916-1	F6916-5
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	89.8 %	90.0 %	90.9 %	83.2 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:	CEF-P51-SS-G10			

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		370	U		3.7	U		320	U	
4,4'-DDE	3.7	U		222	J	P	3.7	U		320	U	
4,4'-DDT	3.7	U		370	U		3.7	U		320	U	
ALDRIN	1.8	U		180	U		1.8	U		160	U	
ALPHA-BHC	1.8	U		180	U		1.8	U		160	U	
ALPHA-CHLORDANE	3.7	U		2970	J	L	3.7	U		1100		
BETA-BHC	1.8	U		180	U		1.8	U		160	U	
CHLORDANE	18	U		21400			18	U		7680		
DELTA-BHC	1.8	U		180	U		1.8	U		160	U	
DIELDRIN	3.0			173	J	P	2.5			1510		
ENDOSULFAN I	1.8	U		180	U		1.8	U		160	U	
ENDOSULFAN II	3.7	U		370	U		3.7	U		320	U	
ENDOSULFAN SULFATE	3.7	U		370	U		3.7	U		320	U	
ENDRIN	3.7	U		370	U		3.7	U		320	U	
ENDRIN ALDEHYDE	3.7	U		370	U		3.7	U		320	U	
ENDRIN KETONE	3.7	U		370	U		3.7	U		320	U	
GAMMA-BHC (LINDANE)	1.8	U		180	U		1.8	U		160	U	
GAMMA-CHLORDANE	3.7	U		3010	J	L	3.7	U		928		
HEPTACHLOR	1.8	U		180	U		1.8	U		160	U	
HEPTACHLOR EPOXIDE	1.8	U		180	U		1.8	U		78.2	J	P
METHOXYCHLOR	7.4	U		740	U		7.3	U		640	U	
TOXAPHENE	180	U		18000	U		180	U		16000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-SS-T01R	CEF-P51-SS-T01W	CEF-P51-SS-T02B	CEF-P51-SS-T02R
SAMPLE DATE:	06/27/00	06/27/00	06/27/00	06/27/00
LABORATORY ID:	F6916-7	F6916-6	F6916-9	F6916-10
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	84.7 %	85.7 %	87.4 %	86.7 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	39	U		7.8	U		3.8	U		3.8	U	
4,4'-DDE	39	U		19.6			3.1	J	P	3.8	U	
4,4'-DDT	39	U		4.7	J	P	3.8	U		3.8	U	
ALDRIN	20	U		3.9	U		1.9	U		1.9	U	
ALPHA-BHC	20	U		3.9	U		1.9	U		1.9	U	
ALPHA-CHLORDANE	22.1	J	P	35.8			3.8	U		6.3		
BETA-BHC	20	U		3.9	U		1.9	U		1.9	U	
CHLORDANE	246			229			55.1	J	P	19	U	
DELTA-BHC	20	U		3.9	U		1.9	U		1.9	U	
DIELDRIN	255			54			5.4			18.8		
ENDOSULFAN I	20	U		3.9	U		1.9	U		1.9	U	
ENDOSULFAN II	39	U		7.8	U		3.8	U		3.8	U	
ENDOSULFAN SULFATE	39	U		7.8	U		3.8	U		3.8	U	
ENDRIN	39	U		7.8	U		3.8	U		3.8	U	
ENDRIN ALDEHYDE	39	U		7.8	U		3.8	U		3.8	U	
ENDRIN KETONE	39	U		7.8	U		3.8	U		3.8	U	
GAMMA-BHC (LINDANE)	20	U		3.9	U		1.9	U		1.9	U	
GAMMA-CHLORDANE	14.8	J	P	23.4			3.8	U		1.9	J	P
HEPTACHLOR	20	U		3.9	U		1.9	U		1.9	U	
HEPTACHLOR EPOXIDE	20	U		9.3			1.9	U		1.9	U	
METHOXYCHLOR	79	U		16	U		7.6	U		7.7	U	
TOXAPHENE	2000	U		390	U		190	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-SS-T02W			CEF-P51-SS-T10B			CEF-P51-SS-T10R			CEF-P51-SS-T10W		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6916-11			F6916-4			F6916-2			F6916-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.2 %			80.5 %			92.4 %			92.1 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	180	U		210	U		140	U		14	U	
4,4'-DDE	155	J	P	104	J	P	140	U		14	U	
4,4'-DDT	76.6	J	P	140	J	P	140	U		14	U	
ALDRIN	92	U		100	U		72	U		7.2	U	
ALPHA-BHC	92	U		100	U		72	U		7.2	U	
ALPHA-CHLORDANE	1310			408			76.1	J	P	34.1		
BETA-BHC	92	U		100	U		72	U		7.2	U	
CHLORDANE	7980			3130			492	J	P	215		
DELTA-BHC	92	U		100	U		72	U		7.2	U	
DIELDRIN	510			843			563			69.8		
ENDOSULFAN I	92	U		100	U		72	U		7.2	U	
ENDOSULFAN II	180	U		210	U		140	U		14	U	
ENDOSULFAN SULFATE	180	U		210	U		140	U		14	U	
ENDRIN	180	U		210	U		140	U		14	U	
ENDRIN ALDEHYDE	180	U		210	U		140	U		14	U	
ENDRIN KETONE	180	U		210	U		140	U		14	U	
GAMMA-BHC (LINDANE)	92	U		100	U		72	U		7.2	U	
GAMMA-CHLORDANE	986			330			62	J	P	21		
HEPTACHLOR	92	U		100	U		72	U		7.2	U	
HEPTACHLOR EPOXIDE	79.5	J	P	131			20.3	J	P	7.2		
METHOXYCHLOR	370	U		410	U		290	U		29	U	
TOXAPHENE	9200	U		10000	U		7200	U		720	U	

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-DUP4		
Lab Sample ID:	F6916-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05859.D	1	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	3.0	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND	3.7	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.4	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		50-144%
2051-24-3	Decachlorobiphenyl	90%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G01		
Lab Sample ID:	F6916-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05847.D	100	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	180	ug/kg	
319-84-6	alpha-BHC	ND	180	ug/kg	
319-85-7	beta-BHC	ND	180	ug/kg	
319-86-8	delta-BHC	ND	180	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	180	ug/kg	
12789-03-6	Chlordane	21400	1800	ug/kg	
5103-71-9	alpha-Chlordane	2970	370	ug/kg	E
5103-74-2	gamma-Chlordane	3010	370	ug/kg	E
60-57-1	Dieldrin	173	180	ug/kg	J
72-54-8	4,4'-DDD	ND	370	ug/kg	
72-55-9	4,4'-DDE	222	370	ug/kg	J
50-29-3	4,4'-DDT	ND	370	ug/kg	
72-20-8	Endrin	ND	370	ug/kg	
1031-07-8	Endosulfan sulfate	ND	370	ug/kg	
7421-93-4	Endrin aldehyde	ND	370	ug/kg	
53494-70-5	Endrin ketone	ND	370	ug/kg	
959-98-8	Endosulfan-I	ND	180	ug/kg	
33213-65-9	Endosulfan-II	ND	370	ug/kg	
76-44-8	Heptachlor	ND	180	ug/kg	
1024-57-3	Heptachlor epoxide	ND	180	ug/kg	
72-43-5	Methoxychlor	ND	740	ug/kg	
8001-35-2	Toxaphene	ND	18000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		50-144%
2051-24-3	Decachlorobiphenyl	136%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G10		
Lab Sample ID:	F6916-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05856.D	1	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	2.5	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND	3.7	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.3	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		50-144%
2051-24-3	Decachlorobiphenyl	115%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01B		
Lab Sample ID:	F6916-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05846.D	80	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	160	ug/kg	
319-84-6	alpha-BHC	ND	160	ug/kg	
319-85-7	beta-BHC	ND	160	ug/kg	
319-86-8	delta-BHC	ND	160	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	160	ug/kg	
12789-03-6	Chlordane	7680	1600	ug/kg	
5103-71-9	alpha-Chlordane	1100	320	ug/kg	
5103-74-2	gamma-Chlordane	928	320	ug/kg	
60-57-1	Dieldrin	1510	160	ug/kg	
72-54-8	4,4'-DDD	ND	320	ug/kg	
72-55-9	4,4'-DDE	ND	320	ug/kg	
50-29-3	4,4'-DDT	ND	320	ug/kg	
72-20-8	Endrin	ND	320	ug/kg	
1031-07-8	Endosulfan sulfate	ND	320	ug/kg	
7421-93-4	Endrin aldehyde	ND	320	ug/kg	
53494-70-5	Endrin ketone	ND	320	ug/kg	
959-98-8	Endosulfan-I	ND	160	ug/kg	
33213-65-9	Endosulfan-II	ND	320	ug/kg	
76-44-8	Heptachlor	ND	160	ug/kg	
1024-57-3	Heptachlor epoxide	78.2	160	ug/kg	J
72-43-5	Methoxychlor	ND	640	ug/kg	
8001-35-2	Toxaphene	ND	16000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-144%
2051-24-3	Decachlorobiphenyl	112%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01R		
Lab Sample ID:	F6916-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05853.D	10	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	20	ug/kg	
319-84-6	alpha-BHC	ND	20	ug/kg	
319-85-7	beta-BHC	ND	20	ug/kg	
319-86-8	delta-BHC	ND	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	20	ug/kg	
12789-03-6	Chlordane	246	200	ug/kg	
5103-71-9	alpha-Chlordane	22.1	39	ug/kg	J
5103-74-2	gamma-Chlordane	14.8	39	ug/kg	J
60-57-1	Dieldrin	255	20	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND	39	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	20	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	20	ug/kg	
72-43-5	Methoxychlor	ND	79	ug/kg	
8001-35-2	Toxaphene	ND	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-144%
2051-24-3	Decachlorobiphenyl	120%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01W		
Lab Sample ID:	F6916-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05852.D	2	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	3.9	ug/kg	
319-84-6	alpha-BHC	ND	3.9	ug/kg	
319-85-7	beta-BHC	ND	3.9	ug/kg	
319-86-8	delta-BHC	ND	3.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.9	ug/kg	
12789-03-6	Chlordane	229	39	ug/kg	
5103-71-9	alpha-Chlordane	35.8	7.8	ug/kg	
5103-74-2	gamma-Chlordane	23.4	7.8	ug/kg	
60-57-1	Dieldrin	54.0	3.9	ug/kg	
72-54-8	4,4'-DDD	ND	7.8	ug/kg	
72-55-9	4,4'-DDE	19.6	7.8	ug/kg	
50-29-3	4,4'-DDT	4.7	7.8	ug/kg	J
72-20-8	Endrin	ND	7.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.8	ug/kg	
53494-70-5	Endrin ketone	ND	7.8	ug/kg	
959-98-8	Endosulfan-I	ND	3.9	ug/kg	
33213-65-9	Endosulfan-II	ND	7.8	ug/kg	
76-44-8	Heptachlor	ND	3.9	ug/kg	
1024-57-3	Heptachlor epoxide	9.3	3.9	ug/kg	
72-43-5	Methoxychlor	ND	16	ug/kg	
8001-35-2	Toxaphene	ND	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-144%
2051-24-3	Decachlorobiphenyl	92%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02B		
Lab Sample ID:	F6916-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05857.D	1	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane [b]	55.1	19	ug/kg	J
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	5.4	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	3.1	3.8	ug/kg	J
50-29-3	4,4'-DDT	ND	3.8	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND	7.6	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		50-144%
2051-24-3	Decachlorobiphenyl	109%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to matrix interference from PCB.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02R		
Lab Sample ID:	F6916-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05858.D	1	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	6.3	3.8	ug/kg	
5103-74-2	gamma-Chlordane	1.9	3.8	ug/kg	J
60-57-1	Dieldrin	18.8	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND	3.8	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND	7.7	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-144%
2051-24-3	Decachlorobiphenyl	101%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02W		
Lab Sample ID:	F6916-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05848.D	50	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	92	ug/kg	
319-84-6	alpha-BHC	ND	92	ug/kg	
319-85-7	beta-BHC	ND	92	ug/kg	
319-86-8	delta-BHC	ND	92	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	92	ug/kg	
12789-03-6	Chlordane	7980	920	ug/kg	
5103-71-9	alpha-Chlordane	1310	180	ug/kg	
5103-74-2	gamma-Chlordane	986	180	ug/kg	
60-57-1	Dieldrin	510	92	ug/kg	
72-54-8	4,4'-DDD	ND	180	ug/kg	
72-55-9	4,4'-DDE	155	180	ug/kg	J
50-29-3	4,4'-DDT	76.6	180	ug/kg	J
72-20-8	Endrin	ND	180	ug/kg	
1031-07-8	Endosulfan sulfate	ND	180	ug/kg	
7421-93-4	Endrin aldehyde	ND	180	ug/kg	
53494-70-5	Endrin ketone	ND	180	ug/kg	
959-98-8	Endosulfan-I	ND	92	ug/kg	
33213-65-9	Endosulfan-II	ND	180	ug/kg	
76-44-8	Heptachlor	ND	92	ug/kg	
1024-57-3	Heptachlor epoxide	79.5	92	ug/kg	J
72-43-5	Methoxychlor	ND	370	ug/kg	
8001-35-2	Toxaphene	ND	9200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-144%
2051-24-3	Decachlorobiphenyl	110%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10B		
Lab Sample ID:	F6916-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	80.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05845.D	50	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	100	ug/kg	
319-84-6	alpha-BHC	ND	100	ug/kg	
319-85-7	beta-BHC	ND	100	ug/kg	
319-86-8	delta-BHC	ND	100	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	100	ug/kg	
12789-03-6	Chlordane	3130	1000	ug/kg	
5103-71-9	alpha-Chlordane	408	210	ug/kg	
5103-74-2	gamma-Chlordane	330	210	ug/kg	
60-57-1	Dieldrin	843	100	ug/kg	
72-54-8	4,4'-DDD	ND	210	ug/kg	
72-55-9	4,4'-DDE	104	210	ug/kg	J
50-29-3	4,4'-DDT	140	210	ug/kg	J
72-20-8	Endrin	ND	210	ug/kg	
1031-07-8	Endosulfan sulfate	ND	210	ug/kg	
7421-93-4	Endrin aldehyde	ND	210	ug/kg	
53494-70-5	Endrin ketone	ND	210	ug/kg	
959-98-8	Endosulfan-I	ND	100	ug/kg	
33213-65-9	Endosulfan-II	ND	210	ug/kg	
76-44-8	Heptachlor	ND	100	ug/kg	
1024-57-3	Heptachlor epoxide	131	100	ug/kg	
72-43-5	Methoxychlor	ND	410	ug/kg	
8001-35-2	Toxaphene	ND	10000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		50-144%
2051-24-3	Decachlorobiphenyl	131%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10R		
Lab Sample ID:	F6916-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05844.D	40	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	72	ug/kg	
319-84-6	alpha-BHC	ND	72	ug/kg	
319-85-7	beta-BHC	ND	72	ug/kg	
319-86-8	delta-BHC	ND	72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	72	ug/kg	
12789-03-6	Chlordane	492	720	ug/kg	J
5103-71-9	alpha-Chlordane	76.1	140	ug/kg	J
5103-74-2	gamma-Chlordane	62.0	140	ug/kg	J
60-57-1	Dieldrin	563	72	ug/kg	
72-54-8	4,4'-DDD	ND	140	ug/kg	
72-55-9	4,4'-DDE	ND	140	ug/kg	
50-29-3	4,4'-DDT	ND	140	ug/kg	
72-20-8	Endrin	ND	140	ug/kg	
1031-07-8	Endosulfan sulfate	ND	140	ug/kg	
7421-93-4	Endrin aldehyde	ND	140	ug/kg	
53494-70-5	Endrin ketone	ND	140	ug/kg	
959-98-8	Endosulfan-I	ND	72	ug/kg	
33213-65-9	Endosulfan-II	ND	140	ug/kg	
76-44-8	Heptachlor	ND	72	ug/kg	
1024-57-3	Heptachlor epoxide	20.3	72	ug/kg	J
72-43-5	Methoxychlor	ND	290	ug/kg	
8001-35-2	Toxaphene	ND	7200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-144%
2051-24-3	Decachlorobiphenyl	115%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10W		
Lab Sample ID:	F6916-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05851.D	4	07/12/00	SKW	07/06/00	OP1771	GST215
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.2	ug/kg	
319-84-6	alpha-BHC	ND	7.2	ug/kg	
319-85-7	beta-BHC	ND	7.2	ug/kg	
319-86-8	delta-BHC	ND	7.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.2	ug/kg	
12789-03-6	Chlordane	215	72	ug/kg	
5103-71-9	alpha-Chlordane	34.1	14	ug/kg	
5103-74-2	gamma-Chlordane	21.0	14	ug/kg	
60-57-1	Dieldrin	69.8	7.2	ug/kg	
72-54-8	4,4'-DDD	ND	14	ug/kg	
72-55-9	4,4'-DDE	ND	14	ug/kg	
50-29-3	4,4'-DDT	ND	14	ug/kg	
72-20-8	Endrin	ND	14	ug/kg	
1031-07-8	Endosulfan sulfate	ND	14	ug/kg	
7421-93-4	Endrin aldehyde	ND	14	ug/kg	
53494-70-5	Endrin ketone	ND	14	ug/kg	
959-98-8	Endosulfan-I	ND	7.2	ug/kg	
33213-65-9	Endosulfan-II	ND	14	ug/kg	
76-44-8	Heptachlor	ND	7.2	ug/kg	
1024-57-3	Heptachlor epoxide	7.2	7.2	ug/kg	
72-43-5	Methoxychlor	ND	29	ug/kg	
8001-35-2	Toxaphene	ND	720	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-144%
2051-24-3	Decachlorobiphenyl	106%		10-180%

(a) All hits confirmed by dual column analysis.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: **MARK SPERANZA** **DATE: JULY 31, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6928

SAMPLES: 17/Surface Soil

CEF-P51-DUP7	CEF-P51-DUP8
CEF-P51-SS-101	CEF-P51-SS-102
CEF-P51-SS-105	CEF-P51-SS-106
CEF-P51-SS-107	CEF-P51-SS-109
CEF-P51-SS-G07	CEF-P51-SS-G08
CEF-P51-SS-G09	CEF-P51-SS-T07R
CEF-P51-SS-T08B	CEF-P51-SS-T08R
CEF-P51-SS-T09B	CEF-P51-SS-T09R
CEF-P51-SS-T09W	

OVERVIEW

The sample set for CTO 078, SDG F6928 Naval Air Station (NAS) Cecil Field; Florida consists of seventeen (17) surface soil environmental sample. The samples were analyzed for pesticide organic compounds. Two (2) field duplicate pairs (CEF-P51-SS-T07R/CEF-P51-DUP7 and CEF-P51-SS-106/CEF-P51-DUP8) were included within this SDG.

The samples were collected by Tetra Tech, NUS on June 28th, 2000 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 8081A 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 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.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-DUP7			CEF-P51-DUP8			CEF-P51-SS-101			CEF-P51-SS-102		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-17			F6928-16			F6928-10			F6928-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.8 %			88.8 %			89.2 %			93.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-T07R			CEF-P51-SS-106								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		380	U		19	U		3.6	U	
4,4'-DDE	1.5	J	G	21	J	GP	19	U		3.6	U	
4,4'-DDT	37	U		380	U		19	U		3.6	U	
ALDRIN	1.8	U		190	U		9.4	U		1.8	U	
ALPHA-BHC	1.8	U		190	U		9.4	U		1.8	U	
ALPHA-CHLORDANE	3.7	U		168	J	P	19	U		3.6	U	
BETA-BHC	1.8	U		190	U		9.4	U		1.8	U	
CHLORDANE	18	UJ	G	1900	U		94	U		18	U	
DELTA-BHC	1.8	U		190	U		9.4	U		1.8	U	
DIELDRIN	1.8	UJ	G	1440	J	G	90			1.8	U	
ENDOSULFAN I	1.8	U		190	U		9.4	U		1.8	U	
ENDOSULFAN II	3.7	U		380	U		19	U		3.6	U	
ENDOSULFAN SULFATE	3.7	U		380	U		19	U		3.6	U	
ENDRIN	3.7	U		380	U		19	U		3.6	U	
ENDRIN ALDEHYDE	3.7	U		380	U		19	U		3.6	U	
ENDRIN KETONE	3.7	U		380	U		19	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		190	U		9.4	U		1.8	U	
GAMMA-CHLORDANE	3.7	U		132	J	P	19	U		3.6	U	
HEPTACHLOR	1.8	U		190	U		9.4	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		190	U		9.4	U		1.8	U	
METHOXYCHLOR	73	U		750	U		37	U		7.1	U	
TOXAPHENE	180	U		19000	U		940	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-105			CEF-P51-SS-106			CEF-P51-SS-107			CEF-P51-SS-109		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-12			F6928-13			F6928-14			F6928-15		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.6 %			91.8 %			91.3 %			94.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.6	U		3.6	U		3.5	U	
4,4'-DDE	1.6	J	P	1.6	J	P	3.6	U		3.5	U	
4,4'-DDT	35	U		36	U		36	U		3.5	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	2.0	J	P	3.6	U		3.6	U		3.5	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	18	U		18	U		18	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	2.2			1.8	UJ	G	1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.5	U		3.6	U		3.6	U		3.5	U	
ENDOSULFAN SULFATE	3.5	U		3.6	U		3.6	U		3.5	U	
ENDRIN	3.5	U		3.6	U		3.6	U		3.5	U	
ENDRIN ALDEHYDE	3.5	U		3.6	U		3.6	U		3.5	U	
ENDRIN KETONE	3.5	U		3.6	U		3.6	U		3.5	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	1.6	J	P	3.6	U		3.6	U		3.5	U	
HEPTACHLOR	1.8	U		1.8	U		1.8	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	70	U		73	U		73	U		7.0	U	
TOXAPHENE	180	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-G07			CEF-P51-SS-G08			CEF-P51-SS-G09			CEF-P51-SS-T07R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-2			F6928-5			F6928-9			F6928-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.2 %			87.0 %			83.4 %			89.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	960	U		190	U		2000	U		75	U	
4,4'-DDE	960	U		43.7	J	P	482	J	P	12.2	J	G
4,4'-DDT	960	U		190	U		2000	U		75	U	
ALDRIN	480	U		96	U		1000	U		37	U	
ALPHA-BHC	480	U		96	U		1000	U		37	U	
ALPHA-CHLORDANE	3350			855			6400			29.2	J	P
BETA-BHC	480	U		96	U		1000	U		37	U	
CHLORDANE	29100			10400			57500			470	J	G
DELTA-BHC	480	U		96	U		1000	U		37	U	
DIELDRIN	303	J	P	38.6	J	P	359	J	P	281	J	G
ENDOSULFAN I	480	U		96	U		1000	U		37	U	
ENDOSULFAN II	960	U		190	U		2000	U		75	U	
ENDOSULFAN SULFATE	960	U		190	U		2000	U		75	U	
ENDRIN	960	U		190	U		2000	U		75	U	
ENDRIN ALDEHYDE	960	U		190	U		2000	U		75	U	
ENDRIN KETONE	960	U		190	U		2000	U		75	U	
GAMMA-BHC (LINDANE)	480	U		96	U		1000	U		37	U	
GAMMA-CHLORDANE	3350			875			6560			37.5	J	P
HEPTACHLOR	480	U		96	U		1000	U		37	U	
HEPTACHLOR EPOXIDE	192	J	P	96	U		1000	U		37	U	
METHOXYCHLOR	1900	U		380	U		4000	U		150	U	
TOXAPHENE	48000	U		9600	U		100000	U		3700	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-T08B			CEF-P51-SS-T08R			CEF-P51-SS-T09B			CEF-P51-SS-T09R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-3			F6928-4			F6928-6			F6928-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.3 %			89.1 %			89.7 %			89.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	360	U		3.7	U		190	U		3.7	U	
4,4'-DDE	145	J	P	3.7	U		210			3.7	U	
4,4'-DDT	360	U		3.7	U		87.6	J	P	37	U	
ALDRIN	180	U		1.9	U		93	U		1.9	U	
ALPHA-BHC	180	U		1.9	U		93	U		1.9	U	
ALPHA-CHLORDANE	415			3.7	U		50.8	J	P	3.7	U	
BETA-BHC	180	U		1.9	U		93	U		1.9	U	
CHLORDANE	3470			19	U		613	J	P	19	U	
DELTA-BHC	180	U		1.9	U		93	U		1.9	U	
DIELDRIN	2310			5.8			707			2.1		
ENDOSULFAN I	180	U		1.9	U		93	U		1.9	U	
ENDOSULFAN II	360	U		3.7	U		190	U		3.7	U	
ENDOSULFAN SULFATE	360	U		3.7	U		190	U		3.7	U	
ENDRIN	360	U		3.7	U		190	U		3.7	U	
ENDRIN ALDEHYDE	360	U		3.7	U		190	U		3.7	U	
ENDRIN KETONE	360	U		3.7	U		190	U		3.7	U	
GAMMA-BHC (LINDANE)	180	U		1.9	U		93	U		1.9	U	
GAMMA-CHLORDANE	442			3.7	U		45.6	J	P	3.7	U	
HEPTACHLOR	180	U		1.9	U		93	U		1.9	U	
HEPTACHLOR EPOXIDE	180	U		1.9	U		19.1	J	P	1.9	U	
METHOXYCHLOR	720	U		7.5	U		370	U		74	U	
TOXAPHENE	18000	U		190	U		9300	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-T09W										
SAMPLE DATE:	06/28/00			/ /			/ /			/ /	
LABORATORY ID:	F6928-7										
QC_TYPE:	NORMAL										
% SOLIDS:	92.2 %			100.0 %			100.0 %			100.0 %	
UNITS:	UG/KG										
FIELD DUPLICATE OF:											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	36	U										
4,4'-DDE	36	U										
4,4'-DDT	36	U										
ALDRIN	18	U										
ALPHA-BHC	18	U										
ALPHA-CHLORDANE	36	U										
BETA-BHC	18	U										
CHLORDANE	180	U										
DELTA-BHC	18	U										
DIELDRIN	18	U										
ENDOSULFAN I	18	U										
ENDOSULFAN II	36	U										
ENDOSULFAN SULFATE	36	U										
ENDRIN	36	U										
ENDRIN ALDEHYDE	36	U										
ENDRIN KETONE	36	U										
GAMMA-BHC (LINDANE)	18	U										
GAMMA-CHLORDANE	36	U										
HEPTACHLOR	18	U										
HEPTACHLOR EPOXIDE	18	U										
METHOXYCHLOR	72	U										
TOXAPHENE	1800	U										

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-DUP7		
Lab Sample ID:	F6928-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06096.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2 [b]	ST06153.D	10	07/20/00	SKW	07/10/00	OP1803	GST222

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	1.5	3.7	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%	109%	50-144%
2051-24-3	Decachlorobiphenyl	83%	100%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP8		
Lab Sample ID:	F6928-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06040.D	100	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	190	ug/kg	
319-84-6	alpha-BHC	ND	190	ug/kg	
319-85-7	beta-BHC	ND	190	ug/kg	
319-86-8	delta-BHC	ND	190	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	190	ug/kg	
12789-03-6	Chlordane	ND	1900	ug/kg	
5103-71-9	alpha-Chlordane	168	380	ug/kg	J
5103-74-2	gamma-Chlordane	132	380	ug/kg	J
60-57-1	Dieldrin	1440	190	ug/kg	
72-54-8	4,4'-DDD	ND	380	ug/kg	
72-55-9	4,4'-DDE	21.0	380	ug/kg	J
50-29-3	4,4'-DDT	ND	380	ug/kg	
72-20-8	Endrin	ND	380	ug/kg	
1031-07-8	Endosulfan sulfate	ND	380	ug/kg	
7421-93-4	Endrin aldehyde	ND	380	ug/kg	
53494-70-5	Endrin ketone	ND	380	ug/kg	
959-98-8	Endosulfan-I	ND	190	ug/kg	
33213-65-9	Endosulfan-II	ND	380	ug/kg	
76-44-8	Heptachlor	ND	190	ug/kg	
1024-57-3	Heptachlor epoxide	ND	190	ug/kg	
72-43-5	Methoxychlor	ND	750	ug/kg	
8001-35-2	Toxaphene	ND	19000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		50-144%
2051-24-3	Decachlorobiphenyl	116%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-101		
Lab Sample ID:	F6928-10	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06044.D	5	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.4	ug/kg	
319-84-6	alpha-BHC	ND	9.4	ug/kg	
319-85-7	beta-BHC	ND	9.4	ug/kg	
319-86-8	delta-BHC	ND	9.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.4	ug/kg	
12789-03-6	Chlordane	ND	94	ug/kg	
5103-71-9	alpha-Chlordane	ND	19	ug/kg	
5103-74-2	gamma-Chlordane	ND	19	ug/kg	
60-57-1	Dieldrin	90.1	9.4	ug/kg	
72-54-8	4,4'-DDD	ND	19	ug/kg	
72-55-9	4,4'-DDE	ND	19	ug/kg	
50-29-3	4,4'-DDT	ND	19	ug/kg	
72-20-8	Endrin	ND	19	ug/kg	
1031-07-8	Endosulfan sulfate	ND	19	ug/kg	
7421-93-4	Endrin aldehyde	ND	19	ug/kg	
53494-70-5	Endrin ketone	ND	19	ug/kg	
959-98-8	Endosulfan-I	ND	9.4	ug/kg	
33213-65-9	Endosulfan-II	ND	19	ug/kg	
76-44-8	Heptachlor	ND	9.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.4	ug/kg	
72-43-5	Methoxychlor	ND	37	ug/kg	
8001-35-2	Toxaphene	ND	940	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		50-144%
2051-24-3	Decachlorobiphenyl	116%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-102		
Lab Sample ID:	F6928-11	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06085.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND	3.6	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.1	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		50-144%
2051-24-3	Decachlorobiphenyl	104%		10-180%

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-105		
Lab Sample ID:	F6928-12	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06094.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2 [b]	ST06151.D	10	07/20/00	SKW	07/10/00	OP1803	GST222

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	2.0	3.5	ug/kg	J
5103-74-2	gamma-Chlordane	1.6	3.5	ug/kg	J
60-57-1	Dieldrin	2.2	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	1.6	3.5	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%	110%	50-144%
2051-24-3	Decachlorobiphenyl	97%	110%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-106		
Lab Sample ID:	F6928-13	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06095.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2 [b]	ST06152.D	10	07/20/00	SKW	07/10/00	OP1803	GST222

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	1.6	3.6	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%	100%	50-144%
2051-24-3	Decachlorobiphenyl	88%	90%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-107		
Lab Sample ID:	F6928-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06090.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2 [a]	ST06149.D	10	07/20/00	SKW	07/10/00	OP1803	GST222

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	97%	50-144%
2051-24-3	Decachlorobiphenyl	97%	92%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-109		
Lab Sample ID:	F6928-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06086.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND	3.5	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.0	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-144%
2051-24-3	Decachlorobiphenyl	95%		10-180%

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G07		
Lab Sample ID:	F6928-2	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06037.D	250	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	480	ug/kg	
319-84-6	alpha-BHC	ND	480	ug/kg	
319-85-7	beta-BHC	ND	480	ug/kg	
319-86-8	delta-BHC	ND	480	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	480	ug/kg	
12789-03-6	Chlordane	29100	4800	ug/kg	
5103-71-9	alpha-Chlordane	3350	960	ug/kg	
5103-74-2	gamma-Chlordane	3350	960	ug/kg	
60-57-1	Dieldrin	303	480	ug/kg	J
72-54-8	4,4'-DDD	ND	960	ug/kg	
72-55-9	4,4'-DDE	ND	960	ug/kg	
50-29-3	4,4'-DDT	ND	960	ug/kg	
72-20-8	Endrin	ND	960	ug/kg	
1031-07-8	Endosulfan sulfate	ND	960	ug/kg	
7421-93-4	Endrin aldehyde	ND	960	ug/kg	
53494-70-5	Endrin ketone	ND	960	ug/kg	
959-98-8	Endosulfan-I	ND	480	ug/kg	
33213-65-9	Endosulfan-II	ND	960	ug/kg	
76-44-8	Heptachlor	ND	480	ug/kg	
1024-57-3	Heptachlor epoxide	192	480	ug/kg	J
72-43-5	Methoxychlor	ND	1900	ug/kg	
8001-35-2	Toxaphene	ND	48000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G08		
Lab Sample ID:	F6928-5	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06041.D	50	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	96	ug/kg	
319-84-6	alpha-BHC	ND	96	ug/kg	
319-85-7	beta-BHC	ND	96	ug/kg	
319-86-8	delta-BHC	ND	96	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	96	ug/kg	
12789-03-6	Chlordane	10400	960	ug/kg	
5103-71-9	alpha-Chlordane	855	190	ug/kg	
5103-74-2	gamma-Chlordane	875	190	ug/kg	
60-57-1	Dieldrin	38.6	96	ug/kg	J
72-54-8	4,4'-DDD	ND	190	ug/kg	
72-55-9	4,4'-DDE	43.7	190	ug/kg	J
50-29-3	4,4'-DDT	ND	190	ug/kg	
72-20-8	Endrin	ND	190	ug/kg	
1031-07-8	Endosulfan sulfate	ND	190	ug/kg	
7421-93-4	Endrin aldehyde	ND	190	ug/kg	
53494-70-5	Endrin ketone	ND	190	ug/kg	
959-98-8	Endosulfan-I	ND	96	ug/kg	
33213-65-9	Endosulfan-II	ND	190	ug/kg	
76-44-8	Heptachlor	ND	96	ug/kg	
1024-57-3	Heptachlor epoxide	ND	96	ug/kg	
72-43-5	Methoxychlor	ND	380	ug/kg	
8001-35-2	Toxaphene	ND	9600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		50-144%
2051-24-3	Decachlorobiphenyl	107%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G09		
Lab Sample ID:	F6928-9	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06039.D	500	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1000	ug/kg	
319-84-6	alpha-BHC	ND	1000	ug/kg	
319-85-7	beta-BHC	ND	1000	ug/kg	
319-86-8	delta-BHC	ND	1000	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1000	ug/kg	
12789-03-6	Chlordane	57500	10000	ug/kg	
5103-71-9	alpha-Chlordane	6400	2000	ug/kg	
5103-74-2	gamma-Chlordane	6560	2000	ug/kg	
60-57-1	Dieldrin	359	1000	ug/kg	J
72-54-8	4,4'-DDD	ND	2000	ug/kg	
72-55-9	4,4'-DDE	482	2000	ug/kg	J
50-29-3	4,4'-DDT	ND	2000	ug/kg	
72-20-8	Endrin	ND	2000	ug/kg	
1031-07-8	Endosulfan sulfate	ND	2000	ug/kg	
7421-93-4	Endrin aldehyde	ND	2000	ug/kg	
53494-70-5	Endrin ketone	ND	2000	ug/kg	
959-98-8	Endosulfan-I	ND	1000	ug/kg	
33213-65-9	Endosulfan-II	ND	2000	ug/kg	
76-44-8	Heptachlor	ND	1000	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1000	ug/kg	
72-43-5	Methoxychlor	ND	4000	ug/kg	
8001-35-2	Toxaphene	ND	100000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T07R		
Lab Sample ID:	F6928-1	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06043.D	20	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	37	ug/kg	
319-84-6	alpha-BHC	ND	37	ug/kg	
319-85-7	beta-BHC	ND	37	ug/kg	
319-86-8	delta-BHC	ND	37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	37	ug/kg	
12789-03-6	Chlordane	470	370	ug/kg	
5103-71-9	alpha-Chlordane	29.2	75	ug/kg	J
5103-74-2	gamma-Chlordane	37.5	75	ug/kg	J
60-57-1	Dieldrin	281	37	ug/kg	
72-54-8	4,4'-DDD	ND	75	ug/kg	
72-55-9	4,4'-DDE	12.2	75	ug/kg	J
50-29-3	4,4'-DDT	ND	75	ug/kg	
72-20-8	Endrin	ND	75	ug/kg	
1031-07-8	Endosulfan sulfate	ND	75	ug/kg	
7421-93-4	Endrin aldehyde	ND	75	ug/kg	
53494-70-5	Endrin ketone	ND	75	ug/kg	
959-98-8	Endosulfan-I	ND	37	ug/kg	
33213-65-9	Endosulfan-II	ND	75	ug/kg	
76-44-8	Heptachlor	ND	37	ug/kg	
1024-57-3	Heptachlor epoxide	ND	37	ug/kg	
72-43-5	Methoxychlor	ND	150	ug/kg	
8001-35-2	Toxaphene	ND	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-144%
2051-24-3	Decachlorobiphenyl	89%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T08B		
Lab Sample ID:	F6928-3	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06080.D	100	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	180	ug/kg	
319-84-6	alpha-BHC	ND	180	ug/kg	
319-85-7	beta-BHC	ND	180	ug/kg	
319-86-8	delta-BHC	ND	180	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	180	ug/kg	
12789-03-6	Chlordane	3470	1800	ug/kg	
5103-71-9	alpha-Chlordane	415	360	ug/kg	
5103-74-2	gamma-Chlordane	442	360	ug/kg	
60-57-1	Dieldrin	2310	180	ug/kg	
72-54-8	4,4'-DDD	ND	360	ug/kg	
72-55-9	4,4'-DDE	145	360	ug/kg	J
50-29-3	4,4'-DDT	ND	360	ug/kg	
72-20-8	Endrin	ND	360	ug/kg	
1031-07-8	Endosulfan sulfate	ND	360	ug/kg	
7421-93-4	Endrin aldehyde	ND	360	ug/kg	
53494-70-5	Endrin ketone	ND	360	ug/kg	
959-98-8	Endosulfan-I	ND	180	ug/kg	
33213-65-9	Endosulfan-II	ND	360	ug/kg	
76-44-8	Heptachlor	ND	180	ug/kg	
1024-57-3	Heptachlor epoxide	ND	180	ug/kg	
72-43-5	Methoxychlor	ND	720	ug/kg	
8001-35-2	Toxaphene	ND	18000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		50-144%
2051-24-3	Decachlorobiphenyl	127%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T08R		
Lab Sample ID:	F6928-4	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06084.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	5.8	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND	3.7	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND	7.5	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		50-144%
2051-24-3	Decachlorobiphenyl	96%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09B		
Lab Sample ID:	F6928-6	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06042.D	50	07/17/00	SKW	07/10/00	OP1803	GST220
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	93	ug/kg	
319-84-6	alpha-BHC	ND	93	ug/kg	
319-85-7	beta-BHC	ND	93	ug/kg	
319-86-8	delta-BHC	ND	93	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	93	ug/kg	
12789-03-6	Chlordane	613	930	ug/kg	J
5103-71-9	alpha-Chlordane	50.8	190	ug/kg	J
5103-74-2	gamma-Chlordane	45.6	190	ug/kg	J
60-57-1	Dieldrin	707	93	ug/kg	
72-54-8	4,4'-DDD	ND	190	ug/kg	
72-55-9	4,4'-DDE	210	190	ug/kg	
50-29-3	4,4'-DDT	87.6	190	ug/kg	J
72-20-8	Endrin	ND	190	ug/kg	
1031-07-8	Endosulfan sulfate	ND	190	ug/kg	
7421-93-4	Endrin aldehyde	ND	190	ug/kg	
53494-70-5	Endrin ketone	ND	190	ug/kg	
959-98-8	Endosulfan-I	ND	93	ug/kg	
33213-65-9	Endosulfan-II	ND	190	ug/kg	
76-44-8	Heptachlor	ND	93	ug/kg	
1024-57-3	Heptachlor epoxide	19.1	93	ug/kg	J
72-43-5	Methoxychlor	ND	370	ug/kg	
8001-35-2	Toxaphene	ND	9300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09R		
Lab Sample ID:	F6928-8	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06089.D	1	07/18/00	SKW	07/10/00	OP1803	GST221
Run #2 [b]	ST06148.D	10	07/20/00	SKW	07/10/00	OP1803	GST222

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	2.1	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	100%	50-144%
2051-24-3	Decachlorobiphenyl	95%	101%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09W		
Lab Sample ID:	F6928-7	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06150.D	10	07/20/00	SKW	07/10/00	OP1803	GST222
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		50-144%
2051-24-3	Decachlorobiphenyl	95%		10-180%

(a) Dilution required due to matrix interference.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: **MARK SPERANZA** **DATE: JULY 31, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6917

SAMPLES: 13/Surface Soil

CEF-P51-SS-G15	CEF-P51-SS-G16
CEF-P51-SS-G17	CEF-P51-SS-G18
CEF-P51-SS-T15R	CEF-P51-SS-T16B
CEF-P51-SS-T16R	CEF-P51-SS-T16W
CEF-P51-SS-T17B	CEF-P51-SS-T17R
CEF-P51-SS-T18B	CEF-P51-SS-T18R
CEF-P51-SS-T18W	

OVERVIEW

The sample set for CTO 078, SDG F6917 Naval Air Station (NAS) Cecil Field; Florida consists of thirteen (13) surface soil environmental sample. The samples were analyzed for pesticide organic compounds. No field duplicate pairs were included within this SDG.

The samples were collected by Tetra Tech, NUS on June 27th, 2000 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 8081A 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.

PESTICIDE/PCB FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits.

Sample	Dilution
CEF-P51-SS-G16	500X

CEF-P51-SS-G17	500X
CEF-P51-SS-G18	500X
CEF-P51-SS-T15R	8X
CEF-P51-SS-T16B	80X
CEF-P51-SS-T17B	10X
CEF-P51-SS-T17R	50X
CEF-P51-SS-T18R	5X
CEF-P51-SS-T18W	2X

High concentrations of chlordane were primarily responsible for the dilution.

ADDITIONAL COMMENTS

It should be noted that the laboratory did not provide the Percent Differences between Columns (Form Xs).

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution.

MEMO TO: MARK SPERANZA
DATE: JULY 31, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-G15			CEF-P51-SS-G16			CEF-P51-SS-G17			CEF-P51-SS-G18		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-12			F6917-8			F6917-5			F6917-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.2 %			89.5 %			87.7 %			85.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		1900	U		1900	U		2000	U	
4,4'-DDE	3.5	U		436	J	P	715	J	P	858	J	P
4,4'-DDT	3.5	U		1900	U		1900	U		2000	U	
ALDRIN	1.8	U		930	U		950	U		980	U	
ALPHA-BHC	1.8	U		930	U		950	U		980	U	
ALPHA-CHLORDANE	3.5	U		5540			9050			13100		
BETA-BHC	1.8	U		930	U		950	U		980	U	
CHLORDANE	18	U		45500			77200			102000		
DELTA-BHC	1.8	U		930	U		950	U		980	U	
DIELDRIN	1.8	U		267	J	P	438	J	P	456	J	P
ENDOSULFAN I	1.8	U		930	U		950	U		980	U	
ENDOSULFAN II	3.5	U		1900	U		1900	U		2000	U	
ENDOSULFAN SULFATE	3.5	U		1900	U		1900	U		2000	U	
ENDRIN	3.5	U		1900	U		1900	U		2000	U	
ENDRIN ALDEHYDE	3.5	U		1900	U		1900	U		2000	U	
ENDRIN KETONE	3.5	U		1900	U		1900	U		2000	U	
GAMMA-BHC (LINDANE)	1.8	U		930	U		950	U		980	U	
GAMMA-CHLORDANE	3.5	U		5570			9770			14100		
HEPTACHLOR	1.8	U		930	U		950	U		980	U	
HEPTACHLOR EPOXIDE	1.8	U		435	J	P	710	J	P	534	J	P
METHOXYCHLOR	7.1	U		3700	U		3800	U		3900	U	
TOXAPHENE	180	U		93000	U		95000	U		98000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T15R			CEF-P51-SS-T16B			CEF-P51-SS-T16R			CEF-P51-SS-T16W		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-13			F6917-11			F6917-9			F6917-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.8 %			88.4 %			83.5 %			92.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	29	U		300	U		4.0	U		3.6	U	
4,4'-DDE	7.6	J	P	300	U		4.0	U		2.7	J	P
4,4'-DDT	29	U		300	U		4.0	U		3.1	J	P
ALDRIN	14	U		150	U		2.0	U		1.8	U	
ALPHA-BHC	14	U		150	U		2.0	U		1.8	U	
ALPHA-CHLORDANE	50.4			296	J	P	3.1	J	P	3.6	U	
BETA-BHC	14	U		150	U		2.0	U		1.8	U	
CHLORDANE	467			2400			26.8			18	U	
DELTA-BHC	14	U		150	U		2.0	U		1.8	U	
DIELDRIN	120			1240			2.4			4.2		
ENDOSULFAN I	14	U		150	U		2.0	U		1.8	U	
ENDOSULFAN II	29	U		300	U		4.0	U		3.6	U	
ENDOSULFAN SULFATE	29	U		300	U		4.0	U		3.6	U	
ENDRIN	29	U		300	U		4.0	U		3.6	U	
ENDRIN ALDEHYDE	29	U		300	U		4.0	U		3.6	U	
ENDRIN KETONE	29	U		300	U		4.0	U		3.6	U	
GAMMA-BHC (LINDANE)	14	U		150	U		2.0	U		1.8	U	
GAMMA-CHLORDANE	47.2			266	J	P	2.9	J	P	3.6	U	
HEPTACHLOR	14	U		150	U		2.0	U		1.8	U	
HEPTACHLOR EPOXIDE	14	U		150	U		2.0	U		1.8	U	
METHOXYCHLOR	57	U		600	U		8.0	U		7.2	U	
TOXAPHENE	1400	U		15000	U		200	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T17B			CEF-P51-SS-T17R			CEF-P51-SS-T18B			CEF-P51-SS-T18R		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-6			F6917-7			F6917-4			F6917-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.3 %			88.4 %			88.0 %			90.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	38	U		190	U		3.8	U		18	U	
4,4'-DDE	23.2	J	P	190	U		3.8	U		18	U	
4,4'-DDT	38	U		190	U		3.8	U		18	U	
ALDRIN	19	U		94	U		1.9	U		9.2	U	
ALPHA-BHC	19	U		94	U		1.9	U		9.2	U	
ALPHA-CHLORDANE	203			190	U		3.8	U		10.2	J	P
BETA-BHC	19	U		94	U		1.9	U		9.2	U	
CHLORDANE	1720	J	P	940	U		19	U		92	U	
DELTA-BHC	19	U		94	U		1.9	U		9.2	U	
DIELDRIN	78.7			926			1.9	U		99.1		
ENDOSULFAN I	19	U		94	U		1.9	U		9.2	U	
ENDOSULFAN II	38	U		190	U		3.8	U		18	U	
ENDOSULFAN SULFATE	38	U		190	U		3.8	U		18	U	
ENDRIN	38	U		190	U		3.8	U		18	U	
ENDRIN ALDEHYDE	38	U		190	U		3.8	U		18	U	
ENDRIN KETONE	38	U		190	U		3.8	U		18	U	
GAMMA-BHC (LINDANE)	19	U		94	U		1.9	U		9.2	U	
GAMMA-CHLORDANE	162			190	U		3.8	U		5.6	J	P
HEPTACHLOR	19	U		94	U		1.9	U		9.2	U	
HEPTACHLOR EPOXIDE	10	J	P	94	U		1.9	U		9.2	U	
METHOXYCHLOR	75	U		380	U		7.6	U		37	U	
TOXAPHENE	3360	J	P	9400	U		190	U		920	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T18W											
SAMPLE DATE:	06/27/00			/ /			/ /			/ /		
LABORATORY ID:	F6917-3											
QC_TYPE:	NORMAL											
% SOLIDS:	92.1 %			100.0 %			100.0 %			100.0 %		
UNITS:	UG/KG											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	7.2	U										
4,4'-DDE	7.2	U										
4,4'-DDT	7.2	U										
ALDRIN	3.6	U										
ALPHA-BHC	3.6	U										
ALPHA-CHLORDANE	7.2	U										
BETA-BHC	3.6	U										
CHLORDANE	36	U										
DELTA-BHC	3.6	U										
DIELDRIN	52.6											
ENDOSULFAN I	3.6	U										
ENDOSULFAN II	7.2	U										
ENDOSULFAN SULFATE	7.2	U										
ENDRIN	7.2	U										
ENDRIN ALDEHYDE	7.2	U										
ENDRIN KETONE	7.2	U										
GAMMA-BHC (LINDANE)	3.6	U										
GAMMA-CHLORDANE	7.2	U										
HEPTACHLOR	3.6	U										
HEPTACHLOR EPOXIDE	3.6	U										
METHOXYCHLOR	14	U										
TOXAPHENE	360	U										

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-SS-G15		
Lab Sample ID:	F6917-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST05908.D	1	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND	3.5	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.1	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-144%
2051-24-3	Decachlorobiphenyl	98%		10-180%

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G16		
Lab Sample ID:	F6917-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05892.D	500	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	930	ug/kg	
319-84-6	alpha-BHC	ND	930	ug/kg	
319-85-7	beta-BHC	ND	930	ug/kg	
319-86-8	delta-BHC	ND	930	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	930	ug/kg	
12789-03-6	Chlordane	45500	9300	ug/kg	
5103-71-9	alpha-Chlordane	5540	1900	ug/kg	
5103-74-2	gamma-Chlordane	5570	1900	ug/kg	
60-57-1	Dieldrin	267	930	ug/kg	J
72-54-8	4,4'-DDD	ND	1900	ug/kg	
72-55-9	4,4'-DDE	436	1900	ug/kg	J
50-29-3	4,4'-DDT	ND	1900	ug/kg	
72-20-8	Endrin	ND	1900	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1900	ug/kg	
7421-93-4	Endrin aldehyde	ND	1900	ug/kg	
53494-70-5	Endrin ketone	ND	1900	ug/kg	
959-98-8	Endosulfan-I	ND	930	ug/kg	
33213-65-9	Endosulfan-II	ND	1900	ug/kg	
76-44-8	Heptachlor	ND	930	ug/kg	
1024-57-3	Heptachlor epoxide	435	930	ug/kg	J
72-43-5	Methoxychlor	ND	3700	ug/kg	
8001-35-2	Toxaphene	ND	93000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G17		
Lab Sample ID:	F6917-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05890.D	500	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	950	ug/kg	
319-84-6	alpha-BHC	ND	950	ug/kg	
319-85-7	beta-BHC	ND	950	ug/kg	
319-86-8	delta-BHC	ND	950	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	950	ug/kg	
12789-03-6	Chlordane	77200	9500	ug/kg	
5103-71-9	alpha-Chlordane	9050	1900	ug/kg	
5103-74-2	gamma-Chlordane	9770	1900	ug/kg	
60-57-1	Dieldrin	438	950	ug/kg	J
72-54-8	4,4'-DDD	ND	1900	ug/kg	
72-55-9	4,4'-DDE	715	1900	ug/kg	J
50-29-3	4,4'-DDT	ND	1900	ug/kg	
72-20-8	Endrin	ND	1900	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1900	ug/kg	
7421-93-4	Endrin aldehyde	ND	1900	ug/kg	
53494-70-5	Endrin ketone	ND	1900	ug/kg	
959-98-8	Endosulfan-I	ND	950	ug/kg	
33213-65-9	Endosulfan-II	ND	1900	ug/kg	
76-44-8	Heptachlor	ND	950	ug/kg	
1024-57-3	Heptachlor epoxide	710	950	ug/kg	J
72-43-5	Methoxychlor	ND	3800	ug/kg	
8001-35-2	Toxaphene	ND	95000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G18		
Lab Sample ID:	F6917-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05889.D	500	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	980	ug/kg	
319-84-6	alpha-BHC	ND	980	ug/kg	
319-85-7	beta-BHC	ND	980	ug/kg	
319-86-8	delta-BHC	ND	980	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	980	ug/kg	
12789-03-6	Chlordane	102000	9800	ug/kg	
5103-71-9	alpha-Chlordane	13100	2000	ug/kg	
5103-74-2	gamma-Chlordane	14100	2000	ug/kg	
60-57-1	Dieldrin	456	980	ug/kg	J
72-54-8	4,4'-DDD	ND	2000	ug/kg	
72-55-9	4,4'-DDE	858	2000	ug/kg	J
50-29-3	4,4'-DDT	ND	2000	ug/kg	
72-20-8	Endrin	ND	2000	ug/kg	
1031-07-8	Endosulfan sulfate	ND	2000	ug/kg	
7421-93-4	Endrin aldehyde	ND	2000	ug/kg	
53494-70-5	Endrin ketone	ND	2000	ug/kg	
959-98-8	Endosulfan-I	ND	980	ug/kg	
33213-65-9	Endosulfan-II	ND	2000	ug/kg	
76-44-8	Heptachlor	ND	980	ug/kg	
1024-57-3	Heptachlor epoxide	534	980	ug/kg	J
72-43-5	Methoxychlor	ND	3900	ug/kg	
8001-35-2	Toxaphene	ND	98000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15R		
Lab Sample ID:	F6917-13	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05902.D	8	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	14	ug/kg	
319-84-6	alpha-BHC	ND	14	ug/kg	
319-85-7	beta-BHC	ND	14	ug/kg	
319-86-8	delta-BHC	ND	14	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	14	ug/kg	
12789-03-6	Chlordane	467	140	ug/kg	
5103-71-9	alpha-Chlordane	50.4	29	ug/kg	
5103-74-2	gamma-Chlordane	47.2	29	ug/kg	
60-57-1	Dieldrin	120	14	ug/kg	
72-54-8	4,4'-DDD	ND	29	ug/kg	
72-55-9	4,4'-DDE	7.6	29	ug/kg	J
50-29-3	4,4'-DDT	ND	29	ug/kg	
72-20-8	Endrin	ND	29	ug/kg	
1031-07-8	Endosulfan sulfate	ND	29	ug/kg	
7421-93-4	Endrin aldehyde	ND	29	ug/kg	
53494-70-5	Endrin ketone	ND	29	ug/kg	
959-98-8	Endosulfan-I	ND	14	ug/kg	
33213-65-9	Endosulfan-II	ND	29	ug/kg	
76-44-8	Heptachlor	ND	14	ug/kg	
1024-57-3	Heptachlor epoxide	ND	14	ug/kg	
72-43-5	Methoxychlor	ND	57	ug/kg	
8001-35-2	Toxaphene	ND	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-144%
2051-24-3	Decachlorobiphenyl	80%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16B		
Lab Sample ID:	F6917-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05893.D	80	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	150	ug/kg	
319-84-6	alpha-BHC	ND	150	ug/kg	
319-85-7	beta-BHC	ND	150	ug/kg	
319-86-8	delta-BHC	ND	150	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	150	ug/kg	
12789-03-6	Chlordane	2400	1500	ug/kg	
5103-71-9	alpha-Chlordane	296	300	ug/kg	J
5103-74-2	gamma-Chlordane	266	300	ug/kg	J
60-57-1	Dieldrin	1240	150	ug/kg	
72-54-8	4,4'-DDD	ND	300	ug/kg	
72-55-9	4,4'-DDE	ND	300	ug/kg	
50-29-3	4,4'-DDT	ND	300	ug/kg	
72-20-8	Endrin	ND	300	ug/kg	
1031-07-8	Endosulfan sulfate	ND	300	ug/kg	
7421-93-4	Endrin aldehyde	ND	300	ug/kg	
53494-70-5	Endrin ketone	ND	300	ug/kg	
959-98-8	Endosulfan-I	ND	150	ug/kg	
33213-65-9	Endosulfan-II	ND	300	ug/kg	
76-44-8	Heptachlor	ND	150	ug/kg	
1024-57-3	Heptachlor epoxide	ND	150	ug/kg	
72-43-5	Methoxychlor	ND	600	ug/kg	
8001-35-2	Toxaphene	ND	15000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		50-144%
2051-24-3	Decachlorobiphenyl	88%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16R		
Lab Sample ID:	F6917-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05906.D	1	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	26.8	20	ug/kg	
5103-71-9	alpha-Chlordane	3.1	4.0	ug/kg	J
5103-74-2	gamma-Chlordane	2.9	4.0	ug/kg	J
60-57-1	Dieldrin	2.4	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND	4.0	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND	8.0	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		50-144%
2051-24-3	Decachlorobiphenyl	88%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16W		
Lab Sample ID:	F6917-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05907.D	1	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2 [a]	ST06019.D	1	07/17/00	SKW	07/07/00	OP1801	GST219

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	4.2	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	2.7	3.6	ug/kg	J
50-29-3	4,4'-DDT [b]	3.1 [c]	3.6	ug/kg	J
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.2	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	88%	50-144%
2051-24-3	Decachlorobiphenyl	94%	90%	10-180%

(a) All hits confirmed by dual column analysis.
(b) CCV outside of control limits due to sample matrix; confirmed by reanalysis. Results biased low.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T17B		
Lab Sample ID:	F6917-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05898.D	10	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2 [a]	ST05899.D	20	07/13/00	SKW	07/07/00	OP1801	GST217

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane [b]	1720 [c]	380	ug/kg	J
5103-71-9	alpha-Chlordane	203	38	ug/kg	
5103-74-2	gamma-Chlordane	162	38	ug/kg	
60-57-1	Dieldrin	78.7	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	23.2	38	ug/kg	J
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	10.0	19	ug/kg	J
72-43-5	Methoxychlor	ND	75	ug/kg	
8001-35-2	Toxaphene [b]	3360 [c]	3800	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	82%	50-144%
2051-24-3	Decachlorobiphenyl	106%	108%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T17R		
Lab Sample ID:	F6917-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05891.D	50	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	94	ug/kg	
319-84-6	alpha-BHC	ND	94	ug/kg	
319-85-7	beta-BHC	ND	94	ug/kg	
319-86-8	delta-BHC	ND	94	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	94	ug/kg	
12789-03-6	Chlordane	ND	940	ug/kg	
5103-71-9	alpha-Chlordane	ND	190	ug/kg	
5103-74-2	gamma-Chlordane	ND	190	ug/kg	
60-57-1	Dieldrin	926	94	ug/kg	
72-54-8	4,4'-DDD	ND	190	ug/kg	
72-55-9	4,4'-DDE	ND	190	ug/kg	
50-29-3	4,4'-DDT	ND	190	ug/kg	
72-20-8	Endrin	ND	190	ug/kg	
1031-07-8	Endosulfan sulfate	ND	190	ug/kg	
7421-93-4	Endrin aldehyde	ND	190	ug/kg	
53494-70-5	Endrin ketone	ND	190	ug/kg	
959-98-8	Endosulfan-I	ND	94	ug/kg	
33213-65-9	Endosulfan-II	ND	190	ug/kg	
76-44-8	Heptachlor	ND	94	ug/kg	
1024-57-3	Heptachlor epoxide	ND	94	ug/kg	
72-43-5	Methoxychlor	ND	380	ug/kg	
8001-35-2	Toxaphene	ND	9400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-144%
2051-24-3	Decachlorobiphenyl	108%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18B		
Lab Sample ID:	F6917-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST05905.D	1	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND	3.8	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND	7.6	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		50-144%
2051-24-3	Decachlorobiphenyl	91%		10-180%

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18R		
Lab Sample ID:	F6917-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05900.D	5	07/13/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.2	ug/kg	
319-84-6	alpha-BHC	ND	9.2	ug/kg	
319-85-7	beta-BHC	ND	9.2	ug/kg	
319-86-8	delta-BHC	ND	9.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.2	ug/kg	
12789-03-6	Chlordane	ND	92	ug/kg	
5103-71-9	alpha-Chlordane	10.2	18	ug/kg	J
5103-74-2	gamma-Chlordane	5.6	18	ug/kg	J
60-57-1	Dieldrin	99.1	9.2	ug/kg	
72-54-8	4,4'-DDD	ND	18	ug/kg	
72-55-9	4,4'-DDE	ND	18	ug/kg	
50-29-3	4,4'-DDT	ND	18	ug/kg	
72-20-8	Endrin	ND	18	ug/kg	
1031-07-8	Endosulfan sulfate	ND	18	ug/kg	
7421-93-4	Endrin aldehyde	ND	18	ug/kg	
53494-70-5	Endrin ketone	ND	18	ug/kg	
959-98-8	Endosulfan-I	ND	9.2	ug/kg	
33213-65-9	Endosulfan-II	ND	18	ug/kg	
76-44-8	Heptachlor	ND	9.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.2	ug/kg	
72-43-5	Methoxychlor	ND	37	ug/kg	
8001-35-2	Toxaphene	ND	920	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		50-144%
2051-24-3	Decachlorobiphenyl	101%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18W		
Lab Sample ID:	F6917-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05901.D	2	07/14/00	SKW	07/07/00	OP1801	GST217
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	3.6	ug/kg	
319-84-6	alpha-BHC	ND	3.6	ug/kg	
319-85-7	beta-BHC	ND	3.6	ug/kg	
319-86-8	delta-BHC	ND	3.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.6	ug/kg	
12789-03-6	Chlordane	ND	36	ug/kg	
5103-71-9	alpha-Chlordane	ND	7.2	ug/kg	
5103-74-2	gamma-Chlordane	ND	7.2	ug/kg	
60-57-1	Dieldrin	52.6	3.6	ug/kg	
72-54-8	4,4'-DDD	ND	7.2	ug/kg	
72-55-9	4,4'-DDE	ND	7.2	ug/kg	
50-29-3	4,4'-DDT	ND	7.2	ug/kg	
72-20-8	Endrin	ND	7.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.2	ug/kg	
53494-70-5	Endrin ketone	ND	7.2	ug/kg	
959-98-8	Endosulfan-I	ND	3.6	ug/kg	
33213-65-9	Endosulfan-II	ND	7.2	ug/kg	
76-44-8	Heptachlor	ND	3.6	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.6	ug/kg	
72-43-5	Methoxychlor	ND	14	ug/kg	
8001-35-2	Toxaphene	ND	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-144%
2051-24-3	Decachlorobiphenyl	83%		10-180%

(a) All hits confirmed by dual column analysis.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: **MARK SPERANZA** **DATE: JULY 31, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6929

SAMPLES: 20/Surface Soil

CEF-P51-DUP5	CEF-P51-DUP6
CEF-P51-SS-G02	CEF-P51-SS-G03
CEF-P51-SS-G04	CEF-P51-SS-G05
CEF-P51-SS-G06	CEF-P51-SS-T03B
CEF-P51-SS-T03R	CEF-P51-SS-T03W
CEF-P51-SS-T04B	CEF-P51-SS-T04R
CEF-P51-SS-T04W	CEF-P51-SS-T05B
CEF-P51-SS-T05R	CEF-P51-SS-T05W
CEF-P51-SS-T06B	CEF-P51-SS-T06R
CEF-P51-SS-T06W	CEF-P51-SS-T07B

OVERVIEW

The sample set for CTO 078, SDG F6929 Naval Air Station (NAS) Cecil Field; Florida consists of twenty (20) surface soil environmental sample. The samples were analyzed for pesticide organic compounds. Two (2) field duplicate pairs (CEF-P51-SS-G02/CEF-P51-DUP5 and CEF-P51-SS-T05W /CEF-P51-DUP6) were included within this SDG.

The samples were collected by Tetra Tech, NUS on June 28th, 2000 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 8081A 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 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.

MEMO TO: MARK SPERANZA
DATE: JULY 31, 2000 – PAGE 2

PESTICIDE/PCB FRACTION

The field duplicate pair (CEF-P51-SS-G02/CEF-P51-DUP5) RPD exceeded the 50% quality control limits for 4,4-'DDE, 4,4-DDT, alpha-Chlordane, Chlordane, and gamma-Chlordane. The positive and nondetected results were qualified as estimated (J) and (UJ), in the aforementioned pair.

The field duplicate pair (CEF-P51-SS-T05W/CEF-P51-DUP6) RPD exceeded the 50% quality control limits for alpha-Chlordane, Chlordane, gamma-Chlordane, and Dieldrin. The positive and nondetected results were qualified as estimated (J) and (UJ), in the aforementioned pair.

The following samples were analyzed at a dilution thus causing elevated reporting limits.

Sample	Dilution
CEF-P51-DUP5	200X
CEF-P51-DUP6	500X
CEF-P51-SS-G02	500X
CEF-P51-SS-G03	100X
CEF-P51-SS-G04	200X
CEF-P51-SS-G05	200X
CEF-P51-SS-T03W	20X
CEF-P51-SS-T04B	5X
CEF-P51-SS-T04R	25X
CEF-P51-SS-T05B	50X
CEF-P51-SS-T05R	4X
CEF-P51-SS-T05W	100X
CEF-P51-SS-T06B	250X
CEF-P51-SS-T06R	500X
CEF-P51-SS-T06W	4X
CEF-P51-SS-T07B	200X

Sample CEF-P51-SS-G04 exceeded the linear calibration range of the instrument for alpha-Chlordane and gamma-Chlordane. The laboratory did not perform a dilution; therefore, the positive results were qualified as estimated (J).

ADDITIONAL COMMENTS

It should be noted that the laboratory did not provide the Percent Differences between Columns (Form IXs).

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution. Several compounds in the field duplicate pair exceeded the quality control limits.

MEMO TO: MARK SPERANZA
DATE: JULY 31, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.
UJ	-	Nondetected results is estimated as a result of a technical noncomplicane.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-DUP5			CEF-P51-DUP6			CEF-P51-SS-G02			CEF-P51-SS-G03		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-19			F6929-20			F6929-1			F6929-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.3 %			86.1 %			84.9 %			87.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-G02			CEF-P51-SS-T05W								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	780	U		1900	U		2000	U		380	U	
4,4'-DDE	329	J	P	1900	U		717	J	P	93.8	J	P
4,4'-DDT	563	J	P	1900	U		2000	U		380	U	
ALDRIN	390	U		960	U		980	U		190	U	
ALPHA-BHC	390	U		960	U		980	U		190	U	
ALPHA-CHLORDANE	4590	J	G	753	J	P	12800	J	G	1280		
BETA-BHC	390	U		960	U		980	U		190	U	
CHLORDANE	35000	J	G	9600	U		122000	J	G	12600		
DELTA-BHC	390	U		960	U		980	U		190	U	
DIELDRIN	177	J	P	7550	J	G	258	J	P	132	J	P
ENDOSULFAN I	390	U		960	U		980	U		190	U	
ENDOSULFAN II	780	U		1900	U		2000	U		380	U	
ENDOSULFAN SULFATE	780	U		1900	U		2000	U		380	U	
ENDRIN	780	U		1900	U		2000	U		380	U	
ENDRIN ALDEHYDE	780	U		1900	U		2000	U		380	U	
ENDRIN KETONE	780	U		1900	U		2000	U		380	U	
GAMMA-BHC (LINDANE)	390	U		960	U		980	U		190	U	
GAMMA-CHLORDANE	4670	J	G	657	J	P	13800	J	G	1260		
HEPTACHLOR	390	U		960	U		980	U		190	U	
HEPTACHLOR EPOXIDE	273	J	P	960	U		508	J	P	46	J	P
METHOXYCHLOR	1600	U		3900	U		3900	U		760	U	
TOXAPHENE	39000	U		96000	U		98000	U		19000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-G04			CEF-P51-SS-G05			CEF-P51-SS-G06			CEF-P51-SS-T03B		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-9			F6929-13			F6929-17			F6929-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.7 %			89.4 %			87.8 %			86.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	770	U		740	U		3.8	U		3.8	U	
4,4'-DDE	533	J	P	252	J	P	3.8	U		3.8	U	
4,4'-DDT	770	U		740	U		15	U		15	U	
ALDRIN	380	U		370	U		1.9	U		1.9	U	
ALPHA-BHC	380	U		370	U		1.9	U		1.9	U	
ALPHA-CHLORDANE	6160	J	L	2860			3.6	J	P	3.8	U	
BETA-BHC	380	U		370	U		1.9	U		1.9	U	
CHLORDANE	59000			23700			19	U		19	U	
DELTA-BHC	380	U		370	U		1.9	U		1.9	U	
DIELDRIN	293	J	P	308	J	P	14.1			1.9	U	
ENDOSULFAN I	380	U		370	U		1.9	U		1.9	U	
ENDOSULFAN II	770	U		740	U		3.8	U		3.8	U	
ENDOSULFAN SULFATE	770	U		740	U		3.8	U		3.8	U	
ENDRIN	770	U		740	U		3.8	U		3.8	U	
ENDRIN ALDEHYDE	770	U		740	U		3.8	U		3.8	U	
ENDRIN KETONE	770	U		740	U		3.8	U		3.8	U	
GAMMA-BHC (LINDANE)	380	U		370	U		1.9	U		1.9	U	
GAMMA-CHLORDANE	6280	J	L	2830			1.5	J	P	3.8	U	
HEPTACHLOR	380	U		370	U		1.9	U		1.9	U	
HEPTACHLOR EPOXIDE	281	J	P	370	U		1.9	U		1.9	U	
METHOXYCHLOR	1500	U		1500	U		30	U		31	U	
TOXAPHENE	38000	U		37000	U		190	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T03R			CEF-P51-SS-T03W			CEF-P51-SS-T04B			CEF-P51-SS-T04R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-4			F6929-3			F6929-6			F6929-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	83.4 %			90.1 %			90.8 %			90.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.0	U		74	U		18	U		92	U	
4,4'-DDE	4.0	U		74	U		15.8	J	P	23.1	J	P
4,4'-DDT	16	U		74	U		18	U		92	U	
ALDRIN	2.0	U		37	U		9.2	U		46	U	
ALPHA-BHC	2.0	U		37	U		9.2	U		46	U	
ALPHA-CHLORDANE	4.0	U		43.2	J	P	32.7			95.1		
BETA-BHC	2.0	U		37	U		9.2	U		46	U	
CHLORDANE	20	U		386			246			676		
DELTA-BHC	2.0	U		37	U		9.2	U		46	U	
DIELDRIN	0.99	J	P	272			97			433		
ENDOSULFAN I	2.0	U		37	U		9.2	U		46	U	
ENDOSULFAN II	4.0	U		74	U		18	U		92	U	
ENDOSULFAN SULFATE	4.0	U		74	U		18	U		92	U	
ENDRIN	4.0	U		74	U		18	U		92	U	
ENDRIN ALDEHYDE	4.0	U		74	U		18	U		92	U	
ENDRIN KETONE	4.0	U		74	U		18	U		92	U	
GAMMA-BHC (LINDANE)	2.0	U		37	U		9.2	U		46	U	
GAMMA-CHLORDANE	4.0	U		30.5	J	P	21.1			74.2	J	P
HEPTACHLOR	2.0	U		37	U		9.2	U		46	U	
HEPTACHLOR EPOXIDE	2.0	U		37	U		3.9	J	P	46	U	
METHOXYCHLOR	32	U		150	U		37	U		180	U	
TOXAPHENE	200	U		3700	U		920	U		4600	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T04W			CEF-P51-SS-T05B			CEF-P51-SS-T05R			CEF-P51-SS-T05W		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-7			F6929-10			F6929-12			F6929-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.3 %			89.8 %			89.5 %			87.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		180	U		15	U		380	U	
4,4'-DDE	3.7	U		180	U		1.7	J	P	380	U	
4,4'-DDT	15	U		180	U		15	U		380	U	
ALDRIN	1.8	U		92	U		7.4	U		190	U	
ALPHA-BHC	1.8	U		92	U		7.4	U		190	U	
ALPHA-CHLORDANE	3.7	U		142	J	P	14.0	J	P	188	J	P
BETA-BHC	1.8	U		92	U		7.4	U		190	U	
CHLORDANE	18	U		1080			127			1540	J	P
DELTA-BHC	1.8	U		92	U		7.4	U		190	U	
DIELDRIN	2.4			770			49.9			2090	J	G
ENDOSULFAN I	1.8	U		92	U		7.4	U		190	U	
ENDOSULFAN II	3.7	U		180	U		15	U		380	U	
ENDOSULFAN SULFATE	3.7	U		180	U		15	U		380	U	
ENDRIN	3.7	U		180	U		15	U		380	U	
ENDRIN ALDEHYDE	3.7	U		180	U		15	U		380	U	
ENDRIN KETONE	3.7	U		180	U		15	U		380	U	
GAMMA-BHC (LINDANE)	1.8	U		92	U		7.4	U		190	U	
GAMMA-CHLORDANE	3.7	U		118	J	P	9.2	J	P	168	J	P
HEPTACHLOR	1.8	U		92	U		7.4	U		190	U	
HEPTACHLOR EPOXIDE	1.8	U		47.2	J	P	7.4	U		190	U	
METHOXYCHLOR	30	U		370	U		30	U		760	U	
TOXAPHENE	180	U		9200	U		740	U		19000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T06B			CEF-P51-SS-T06R			CEF-P51-SS-T06W			CEF-P51-SS-T07B		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-14			F6929-16			F6929-15			F6929-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.1 %			87.6 %			89.4 %			85.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	960	U		1900	U		15	U		780	U	
4,4'-DDE	418	J	P	1900	U		11.5	J	P	269	J	P
4,4'-DDT	960	U		1900	U		15	U		780	U	
ALDRIN	480	U		950	U		7.4	U		390	U	
ALPHA-BHC	480	U		950	U		7.4	U		390	U	
ALPHA-CHLORDANE	5870			525	J	P	93.2			1660		
BETA-BHC	480	U		950	U		7.4	U		390	U	
CHLORDANE	53400			9500	U		869	J	P	12600		
DELTA-BHC	480	U		950	U		7.4	U		390	U	
DIELDRIN	282	J	P	7640			24.9			3820		
ENDOSULFAN I	480	U		950	U		7.4	U		390	U	
ENDOSULFAN II	960	U		1900	U		15	U		780	U	
ENDOSULFAN SULFATE	960	U		1900	U		15	U		780	U	
ENDRIN	960	U		1900	U		15	U		780	U	
ENDRIN ALDEHYDE	960	U		1900	U		15	U		780	U	
ENDRIN KETONE	960	U		1900	U		15	U		780	U	
GAMMA-BHC (LINDANE)	480	U		950	U		7.4	U		390	U	
GAMMA-CHLORDANE	6030			433	J	P	77.3			1550		
HEPTACHLOR	480	U		950	U		7.4	U		390	U	
HEPTACHLOR EPOXIDE	231	J	P	950	U		6.4	J	P	390	U	
METHOXYCHLOR	1900	U		3800	U		30	U		1600	U	
TOXAPHENE	48000	U		95000	U		740	U		39000	U	

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-DUP5		
Lab Sample ID:	F6929-19	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05964.D	200	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	390	ug/kg	
319-84-6	alpha-BHC	ND	390	ug/kg	
319-85-7	beta-BHC	ND	390	ug/kg	
319-86-8	delta-BHC	ND	390	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	390	ug/kg	
12789-03-6	Chlordane	35000	3900	ug/kg	
5103-71-9	alpha-Chlordane	4590	780	ug/kg	
5103-74-2	gamma-Chlordane	4670	780	ug/kg	
60-57-1	Dieldrin	177	390	ug/kg	J
72-54-8	4,4'-DDD	ND	780	ug/kg	
72-55-9	4,4'-DDE	329	780	ug/kg	J
50-29-3	4,4'-DDT	563	780	ug/kg	J
72-20-8	Endrin	ND	780	ug/kg	
1031-07-8	Endosulfan sulfate	ND	780	ug/kg	
7421-93-4	Endrin aldehyde	ND	780	ug/kg	
53494-70-5	Endrin ketone	ND	780	ug/kg	
959-98-8	Endosulfan-I	ND	390	ug/kg	
33213-65-9	Endosulfan-II	ND	780	ug/kg	
76-44-8	Heptachlor	ND	390	ug/kg	
1024-57-3	Heptachlor epoxide	273	390	ug/kg	J
72-43-5	Methoxychlor	ND	1600	ug/kg	
8001-35-2	Toxaphene	ND	39000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP6		
Lab Sample ID:	F6929-20	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06023.D	500	07/17/00	SKW	07/10/00	OP1805	GST219
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	960	ug/kg	
319-84-6	alpha-BHC	ND	960	ug/kg	
319-85-7	beta-BHC	ND	960	ug/kg	
319-86-8	delta-BHC	ND	960	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	960	ug/kg	
12789-03-6	Chlordane	ND	9600	ug/kg	
5103-71-9	alpha-Chlordane	753	1900	ug/kg	J
5103-74-2	gamma-Chlordane	657	1900	ug/kg	J
60-57-1	Dieldrin	7550	960	ug/kg	
72-54-8	4,4'-DDD	ND	1900	ug/kg	
72-55-9	4,4'-DDE	ND	1900	ug/kg	
50-29-3	4,4'-DDT	ND	1900	ug/kg	
72-20-8	Endrin	ND	1900	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1900	ug/kg	
7421-93-4	Endrin aldehyde	ND	1900	ug/kg	
53494-70-5	Endrin ketone	ND	1900	ug/kg	
959-98-8	Endosulfan-I	ND	960	ug/kg	
33213-65-9	Endosulfan-II	ND	1900	ug/kg	
76-44-8	Heptachlor	ND	960	ug/kg	
1024-57-3	Heptachlor epoxide	ND	960	ug/kg	
72-43-5	Methoxychlor	ND	3900	ug/kg	
8001-35-2	Toxaphene	ND	96000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G02		
Lab Sample ID:	F6929-1	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05954.D	500	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	980	ug/kg	
319-84-6	alpha-BHC	ND	980	ug/kg	
319-85-7	beta-BHC	ND	980	ug/kg	
319-86-8	delta-BHC	ND	980	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	980	ug/kg	
12789-03-6	Chlordane	122000	9800	ug/kg	
5103-71-9	alpha-Chlordane	12800	2000	ug/kg	
5103-74-2	gamma-Chlordane	13800	2000	ug/kg	
60-57-1	Dieldrin	258	980	ug/kg	J
72-54-8	4,4'-DDD	ND	2000	ug/kg	
72-55-9	4,4'-DDE	717	2000	ug/kg	J
50-29-3	4,4'-DDT	ND	2000	ug/kg	
72-20-8	Endrin	ND	2000	ug/kg	
1031-07-8	Endosulfan sulfate	ND	2000	ug/kg	
7421-93-4	Endrin aldehyde	ND	2000	ug/kg	
53494-70-5	Endrin ketone	ND	2000	ug/kg	
959-98-8	Endosulfan-I	ND	980	ug/kg	
33213-65-9	Endosulfan-II	ND	2000	ug/kg	
76-44-8	Heptachlor	ND	980	ug/kg	
1024-57-3	Heptachlor epoxide	508	980	ug/kg	J
72-43-5	Methoxychlor	ND	3900	ug/kg	
8001-35-2	Toxaphene	ND	98000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G03		
Lab Sample ID:	F6929-5	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05955.D	100	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	190	ug/kg	
319-84-6	alpha-BHC	ND	190	ug/kg	
319-85-7	beta-BHC	ND	190	ug/kg	
319-86-8	delta-BHC	ND	190	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	190	ug/kg	
12789-03-6	Chlordane	12600	1900	ug/kg	
5103-71-9	alpha-Chlordane	1280	380	ug/kg	
5103-74-2	gamma-Chlordane	1260	380	ug/kg	
60-57-1	Dieldrin	132	190	ug/kg	J
72-54-8	4,4'-DDD	ND	380	ug/kg	
72-55-9	4,4'-DDE	93.8	380	ug/kg	J
50-29-3	4,4'-DDT	ND	380	ug/kg	
72-20-8	Endrin	ND	380	ug/kg	
1031-07-8	Endosulfan sulfate	ND	380	ug/kg	
7421-93-4	Endrin aldehyde	ND	380	ug/kg	
53494-70-5	Endrin ketone	ND	380	ug/kg	
959-98-8	Endosulfan-I	ND	190	ug/kg	
33213-65-9	Endosulfan-II	ND	380	ug/kg	
76-44-8	Heptachlor	ND	190	ug/kg	
1024-57-3	Heptachlor epoxide	46.2	190	ug/kg	J
72-43-5	Methoxychlor	ND	760	ug/kg	
8001-35-2	Toxaphene	ND	19000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-144%
2051-24-3	Decachlorobiphenyl	142%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G04		
Lab Sample ID:	F6929-9	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05956.D	200	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	380	ug/kg	
319-84-6	alpha-BHC	ND	380	ug/kg	
319-85-7	beta-BHC	ND	380	ug/kg	
319-86-8	delta-BHC	ND	380	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	380	ug/kg	
12789-03-6	Chlordane	59000	3800	ug/kg	
5103-71-9	alpha-Chlordane	6160	770	ug/kg	E
5103-74-2	gamma-Chlordane	6280	770	ug/kg	E
60-57-1	Dieldrin	293	380	ug/kg	J
72-54-8	4,4'-DDD	ND	770	ug/kg	
72-55-9	4,4'-DDE	533	770	ug/kg	J
50-29-3	4,4'-DDT	ND	770	ug/kg	
72-20-8	Endrin	ND	770	ug/kg	
1031-07-8	Endosulfan sulfate	ND	770	ug/kg	
7421-93-4	Endrin aldehyde	ND	770	ug/kg	
53494-70-5	Endrin ketone	ND	770	ug/kg	
959-98-8	Endosulfan-I	ND	380	ug/kg	
33213-65-9	Endosulfan-II	ND	770	ug/kg	
76-44-8	Heptachlor	ND	380	ug/kg	
1024-57-3	Heptachlor epoxide	281	380	ug/kg	J
72-43-5	Methoxychlor	ND	1500	ug/kg	
8001-35-2	Toxaphene	ND	38000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G05		
Lab Sample ID:	F6929-13	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05958.D	200	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	370	ug/kg	
319-84-6	alpha-BHC	ND	370	ug/kg	
319-85-7	beta-BHC	ND	370	ug/kg	
319-86-8	delta-BHC	ND	370	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	370	ug/kg	
12789-03-6	Chlordane	23700	3700	ug/kg	
5103-71-9	alpha-Chlordane	2860	740	ug/kg	
5103-74-2	gamma-Chlordane	2830	740	ug/kg	
60-57-1	Dieldrin	308	370	ug/kg	J
72-54-8	4,4'-DDD	ND	740	ug/kg	
72-55-9	4,4'-DDE	252	740	ug/kg	J
50-29-3	4,4'-DDT	ND	740	ug/kg	
72-20-8	Endrin	ND	740	ug/kg	
1031-07-8	Endosulfan sulfate	ND	740	ug/kg	
7421-93-4	Endrin aldehyde	ND	740	ug/kg	
53494-70-5	Endrin ketone	ND	740	ug/kg	
959-98-8	Endosulfan-I	ND	370	ug/kg	
33213-65-9	Endosulfan-II	ND	740	ug/kg	
76-44-8	Heptachlor	ND	370	ug/kg	
1024-57-3	Heptachlor epoxide	ND	370	ug/kg	
72-43-5	Methoxychlor	ND	1500	ug/kg	
8001-35-2	Toxaphene	ND	37000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G06		
Lab Sample ID:	F6929-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05979.D	1	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2 [b]	ST06028.D	4	07/17/00	SKW	07/10/00	OP1805	GST219

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	3.6	3.8	ug/kg	J
5103-74-2	gamma-Chlordane	1.5	3.8	ug/kg	J
60-57-1	Dieldrin	14.1	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [c]	15	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	30	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	92%	50-144%
2051-24-3	Decachlorobiphenyl	105%	108%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03B		
Lab Sample ID:	F6929-2	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST05974.D	1	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2 [a]	ST06025.D	4	07/17/00	SKW	07/10/00	OP1805	GST219

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	15	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	31	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	82%	50-144%
2051-24-3	Decachlorobiphenyl	100%	100%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03R		
Lab Sample ID:	F6929-4	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05977.D	1	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2 [b]	ST06026.D	4	07/17/00	SKW	07/10/00	OP1805	GST219

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	0.99	2.0	ug/kg	J
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [c]	16	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	32	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	71%	50-144%
2051-24-3	Decachlorobiphenyl	98%	84%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03W		
Lab Sample ID:	F6929-3	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05966.D	20	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	37	ug/kg	
319-84-6	alpha-BHC	ND	37	ug/kg	
319-85-7	beta-BHC	ND	37	ug/kg	
319-86-8	delta-BHC	ND	37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	37	ug/kg	
12789-03-6	Chlordane	386	370	ug/kg	
5103-71-9	alpha-Chlordane	43.2	74	ug/kg	J
5103-74-2	gamma-Chlordane	30.5	74	ug/kg	J
60-57-1	Dieldrin	272	37	ug/kg	
72-54-8	4,4'-DDD	ND	74	ug/kg	
72-55-9	4,4'-DDE	ND	74	ug/kg	
50-29-3	4,4'-DDT	ND	74	ug/kg	
72-20-8	Endrin	ND	74	ug/kg	
1031-07-8	Endosulfan sulfate	ND	74	ug/kg	
7421-93-4	Endrin aldehyde	ND	74	ug/kg	
53494-70-5	Endrin ketone	ND	74	ug/kg	
959-98-8	Endosulfan-I	ND	37	ug/kg	
33213-65-9	Endosulfan-II	ND	74	ug/kg	
76-44-8	Heptachlor	ND	37	ug/kg	
1024-57-3	Heptachlor epoxide	ND	37	ug/kg	
72-43-5	Methoxychlor	ND	150	ug/kg	
8001-35-2	Toxaphene	ND	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04B		
Lab Sample ID:	F6929-6	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05967.D	5	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.2	ug/kg	
319-84-6	alpha-BHC	ND	9.2	ug/kg	
319-85-7	beta-BHC	ND	9.2	ug/kg	
319-86-8	delta-BHC	ND	9.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.2	ug/kg	
12789-03-6	Chlordane	246	92	ug/kg	
5103-71-9	alpha-Chlordane	32.7	18	ug/kg	
5103-74-2	gamma-Chlordane	21.1	18	ug/kg	
60-57-1	Dieldrin	97.0	9.2	ug/kg	
72-54-8	4,4'-DDD	ND	18	ug/kg	
72-55-9	4,4'-DDE	15.8	18	ug/kg	J
50-29-3	4,4'-DDT	ND	18	ug/kg	
72-20-8	Endrin	ND	18	ug/kg	
1031-07-8	Endosulfan sulfate	ND	18	ug/kg	
7421-93-4	Endrin aldehyde	ND	18	ug/kg	
53494-70-5	Endrin ketone	ND	18	ug/kg	
959-98-8	Endosulfan-I	ND	9.2	ug/kg	
33213-65-9	Endosulfan-II	ND	18	ug/kg	
76-44-8	Heptachlor	ND	9.2	ug/kg	
1024-57-3	Heptachlor epoxide	3.9	9.2	ug/kg	J
72-43-5	Methoxychlor	ND	37	ug/kg	
8001-35-2	Toxaphene	ND	920	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		50-144%
2051-24-3	Decachlorobiphenyl	105%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04R		
Lab Sample ID:	F6929-8	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05968.D	25	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	46	ug/kg	
319-84-6	alpha-BHC	ND	46	ug/kg	
319-85-7	beta-BHC	ND	46	ug/kg	
319-86-8	delta-BHC	ND	46	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	46	ug/kg	
12789-03-6	Chlordane	676	460	ug/kg	
5103-71-9	alpha-Chlordane	95.2	92	ug/kg	
5103-74-2	gamma-Chlordane	74.2	92	ug/kg	J
60-57-1	Dieldrin	433	46	ug/kg	
72-54-8	4,4'-DDD	ND	92	ug/kg	
72-55-9	4,4'-DDE	23.1	92	ug/kg	J
50-29-3	4,4'-DDT	ND	92	ug/kg	
72-20-8	Endrin	ND	92	ug/kg	
1031-07-8	Endosulfan sulfate	ND	92	ug/kg	
7421-93-4	Endrin aldehyde	ND	92	ug/kg	
53494-70-5	Endrin ketone	ND	92	ug/kg	
959-98-8	Endosulfan-I	ND	46	ug/kg	
33213-65-9	Endosulfan-II	ND	92	ug/kg	
76-44-8	Heptachlor	ND	46	ug/kg	
1024-57-3	Heptachlor epoxide	ND	46	ug/kg	
72-43-5	Methoxychlor	ND	180	ug/kg	
8001-35-2	Toxaphene	ND	4600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04W		
Lab Sample ID:	F6929-7	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05978.D	1	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2 [b]	ST06027.D	4	07/17/00	SKW	07/10/00	OP1805	GST219

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	2.4	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	15	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	30	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	91%	50-144%
2051-24-3	Decachlorobiphenyl	102%	105%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05B		
Lab Sample ID:	F6929-10	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05969.D	50	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	92	ug/kg	
319-84-6	alpha-BHC	ND	92	ug/kg	
319-85-7	beta-BHC	ND	92	ug/kg	
319-86-8	delta-BHC	ND	92	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	92	ug/kg	
12789-03-6	Chlordane	1080	920	ug/kg	
5103-71-9	alpha-Chlordane	142	180	ug/kg	J
5103-74-2	gamma-Chlordane	118	180	ug/kg	J
60-57-1	Dieldrin	770	92	ug/kg	
72-54-8	4,4'-DDD	ND	180	ug/kg	
72-55-9	4,4'-DDE	ND	180	ug/kg	
50-29-3	4,4'-DDT	ND	180	ug/kg	
72-20-8	Endrin	ND	180	ug/kg	
1031-07-8	Endosulfan sulfate	ND	180	ug/kg	
7421-93-4	Endrin aldehyde	ND	180	ug/kg	
53494-70-5	Endrin ketone	ND	180	ug/kg	
959-98-8	Endosulfan-I	ND	92	ug/kg	
33213-65-9	Endosulfan-II	ND	180	ug/kg	
76-44-8	Heptachlor	ND	92	ug/kg	
1024-57-3	Heptachlor epoxide	47.2	92	ug/kg	J
72-43-5	Methoxychlor	ND	370	ug/kg	
8001-35-2	Toxaphene	ND	9200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-144%
2051-24-3	Decachlorobiphenyl	120%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05R		
Lab Sample ID:	F6929-12	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05970.D	4	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	7.4	ug/kg	
319-85-7	beta-BHC	ND	7.4	ug/kg	
319-86-8	delta-BHC	ND	7.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.4	ug/kg	
12789-03-6	Chlordane	127	74	ug/kg	
5103-71-9	alpha-Chlordane	14.0	15	ug/kg	J
5103-74-2	gamma-Chlordane	9.2	15	ug/kg	J
60-57-1	Dieldrin	49.9	7.4	ug/kg	
72-54-8	4,4'-DDD	ND	15	ug/kg	
72-55-9	4,4'-DDE	1.7	15	ug/kg	J
50-29-3	4,4'-DDT	ND	15	ug/kg	
72-20-8	Endrin	ND	15	ug/kg	
1031-07-8	Endosulfan sulfate	ND	15	ug/kg	
7421-93-4	Endrin aldehyde	ND	15	ug/kg	
53494-70-5	Endrin ketone	ND	15	ug/kg	
959-98-8	Endosulfan-I	ND	7.4	ug/kg	
33213-65-9	Endosulfan-II	ND	15	ug/kg	
76-44-8	Heptachlor	ND	7.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.4	ug/kg	
72-43-5	Methoxychlor	ND	30	ug/kg	
8001-35-2	Toxaphene	ND	740	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		50-144%
2051-24-3	Decachlorobiphenyl	106%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05W		
Lab Sample ID:	F6929-11	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05957.D	100	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	190	ug/kg	
319-84-6	alpha-BHC	ND	190	ug/kg	
319-85-7	beta-BHC	ND	190	ug/kg	
319-86-8	delta-BHC	ND	190	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	190	ug/kg	
12789-03-6	Chlordane	1540	1900	ug/kg	J
5103-71-9	alpha-Chlordane	188	380	ug/kg	J
5103-74-2	gamma-Chlordane	168	380	ug/kg	J
60-57-1	Dieldrin	2090	190	ug/kg	
72-54-8	4,4'-DDD	ND	380	ug/kg	
72-55-9	4,4'-DDE	ND	380	ug/kg	
50-29-3	4,4'-DDT	ND	380	ug/kg	
72-20-8	Endrin	ND	380	ug/kg	
1031-07-8	Endosulfan sulfate	ND	380	ug/kg	
7421-93-4	Endrin aldehyde	ND	380	ug/kg	
53494-70-5	Endrin ketone	ND	380	ug/kg	
959-98-8	Endosulfan-I	ND	190	ug/kg	
33213-65-9	Endosulfan-II	ND	380	ug/kg	
76-44-8	Heptachlor	ND	190	ug/kg	
1024-57-3	Heptachlor epoxide	ND	190	ug/kg	
72-43-5	Methoxychlor	ND	760	ug/kg	
8001-35-2	Toxaphene	ND	19000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		50-144%
2051-24-3	Decachlorobiphenyl	130%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06B		
Lab Sample ID:	F6929-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05959.D	250	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	480	ug/kg	
319-84-6	alpha-BHC	ND	480	ug/kg	
319-85-7	beta-BHC	ND	480	ug/kg	
319-86-8	delta-BHC	ND	480	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	480	ug/kg	
12789-03-6	Chlordane	53400	4800	ug/kg	
5103-71-9	alpha-Chlordane	5870	960	ug/kg	
5103-74-2	gamma-Chlordane	6030	960	ug/kg	
60-57-1	Dieldrin	282	480	ug/kg	J
72-54-8	4,4'-DDD	ND	960	ug/kg	
72-55-9	4,4'-DDE	418	960	ug/kg	J
50-29-3	4,4'-DDT	ND	960	ug/kg	
72-20-8	Endrin	ND	960	ug/kg	
1031-07-8	Endosulfan sulfate	ND	960	ug/kg	
7421-93-4	Endrin aldehyde	ND	960	ug/kg	
53494-70-5	Endrin ketone	ND	960	ug/kg	
959-98-8	Endosulfan-I	ND	480	ug/kg	
33213-65-9	Endosulfan-II	ND	960	ug/kg	
76-44-8	Heptachlor	ND	480	ug/kg	
1024-57-3	Heptachlor epoxide	231	480	ug/kg	J
72-43-5	Methoxychlor	ND	1900	ug/kg	
8001-35-2	Toxaphene	ND	48000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06R		
Lab Sample ID:	F6929-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06022.D	500	07/17/00	SKW	07/10/00	OP1805	GST219
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	950	ug/kg	
319-84-6	alpha-BHC	ND	950	ug/kg	
319-85-7	beta-BHC	ND	950	ug/kg	
319-86-8	delta-BHC	ND	950	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	950	ug/kg	
12789-03-6	Chlordane	ND	9500	ug/kg	
5103-71-9	alpha-Chlordane	525	1900	ug/kg	J
5103-74-2	gamma-Chlordane	433	1900	ug/kg	J
60-57-1	Dieldrin	7640	950	ug/kg	
72-54-8	4,4'-DDD	ND	1900	ug/kg	
72-55-9	4,4'-DDE	ND	1900	ug/kg	
50-29-3	4,4'-DDT	ND	1900	ug/kg	
72-20-8	Endrin	ND	1900	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1900	ug/kg	
7421-93-4	Endrin aldehyde	ND	1900	ug/kg	
53494-70-5	Endrin ketone	ND	1900	ug/kg	
959-98-8	Endosulfan-I	ND	950	ug/kg	
33213-65-9	Endosulfan-II	ND	1900	ug/kg	
76-44-8	Heptachlor	ND	950	ug/kg	
1024-57-3	Heptachlor epoxide	ND	950	ug/kg	
72-43-5	Methoxychlor	ND	3800	ug/kg	
8001-35-2	Toxaphene	ND	95000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06W		
Lab Sample ID:	F6929-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05971.D	4	07/15/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	7.4	ug/kg	
319-85-7	beta-BHC	ND	7.4	ug/kg	
319-86-8	delta-BHC	ND	7.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.4	ug/kg	
12789-03-6	Chlordane [b]	869	74	ug/kg	J
5103-71-9	alpha-Chlordane	93.2	15	ug/kg	
5103-74-2	gamma-Chlordane	77.3	15	ug/kg	
60-57-1	Dieldrin	24.9	7.4	ug/kg	
72-54-8	4,4'-DDD	ND	15	ug/kg	
72-55-9	4,4'-DDE	11.5	15	ug/kg	J
50-29-3	4,4'-DDT	ND	15	ug/kg	
72-20-8	Endrin	ND	15	ug/kg	
1031-07-8	Endosulfan sulfate	ND	15	ug/kg	
7421-93-4	Endrin aldehyde	ND	15	ug/kg	
53494-70-5	Endrin ketone	ND	15	ug/kg	
959-98-8	Endosulfan-I	ND	7.4	ug/kg	
33213-65-9	Endosulfan-II	ND	15	ug/kg	
76-44-8	Heptachlor	ND	7.4	ug/kg	
1024-57-3	Heptachlor epoxide	6.4	7.4	ug/kg	J
72-43-5	Methoxychlor	ND	30	ug/kg	
8001-35-2	Toxaphene	ND	740	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		50-144%
2051-24-3	Decachlorobiphenyl	106%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T07B		
Lab Sample ID:	F6929-18	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST05961.D	200	07/14/00	SKW	07/10/00	OP1805	GST218
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	390	ug/kg	
319-84-6	alpha-BHC	ND	390	ug/kg	
319-85-7	beta-BHC	ND	390	ug/kg	
319-86-8	delta-BHC	ND	390	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	390	ug/kg	
12789-03-6	Chlordane	12600	3900	ug/kg	
5103-71-9	alpha-Chlordane	1660	780	ug/kg	
5103-74-2	gamma-Chlordane	1550	780	ug/kg	
60-57-1	Dieldrin	3820	390	ug/kg	
72-54-8	4,4'-DDD	ND	780	ug/kg	
72-55-9	4,4'-DDE	269	780	ug/kg	J
50-29-3	4,4'-DDT	ND	780	ug/kg	
72-20-8	Endrin	ND	780	ug/kg	
1031-07-8	Endosulfan sulfate	ND	780	ug/kg	
7421-93-4	Endrin aldehyde	ND	780	ug/kg	
53494-70-5	Endrin ketone	ND	780	ug/kg	
959-98-8	Endosulfan-I	ND	390	ug/kg	
33213-65-9	Endosulfan-II	ND	780	ug/kg	
76-44-8	Heptachlor	ND	390	ug/kg	
1024-57-3	Heptachlor epoxide	ND	390	ug/kg	
72-43-5	Methoxychlor	ND	1600	ug/kg	
8001-35-2	Toxaphene	ND	39000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: **MARK SPERANZA** **DATE: AUGUST 4, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6951

SAMPLES: 20/Surface Soil

CEF-P51-SS-110	CEF-P51-SS-111
CEF-P51-SS-112	CEF-P51-SS-113
CEF-P51-SS-114	CEF-P51-SS-115
CEF-P51-SS-116	CEF-P51-SS-117
CEF-P51-SS-118	CEF-P51-SS-119
CEF-P51-SS-120	CEF-P51-SS-121
CEF-P51-SS-122	CEF-P51-SS-123
CEF-P51-SS-124	CEF-P51-SS-125
CEF-P51-SS-126	CEF-P51-SS-127
CEF-P51-SS-128	CEF-P51-SS-129
CEF-P51-SS-DUP8	CEF-P51-SS-DUP9

OVERVIEW

The sample set for CTO 078, SDG F6951 Naval Air Station (NAS) Cecil Field; Florida consists of twenty (20) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. Two (2) field duplicate pairs (CEF-P51-SS-111/CEF-P51-SS-DUP8 and CEF-P51-SS-121/CEF-P51-SS-DUP9 were included within this SDG.

The samples were collected by Tetra Tech, NUS on June 28th, 2000 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 8081A 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 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.

PESTICIDE/PCB FRACTION

In several samples, 4,4'-DDT, Heptachlor, and Methoxychlor were analyzed at a 10X dilution.

ADDITIONAL COMMENTS

It should be noted that the laboratory did not provide the Percent Differences between Columns (Form Xs).

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution.

MEMO TO: MARK SPERANZA
DATE: AUGUST 4, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-110			CEF-P51-SS-111			CEF-P51-SS-112			CEF-P51-SS-113		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-1			F6951-2			F6951-3			F6951-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			92.2 %			95.0 %			87.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.6	U		3.5	U		3.8	U	
4,4'-DDE	3.6	U		3.6	U		3.5	U		3.8	U	
4,4'-DDT	36	U		36	U		35	U		38	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.6	U		3.6	U		3.5	U		3.8	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	18	U		18	U		18	U		19	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	1.8	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.6	U		3.6	U		3.5	U		3.8	U	
ENDOSULFAN SULFATE	3.6	U		3.6	U		3.5	U		3.8	U	
ENDRIN	3.6	U		3.6	U		3.5	U		3.8	U	
ENDRIN ALDEHYDE	3.6	U		3.6	U		3.5	U		3.8	U	
ENDRIN KETONE	3.6	U		3.6	U		3.5	U		3.8	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.6	U		3.6	U		3.5	U		3.8	U	
HEPTACHLOR	1.8	U		1.8	U		1.8	U		1.9	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	72	U		72	U		70	U		76	U	
TOXAPHENE	180	U		180	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-114			CEF-P51-SS-116			CEF-P51-SS-117			CEF-P51-SS-118		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-5			F6951-6			F6951-7			F6951-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.4 %			93.0 %			92.6 %			91.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.8	U		3.6	U		3.6	U		3.6	U	
4,4'-DDE	3.8	U		3.6	U		3.6	U		3.6	U	
4,4'-DDT	38	U		36	U		36	U		36	U	
ALDRIN	1.9	U		1.8	U		1.8	U		5.7		
ALPHA-BHC	1.9	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.8	U		5.6			3.6	U		3.6	U	
BETA-BHC	1.9	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	19	U		18	U		18	U		18	U	
DELTA-BHC	1.9	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	1.9	U		5.8			1.8	U		12.6		
ENDOSULFAN I	1.9	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.8	U		3.6	U		3.6	U		3.6	U	
ENDOSULFAN SULFATE	3.8	U		3.6	U		3.6	U		3.6	U	
ENDRIN	3.8	U		3.6	U		3.6	U		3.6	U	
ENDRIN ALDEHYDE	3.8	U		3.6	U		3.6	U		3.6	U	
ENDRIN KETONE	3.8	U		3.6	U		3.6	U		3.6	U	
GAMMA-BHC (LINDANE)	1.9	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.8	U		2.6	J	P	3.6	U		3.6	U	
HEPTACHLOR	1.9	U		1.8	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.9	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	75	U		72	U		72	U		72	U	
TOXAPHENE	190	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-119			CEF-P51-SS-120			CEF-P51-SS-121			CEF-P51-SS-122		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-9			F6951-10			F6951-11			F6951-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			90.2 %			87.1 %			92.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.7	U		3.8	U		3.6	U	
4,4'-DDE	3.6	U		3.7	U		3.8	U		3.6	U	
4,4'-DDT	36	U		37	U		38	U		36	U	
ALDRIN	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		3.7	U		3.8	U		3.6	U	
BETA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
CHLORDANE	18	U		18	U		19	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
DIELDRIN	1.8	U		1.8	U		1.9	U		1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.9	U		1.8	U	
ENDOSULFAN II	3.6	U		3.7	U		3.8	U		3.6	U	
ENDOSULFAN SULFATE	3.6	U		3.7	U		3.8	U		3.6	U	
ENDRIN	3.6	U		3.7	U		3.8	U		3.6	U	
ENDRIN ALDEHYDE	3.6	U		3.7	U		3.8	U		3.6	U	
ENDRIN KETONE	3.6	U		3.7	U		3.8	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.9	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		3.7	U		3.8	U		3.6	U	
HEPTACHLOR	18	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.9	U		1.8	U	
METHOXYCHLOR	72	U		74	U		76	U		72	U	
TOXAPHENE	180	U		180	U		190	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-124	CEF-P51-SS-125	CEF-P51-SS-126	CEF-P51-SS-127
SAMPLE DATE:	06/29/00	06/28/00	06/28/00	06/28/00
LABORATORY ID:	F6951-13	F6951-14	F6951-15	F6951-16
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	92.2 %	93.4 %	95.2 %	90.1 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.6	U		3.5	U		3.7	U	
4,4'-DDE	3.6	U		3.6	U		3.5	U		3.7	U	
4,4'-DDT	36	U		36	U		35	U		37	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		3.6	U		3.5	U		3.7	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	18	U		18	U		18	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	18.2			119			2.6			6.7		
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.6	U		3.6	U		3.5	U		3.7	U	
ENDOSULFAN SULFATE	3.6	U		3.6	U		3.5	U		3.7	U	
ENDRIN	3.6	U		3.6	U		3.5	U		3.7	U	
ENDRIN ALDEHYDE	3.6	U		3.6	U		3.5	U		3.7	U	
ENDRIN KETONE	3.6	U		3.6	U		3.5	U		3.7	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		3.6	U		3.5	U		3.7	U	
HEPTACHLOR	18	U		18	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	72	U		71	U		70	U		74	U	
TOXAPHENE	180	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-128			CEF-P51-SS-129			CEF-P51-SS-DUP8			CEF-P51-SS-DUP9		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6951-17			F6951-18			F6951-19			F6951-20		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.4 %			84.1 %			93.5 %			88.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:							CEF-P51-SS-111			CEF-P51-SS-121		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.9	U		4.0	U		3.6	U		3.8	U	
4,4'-DDE	4.9			4.0	U		3.6	U		3.8	U	
4,4'-DDT	39	U		40	U		36	U		38	U	
ALDRIN	2.0	U		2.0	U		1.8	U		1.9	U	
ALPHA-BHC	2.0	U		2.0	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	7.6			4.0	U		3.6	U		3.8	U	
BETA-BHC	2.0	U		2.0	U		1.8	U		1.9	U	
CHLORDANE	62			20	U		18	U		19	U	
DELTA-BHC	2.0	U		2.0	U		1.8	U		1.9	U	
DIELDRIN	32.1			2.0	U		1.8	U		1.9	U	
ENDOSULFAN I	2.0	U		2.0	U		1.8	U		1.9	U	
ENDOSULFAN II	3.9	U		4.0	U		3.6	U		3.8	U	
ENDOSULFAN SULFATE	3.9	U		4.0	U		3.6	U		3.8	U	
ENDRIN	3.9	U		4.0	U		3.6	U		3.8	U	
ENDRIN ALDEHYDE	3.9	U		4.0	U		3.6	U		3.8	U	
ENDRIN KETONE	3.9	U		4.0	U		3.6	U		3.8	U	
GAMMA-BHC (LINDANE)	2.0	U		2.0	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	4.4			4.0	U		3.6	U		3.8	U	
HEPTACHLOR	20	U		20	U		18	U		19	U	
HEPTACHLOR EPOXIDE	2.0	U		2.0	U		1.8	U		1.9	U	
METHOXYCHLOR	78	U		79	U		71	U		75	U	
TOXAPHENE	200	U		200	U		180	U		190	U	

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-SS-110		
Lab Sample ID:	F6951-1	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08171.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08137.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1,8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	113%	50-144%
2051-24-3	Decachlorobiphenyl	89%	129%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-111		
Lab Sample ID:	F6951-2	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08172.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08138.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	112%	50-144%
2051-24-3	Decachlorobiphenyl	86%	128%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-112		
Lab Sample ID:	F6951-3	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08173.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08139.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	111%	50-144%
2051-24-3	Decachlorobiphenyl	80%	128%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-113		
Lab Sample ID:	F6951-4	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08174.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08140.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%	93%	50-144%
2051-24-3	Decachlorobiphenyl	78%	114%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-114		
Lab Sample ID:	F6951-5	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08175.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08141.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	99%	50-144%
2051-24-3	Decachlorobiphenyl	71%	107%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-116		
Lab Sample ID:	F6951-6	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08176.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08142.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	5.6	3.6	ug/kg	
5103-74-2	gamma-Chlordane	2.6	3.6	ug/kg	J
60-57-1	Dieldrin	5.8	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	115%	50-144%
2051-24-3	Decachlorobiphenyl	102%	148%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-117		
Lab Sample ID:	F6951-7	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08179.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08145.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	108%	50-144%
2051-24-3	Decachlorobiphenyl	82%	123%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-118		
Lab Sample ID:	F6951-8	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08180.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [b]	MN08146.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	5.7	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	12.4	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	110%	50-144%
2051-24-3	Decachlorobiphenyl	80%	121%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-119		
Lab Sample ID:	F6951-9	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08181.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08147.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	96%	50-144%
2051-24-3	Decachlorobiphenyl	88%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-120		
Lab Sample ID:	F6951-10	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08182.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08148.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	110%	50-144%
2051-24-3	Decachlorobiphenyl	83%	120%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-121		
Lab Sample ID:	F6951-11	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08183.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08149.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%	95%	50-144%
2051-24-3	Decachlorobiphenyl	73%	118%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-122		
Lab Sample ID:	F6951-12	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08184.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08150.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%	93%	50-144%
2051-24-3	Decachlorobiphenyl	75%	113%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-124		
Lab Sample ID:	F6951-13	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08189.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [b]	MN08151.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	18.2	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	100%	50-144%
2051-24-3	Decachlorobiphenyl	75%	114%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-125		
Lab Sample ID:	F6951-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08190.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08152.D	10	07/19/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin [b]	119 [c]	18	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	113%	50-144%
2051-24-3	Decachlorobiphenyl	80%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-126		
Lab Sample ID:	F6951-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08191.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [b]	MN08155.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	2.6	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [c]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	107%	50-144%
2051-24-3	Decachlorobiphenyl	75%	125%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-127		
Lab Sample ID:	F6951-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08192.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [b]	MN08156.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	6.7	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	111%	50-144%
2051-24-3	Decachlorobiphenyl	72%	123%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-128		
Lab Sample ID:	F6951-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08193.D	1	07/20/00	SKW	07/10/00	OP1807	GMN322
Run #2 [b]	MN08157.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	62.0	20	ug/kg	
5103-71-9	alpha-Chlordane	7.6	3.9	ug/kg	
5103-74-2	gamma-Chlordane	4.4	3.9	ug/kg	
60-57-1	Dieldrin	32.1	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	4.9	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [c]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	78	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	104%	50-144%
2051-24-3	Decachlorobiphenyl	65%	115%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-129		
Lab Sample ID:	F6951-18	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08194.D	1	07/21/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08158.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [b]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	79	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%	100%	50-144%
2051-24-3	Decachlorobiphenyl	65%	124%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP8		
Lab Sample ID:	F6951-19	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08195.D	1	07/21/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08159.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	111%	50-144%
2051-24-3	Decachlorobiphenyl	75%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP9		
Lab Sample ID:	F6951-20	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08196.D	1	07/21/00	SKW	07/10/00	OP1807	GMN322
Run #2 [a]	MN08160.D	10	07/20/00	SKW	07/10/00	OP1807	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%	100%	50-144%
2051-24-3	Decachlorobiphenyl	67%	127%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-032

TO: MARK SPERANZA **DATE:** AUGUST 4, 2000

FROM: JUSTIN ORBICH **CC:** DV FILE

SUBJECT: ORGANIC DATA VALIDATION – PEST
CTO 078 – NAS CECIL FIELD
SDG F6918

SAMPLES: 20/Surface Soil

CEF-P51-SS-DUP1	CEF-P51-SS-DUP2
CEF-P51-SS-DUP3	CEF-P51-SS-G11
CEF-P51-SS-G12	CEF-P51-SS-G13
CEF-P51-SS-G14	CEF-P51-SS-T11B
CEF-P51-SS-T11R	CEF-P51-SS-T11W
CEF-P51-SS-T12B	CEF-P51-SS-T12R
CEF-P51-SS-T12W	CEF-P51-SS-T13B
CEF-P51-SS-T13R	CEF-P51-SS-T14B
CEF-P51-SS-T14R	CEF-P51-SS-T14W
CEF-P51-SS-T15B	CEF-P51-SS-T15W

OVERVIEW

The sample set for CTO 078, SDG F6918 Naval Air Station (NAS) Cecil Field; Florida consists of twenty (20) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. Three (3) field duplicate pairs (CEF-P51-SS-T13R/CEF-P51-DUP1, CEF-P51-SS-T16B/CEF-P51-DUP2, and CEF-P51-SS-G14/CEF-P51-DUP3) were included within this SDG.

The samples were collected by Tetra Tech, NUS on June 27th, 2000 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 8081A 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 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.

PESTICIDE/PCB FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits.

Sample	Dilution
CEF-P51-SS-DUP1	8X
CEF-P51-SS-DUP2	40X
CEF-P51-SS-G11	250X
CEF-P51-SS-G12	200X
CEF-P51-SS-T11B	10X
CEF-P51-SS-T11R	10X
CEF-P51-SS-T11W	5X
CEF-P51-SS-T12B	8X
CEF-P51-SS-T12R	8X
CEF-P51-SS-T12W	20X
CEF-P51-SS-T13B	50X
CEF-P51-SS-T13R	8X
CEF-P51-SS-T14B	100X
CEF-P51-SS-T14W	10X
CEF-P51-SS-T15B	5X

The field duplicate pair (CEF-P51-SS-G14/CEF-P51-DUP3) Relative Percent Difference (RPD) exceeded the 50% upper control limit for Dieldrin. The positive results were qualified as estimated (J).

It should be noted that the associated sample, CEF-P51-SS-T16B, to field duplicate, CEF-P51-DUP2, was not included within this SDG.

ADDITIONAL COMMENTS

It should be noted that the laboratory did not provide the Percent Differences between Columns (Form Xs).

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution. The field duplicate pair RPD exceeded the quality control limit for Dieldrin.

MEMO TO: **MARK SPERANZA**
DATE: **AUGUST 4, 2000 – PAGE 3**

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.
UJ	-	Nondetected results is estimated as a result of a technical noncomplicane.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-DUP1			CEF-P51-DUP2			CEF-P51-DUP3			CEF-P51-SS-G11		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-18			F6918-19			F6918-20			F6918-14		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.4 %			89.1 %			89.4 %			87.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-T13R			CEF-P51-SS-T16B			CEF-P51-SS-G14					
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	30	U		150	U		3.7	U		325	J	P
4,4'-DDE	30	U		150	U		3.7	U		651	J	P
4,4'-DDT	30	U		150	U		37	U		950	U	
ALDRIN	15	U		74	U		1.9	U		480	U	
ALPHA-BHC	15	U		74	U		1.9	U		480	U	
ALPHA-CHLORDANE	13.1	J	P	160			3.7	U		6130		
BETA-BHC	15	U		74	U		1.9	U		480	U	
CHLORDANE	125	J	P	1420			19	U		51100		
DELTA-BHC	15	U		74	U		1.9	U		480	U	
DIELDRIN	111			766			1.3	J	G	401	J	P
ENDOSULFAN I	15	U		74	U		1.9	U		480	U	
ENDOSULFAN II	30	U		150	U		3.7	U		950	U	
ENDOSULFAN SULFATE	30	U		150	U		3.7	U		950	U	
ENDRIN	30	U		150	U		3.7	U		950	U	
ENDRIN ALDEHYDE	30	U		150	U		3.7	U		950	U	
ENDRIN KETONE	30	U		150	U		3.7	U		950	U	
GAMMA-BHC (LINDANE)	15	U		74	U		1.9	U		480	U	
GAMMA-CHLORDANE	6.5	J	P	138	J	P	3.7	U		6180		
HEPTACHLOR	15	U		74	U		1.9	U		480	U	
HEPTACHLOR EPOXIDE	15	U		74	U		1.9	U		597		
METHOXYCHLOR	59	U		300	U		74	U		1900	U	
TOXAPHENE	1500	U		7400	U		190	U		48000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-G12			CEF-P51-SS-G13			CEF-P51-SS-G14			CEF-P51-SS-T11B		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-10			F6918-7			F6918-3			F6918-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.5 %			89.2 %			89.1 %			92.5 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	770	U		3.7	U		3.7	U		36	U	
4,4'-DDE	812			3.7	U		3.7	U		36	U	
4,4'-DDT	944			37	U		37	U		36	U	
ALDRIN	380	U		1.9	U		1.9	U		18	U	
ALPHA-BHC	380	U		1.9	U		1.9	U		18	U	
ALPHA-CHLORDANE	3730			3.7	U		3.7	U		23.5	J	P
BETA-BHC	380	U		1.9	U		1.9	U		18	U	
CHLORDANE	32000	J	P	19	U		19	U		206		
DELTA-BHC	380	U		1.9	U		1.9	U		18	U	
DIELDRIN	380	U		0.86	J	P	3.7	J	G	146		
ENDOSULFAN I	380	U		1.9	U		1.9	U		18	U	
ENDOSULFAN II	770	U		3.7	U		3.7	U		36	U	
ENDOSULFAN SULFATE	770	U		3.7	U		3.7	U		36	U	
ENDRIN	770	U		3.7	U		3.7	U		36	U	
ENDRIN ALDEHYDE	770	U		3.7	U		3.7	U		36	U	
ENDRIN KETONE	770	U		3.7	U		3.7	U		36	U	
GAMMA-BHC (LINDANE)	380	U		1.9	U		1.9	U		18	U	
GAMMA-CHLORDANE	3640			3.7	U		3.7	U		19.7	J	P
HEPTACHLOR	380	U		1.9	U		1.9	U		18	U	
HEPTACHLOR EPOXIDE	1070			1.9	U		1.9	U		12.5	J	P
METHOXYCHLOR	1500	U		75	U		75	U		72	U	
TOXAPHENE	38000	U		190	U		190	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T11R	CEF-P51-SS-T11W	CEF-P51-SS-T12B	CEF-P51-SS-T12R
SAMPLE DATE:	06/27/00	06/27/00	06/27/00	06/27/00
LABORATORY ID:	F6918-15	F6918-16	F6918-13	F6918-11
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	90.7 %	89.8 %	90.7 %	91.2 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	37	U		18	U		29	U		29	U	
4,4'-DDE	37	U		14	J	P	91.4			29	U	
4,4'-DDT	37	U		18	U		64.3			29	U	
ALDRIN	18	U		9.2	U		15	U		15	U	
ALPHA-BHC	18	U		9.2	U		15	U		15	U	
ALPHA-CHLORDANE	10	J	P	38.4			11.5	J	P	14.7	J	P
BETA-BHC	18	U		9.2	U		15	U		15	U	
CHLORDANE	180	U		344			126	J	P	194		
DELTA-BHC	18	U		9.2	U		15	U		15	U	
DIELDRIN	150			84.1			95.6			130		
ENDOSULFAN I	18	U		9.2	U		15	U		15	U	
ENDOSULFAN II	37	U		18	U		29	U		29	U	
ENDOSULFAN SULFATE	37	U		18	U		29	U		29	U	
ENDRIN	37	U		18	U		29	U		29	U	
ENDRIN ALDEHYDE	37	U		18	U		29	U		29	U	
ENDRIN KETONE	37	U		18	U		29	U		29	U	
GAMMA-BHC (LINDANE)	18	U		9.2	U		15	U		15	U	
GAMMA-CHLORDANE	8.0	J	P	28.5			9.6	J	P	9.0	J	P
HEPTACHLOR	18	U		9.2	U		15	U		15	U	
HEPTACHLOR EPOXIDE	8.5	J	P	49			15	U		15	U	
METHOXYCHLOR	73	U		37	U		59	U		58	U	
TOXAPHENE	1800	U		920	U		1500	U		1500	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T12W			CEF-P51-SS-T13B			CEF-P51-SS-T13R			CEF-P51-SS-T14B		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-12			F6918-9			F6918-8			F6918-6		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.7 %			90.4 %			87.0 %			91.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	77	U		180	U		31	U		370	U	
4,4'-DDE	62.5	J	P	96.5	J	P	31	U		370	U	
4,4'-DDT	77	U		180	U		31	U		370	U	
ALDRIN	38	U		92	U		15	U		180	U	
ALPHA-BHC	38	U		92	U		15	U		180	U	
ALPHA-CHLORDANE	108			303			23.9	J	P	155	J	P
BETA-BHC	38	U		92	U		15	U		180	U	
CHLORDANE	765			3070	J	P	353			1800	U	
DELTA-BHC	38	U		92	U		15	U		180	U	
DIELDRIN	552			825			122			2320		
ENDOSULFAN I	38	U		92	U		15	U		180	U	
ENDOSULFAN II	77	U		180	U		31	U		370	U	
ENDOSULFAN SULFATE	77	U		180	U		31	U		370	U	
ENDRIN	77	U		180	U		31	U		370	U	
ENDRIN ALDEHYDE	77	U		180	U		31	U		370	U	
ENDRIN KETONE	77	U		180	U		31	U		370	U	
GAMMA-BHC (LINDANE)	38	U		92	U		15	U		180	U	
GAMMA-CHLORDANE	128			292			12.6	J	P	132	J	P
HEPTACHLOR	38	U		92	U		15	U		180	U	
HEPTACHLOR EPOXIDE	38	U		92	U		15	U		180	U	
METHOXYCHLOR	150	U		370	U		61	U		730	U	
TOXAPHENE	3800	U		10300	J	P	1500	U		18000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T14R	CEF-P51-SS-T14W	CEF-P51-SS-T15B	CEF-P51-SS-T15W
SAMPLE DATE:	06/27/00	06/27/00	06/27/00	06/27/00
LABORATORY ID:	F6918-4	F6918-5	F6918-1	F6918-2
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	91.5 %	86.8 %	88.5 %	92.8 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		38	U		19	U		3.6	U	
4,4'-DDE	3.6	U		38	U		19	U		3.6	U	
4,4'-DDT	3.6	U		38	U		19	U		36	U	
ALDRIN	1.8	U		19	U		9.4	U		1.8	U	
ALPHA-BHC	1.8	U		19	U		9.4	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		38	U		47.9			11		
BETA-BHC	1.8	U		19	U		9.4	U		1.8	U	
CHLORDANE	18	U		190	U		488			109		
DELTA-BHC	1.8	U		19	U		9.4	U		1.8	U	
DIELDRIN	1.8	U		19	U		100			13.7		
ENDOSULFAN I	1.8	U		19	U		9.4	U		1.8	U	
ENDOSULFAN II	3.6	U		38	U		19	U		3.6	U	
ENDOSULFAN SULFATE	3.6	U		38	U		19	U		3.6	U	
ENDRIN	3.6	U		38	U		19	U		3.6	U	
ENDRIN ALDEHYDE	3.6	U		38	U		19	U		3.6	U	
ENDRIN KETONE	3.6	U		38	U		19	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		19	U		9.4	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		38	U		35.5			7.4		
HEPTACHLOR	1.8	U		19	U		9.4	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		19	U		9.4	U		1.4	J	P
METHOXYCHLOR	7.3	U		77	U		38	U		72	U	
TOXAPHENE	180	U		1900	U		940	U		180	U	

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-DUP1		
Lab Sample ID:	F6918-18	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08032.D	8	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	15	ug/kg	
319-84-6	alpha-BHC	ND	15	ug/kg	
319-85-7	beta-BHC	ND	15	ug/kg	
319-86-8	delta-BHC	ND	15	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	15	ug/kg	
12789-03-6	Chlordane	125	150	ug/kg	J
5103-71-9	alpha-Chlordane	13.1	30	ug/kg	J
5103-74-2	gamma-Chlordane	6.5	30	ug/kg	J
60-57-1	Dieldrin	111	15	ug/kg	
72-54-8	4,4'-DDD	ND	30	ug/kg	
72-55-9	4,4'-DDE	ND	30	ug/kg	
50-29-3	4,4'-DDT	ND	30	ug/kg	
72-20-8	Endrin	ND	30	ug/kg	
1031-07-8	Endosulfan sulfate	ND	30	ug/kg	
7421-93-4	Endrin aldehyde	ND	30	ug/kg	
53494-70-5	Endrin ketone	ND	30	ug/kg	
959-98-8	Endosulfan-I	ND	15	ug/kg	
33213-65-9	Endosulfan-II	ND	30	ug/kg	
76-44-8	Heptachlor	ND	15	ug/kg	
1024-57-3	Heptachlor epoxide	ND	15	ug/kg	
72-43-5	Methoxychlor	ND	59	ug/kg	
8001-35-2	Toxaphene	ND	1500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		50-144%
2051-24-3	Decachlorobiphenyl	122%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP2		
Lab Sample ID:	F6918-19	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08020.D	40	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	74	ug/kg	
319-84-6	alpha-BHC	ND	74	ug/kg	
319-85-7	beta-BHC	ND	74	ug/kg	
319-86-8	delta-BHC	ND	74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	74	ug/kg	
12789-03-6	Chlordane	1420	740	ug/kg	
5103-71-9	alpha-Chlordane	160	150	ug/kg	
5103-74-2	gamma-Chlordane	138	150	ug/kg	J
60-57-1	Dieldrin	766	74	ug/kg	
72-54-8	4,4'-DDD	ND	150	ug/kg	
72-55-9	4,4'-DDE	ND	150	ug/kg	
50-29-3	4,4'-DDT	ND	150	ug/kg	
72-20-8	Endrin	ND	150	ug/kg	
1031-07-8	Endosulfan sulfate	ND	150	ug/kg	
7421-93-4	Endrin aldehyde	ND	150	ug/kg	
53494-70-5	Endrin ketone	ND	150	ug/kg	
959-98-8	Endosulfan-I	ND	74	ug/kg	
33213-65-9	Endosulfan-II	ND	150	ug/kg	
76-44-8	Heptachlor	ND	74	ug/kg	
1024-57-3	Heptachlor epoxide	ND	74	ug/kg	
72-43-5	Methoxychlor	ND	300	ug/kg	
8001-35-2	Toxaphene	ND	7400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		50-144%
2051-24-3	Decachlorobiphenyl	141%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP3		
Lab Sample ID:	F6918-20	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08040.D	1	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2 [b]	MN08131.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	1.3	1.9	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	99%	50-144%
2051-24-3	Decachlorobiphenyl	87%	111%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G11		
Lab Sample ID:	F6918-14	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08019.D	250	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	480	ug/kg	
319-84-6	alpha-BHC	ND	480	ug/kg	
319-85-7	beta-BHC	ND	480	ug/kg	
319-86-8	delta-BHC	ND	480	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	480	ug/kg	
12789-03-6	Chlordane	51100	4800	ug/kg	
5103-71-9	alpha-Chlordane	6130	950	ug/kg	
5103-74-2	gamma-Chlordane	6180	950	ug/kg	
60-57-1	Dieldrin	401	480	ug/kg	J
72-54-8	4,4'-DDD	325	950	ug/kg	J
72-55-9	4,4'-DDE	651	950	ug/kg	J
50-29-3	4,4'-DDT	ND	950	ug/kg	
72-20-8	Endrin	ND	950	ug/kg	
1031-07-8	Endosulfan sulfate	ND	950	ug/kg	
7421-93-4	Endrin aldehyde	ND	950	ug/kg	
53494-70-5	Endrin ketone	ND	950	ug/kg	
959-98-8	Endosulfan-I	ND	480	ug/kg	
33213-65-9	Endosulfan-II	ND	950	ug/kg	
76-44-8	Heptachlor	ND	480	ug/kg	
1024-57-3	Heptachlor epoxide	597	480	ug/kg	
72-43-5	Methoxychlor	ND	1900	ug/kg	
8001-35-2	Toxaphene	ND	48000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G12		
Lab Sample ID:	F6918-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08017.D	200	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	380	ug/kg	
319-84-6	alpha-BHC	ND	380	ug/kg	
319-85-7	beta-BHC	ND	380	ug/kg	
319-86-8	delta-BHC	ND	380	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	380	ug/kg	
12789-03-6	Chlordane [b]	32000	3800	ug/kg	J
5103-71-9	alpha-Chlordane	3730	770	ug/kg	
5103-74-2	gamma-Chlordane	3640	770	ug/kg	
60-57-1	Dieldrin	ND	380	ug/kg	
72-54-8	4,4'-DDD	ND	770	ug/kg	
72-55-9	4,4'-DDE	812	770	ug/kg	
50-29-3	4,4'-DDT	944	770	ug/kg	
72-20-8	Endrin	ND	770	ug/kg	
1031-07-8	Endosulfan sulfate	ND	770	ug/kg	
7421-93-4	Endrin aldehyde	ND	770	ug/kg	
53494-70-5	Endrin ketone	ND	770	ug/kg	
959-98-8	Endosulfan-I	ND	380	ug/kg	
33213-65-9	Endosulfan-II	ND	770	ug/kg	
76-44-8	Heptachlor	ND	380	ug/kg	
1024-57-3	Heptachlor epoxide	1070	380	ug/kg	
72-43-5	Methoxychlor	ND	1500	ug/kg	
8001-35-2	Toxaphene	ND	38000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [c]		50-144%
2051-24-3	Decachlorobiphenyl	0% [c]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.
(c) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G13		
Lab Sample ID:	F6918-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08039.D	1	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2 [b]	MN08130.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	0.86	1.9	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%	103%	50-144%
2051-24-3	Decachlorobiphenyl	90%	118%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G14		
Lab Sample ID:	F6918-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08036.D	1	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2 [b]	MN08128.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	3.7	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	96%	50-144%
2051-24-3	Decachlorobiphenyl	92%	118%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11B		
Lab Sample ID:	F6918-17	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08031.D	10	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	206	180	ug/kg	
5103-71-9	alpha-Chlordane	23.5	36	ug/kg	J
5103-74-2	gamma-Chlordane	19.7	36	ug/kg	J
60-57-1	Dieldrin	146	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	12.5	18	ug/kg	J
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		50-144%
2051-24-3	Decachlorobiphenyl	129%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11R		
Lab Sample ID:	F6918-15	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08029.D	10	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	10	37	ug/kg	J
5103-74-2	gamma-Chlordane	8.0	37	ug/kg	J
60-57-1	Dieldrin	150	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND	37	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	8.5	18	ug/kg	J
72-43-5	Methoxychlor	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-144%
2051-24-3	Decachlorobiphenyl	124%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11W		
Lab Sample ID:	F6918-16	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08030.D	5	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.2	ug/kg	
319-84-6	alpha-BHC	ND	9.2	ug/kg	
319-85-7	beta-BHC	ND	9.2	ug/kg	
319-86-8	delta-BHC	ND	9.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.2	ug/kg	
12789-03-6	Chlordane	344	92	ug/kg	
5103-71-9	alpha-Chlordane	38.4	18	ug/kg	
5103-74-2	gamma-Chlordane	28.5	18	ug/kg	
60-57-1	Dieldrin	84.1	9.2	ug/kg	
72-54-8	4,4'-DDD	ND	18	ug/kg	
72-55-9	4,4'-DDE	13.5	18	ug/kg	J
50-29-3	4,4'-DDT	ND	18	ug/kg	
72-20-8	Endrin	ND	18	ug/kg	
1031-07-8	Endosulfan sulfate	ND	18	ug/kg	
7421-93-4	Endrin aldehyde	ND	18	ug/kg	
53494-70-5	Endrin ketone	ND	18	ug/kg	
959-98-8	Endosulfan-I	ND	9.2	ug/kg	
33213-65-9	Endosulfan-II	ND	18	ug/kg	
76-44-8	Heptachlor	ND	9.2	ug/kg	
1024-57-3	Heptachlor epoxide	49.0	9.2	ug/kg	
72-43-5	Methoxychlor	ND	37	ug/kg	
8001-35-2	Toxaphene	ND	920	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		50-144%
2051-24-3	Decachlorobiphenyl	110%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12B		
Lab Sample ID:	F6918-13	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08028.D	8	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	15	ug/kg	
319-84-6	alpha-BHC	ND	15	ug/kg	
319-85-7	beta-BHC	ND	15	ug/kg	
319-86-8	delta-BHC	ND	15	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	15	ug/kg	
12789-03-6	Chlordane	126	150	ug/kg	J
5103-71-9	alpha-Chlordane	11.5	29	ug/kg	J
5103-74-2	gamma-Chlordane	9.6	29	ug/kg	J
60-57-1	Dieldrin	95.6	15	ug/kg	
72-54-8	4,4'-DDD	ND	29	ug/kg	
72-55-9	4,4'-DDE	91.4	29	ug/kg	
50-29-3	4,4'-DDT	64.3	29	ug/kg	
72-20-8	Endrin	ND	29	ug/kg	
1031-07-8	Endosulfan sulfate	ND	29	ug/kg	
7421-93-4	Endrin aldehyde	ND	29	ug/kg	
53494-70-5	Endrin ketone	ND	29	ug/kg	
959-98-8	Endosulfan-I	ND	15	ug/kg	
33213-65-9	Endosulfan-II	ND	29	ug/kg	
76-44-8	Heptachlor	ND	15	ug/kg	
1024-57-3	Heptachlor epoxide	ND	15	ug/kg	
72-43-5	Methoxychlor	ND	59	ug/kg	
8001-35-2	Toxaphene	ND	1500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		50-144%
2051-24-3	Decachlorobiphenyl	131%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12R		
Lab Sample ID:	F6918-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08025.D	8	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	15	ug/kg	
319-84-6	alpha-BHC	ND	15	ug/kg	
319-85-7	beta-BHC	ND	15	ug/kg	
319-86-8	delta-BHC	ND	15	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	15	ug/kg	
12789-03-6	Chlordane	194	150	ug/kg	
5103-71-9	alpha-Chlordane	14.7	29	ug/kg	J
5103-74-2	gamma-Chlordane	9.0	29	ug/kg	J
60-57-1	Dieldrin	130	15	ug/kg	
72-54-8	4,4'-DDD	ND	29	ug/kg	
72-55-9	4,4'-DDE	ND	29	ug/kg	
50-29-3	4,4'-DDT	ND	29	ug/kg	
72-20-8	Endrin	ND	29	ug/kg	
1031-07-8	Endosulfan sulfate	ND	29	ug/kg	
7421-93-4	Endrin aldehyde	ND	29	ug/kg	
53494-70-5	Endrin ketone	ND	29	ug/kg	
959-98-8	Endosulfan-I	ND	15	ug/kg	
33213-65-9	Endosulfan-II	ND	29	ug/kg	
76-44-8	Heptachlor	ND	15	ug/kg	
1024-57-3	Heptachlor epoxide	ND	15	ug/kg	
72-43-5	Methoxychlor	ND	58	ug/kg	
8001-35-2	Toxaphene	ND	1500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		50-144%
2051-24-3	Decachlorobiphenyl	121%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12W		
Lab Sample ID:	F6918-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08018.D	20	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	38	ug/kg	
319-84-6	alpha-BHC	ND	38	ug/kg	
319-85-7	beta-BHC	ND	38	ug/kg	
319-86-8	delta-BHC	ND	38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	38	ug/kg	
12789-03-6	Chlordane	765	380	ug/kg	
5103-71-9	alpha-Chlordane	108	77	ug/kg	
5103-74-2	gamma-Chlordane	128	77	ug/kg	
60-57-1	Dieldrin	552	38	ug/kg	
72-54-8	4,4'-DDD	ND	77	ug/kg	
72-55-9	4,4'-DDE	62.5	77	ug/kg	J
50-29-3	4,4'-DDT	ND	77	ug/kg	
72-20-8	Endrin	ND	77	ug/kg	
1031-07-8	Endosulfan sulfate	ND	77	ug/kg	
7421-93-4	Endrin aldehyde	ND	77	ug/kg	
53494-70-5	Endrin ketone	ND	77	ug/kg	
959-98-8	Endosulfan-I	ND	38	ug/kg	
33213-65-9	Endosulfan-II	ND	77	ug/kg	
76-44-8	Heptachlor	ND	38	ug/kg	
1024-57-3	Heptachlor epoxide	ND	38	ug/kg	
72-43-5	Methoxychlor	ND	150	ug/kg	
8001-35-2	Toxaphene	ND	3800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-144%
2051-24-3	Decachlorobiphenyl	132%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T13B		
Lab Sample ID:	F6918-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08106.D	50	07/18/00	SKW	07/07/00	OP1802	GMN320
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	92	ug/kg	
319-84-6	alpha-BHC	ND	92	ug/kg	
319-85-7	beta-BHC	ND	92	ug/kg	
319-86-8	delta-BHC	ND	92	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	92	ug/kg	
12789-03-6	Chlordane [b]	3070	920	ug/kg	J
5103-71-9	alpha-Chlordane	303	180	ug/kg	
5103-74-2	gamma-Chlordane	292	180	ug/kg	
60-57-1	Dieldrin	825	92	ug/kg	
72-54-8	4,4'-DDD	ND	180	ug/kg	
72-55-9	4,4'-DDE	96.5	180	ug/kg	J
50-29-3	4,4'-DDT	ND	180	ug/kg	
72-20-8	Endrin	ND	180	ug/kg	
1031-07-8	Endosulfan sulfate	ND	180	ug/kg	
7421-93-4	Endrin aldehyde	ND	180	ug/kg	
53494-70-5	Endrin ketone	ND	180	ug/kg	
959-98-8	Endosulfan-I	ND	92	ug/kg	
33213-65-9	Endosulfan-II	ND	180	ug/kg	
76-44-8	Heptachlor	ND	92	ug/kg	
1024-57-3	Heptachlor epoxide	ND	92	ug/kg	
72-43-5	Methoxychlor	ND	370	ug/kg	
8001-35-2	Toxaphene [c]	10300	9200	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		50-144%
2051-24-3	Decachlorobiphenyl	156%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to interference from toxaphene.
(c) Estimated value due to interference from chlordane.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T13R		
Lab Sample ID:	F6918-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08024.D	8	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	15	ug/kg	
319-84-6	alpha-BHC	ND	15	ug/kg	
319-85-7	beta-BHC	ND	15	ug/kg	
319-86-8	delta-BHC	ND	15	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	15	ug/kg	
12789-03-6	Chlordane	353	150	ug/kg	
5103-71-9	alpha-Chlordane	23.9	31	ug/kg	J
5103-74-2	gamma-Chlordane	12.6	31	ug/kg	J
60-57-1	Dieldrin	122	15	ug/kg	
72-54-8	4,4'-DDD	ND	31	ug/kg	
72-55-9	4,4'-DDE	ND	31	ug/kg	
50-29-3	4,4'-DDT	ND	31	ug/kg	
72-20-8	Endrin	ND	31	ug/kg	
1031-07-8	Endosulfan sulfate	ND	31	ug/kg	
7421-93-4	Endrin aldehyde	ND	31	ug/kg	
53494-70-5	Endrin ketone	ND	31	ug/kg	
959-98-8	Endosulfan-I	ND	15	ug/kg	
33213-65-9	Endosulfan-II	ND	31	ug/kg	
76-44-8	Heptachlor	ND	15	ug/kg	
1024-57-3	Heptachlor epoxide	ND	15	ug/kg	
72-43-5	Methoxychlor	ND	61	ug/kg	
8001-35-2	Toxaphene	ND	1500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		50-144%
2051-24-3	Decachlorobiphenyl	129%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14B		
Lab Sample ID:	F6918-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08015.D	100	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	180	ug/kg	
319-84-6	alpha-BHC	ND	180	ug/kg	
319-85-7	beta-BHC	ND	180	ug/kg	
319-86-8	delta-BHC	ND	180	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	180	ug/kg	
12789-03-6	Chlordane	ND	1800	ug/kg	
5103-71-9	alpha-Chlordane	155	370	ug/kg	J
5103-74-2	gamma-Chlordane	132	370	ug/kg	J
60-57-1	Dieldrin	2320	180	ug/kg	
72-54-8	4,4'-DDD	ND	370	ug/kg	
72-55-9	4,4'-DDE	ND	370	ug/kg	
50-29-3	4,4'-DDT	ND	370	ug/kg	
72-20-8	Endrin	ND	370	ug/kg	
1031-07-8	Endosulfan sulfate	ND	370	ug/kg	
7421-93-4	Endrin aldehyde	ND	370	ug/kg	
53494-70-5	Endrin ketone	ND	370	ug/kg	
959-98-8	Endosulfan-I	ND	180	ug/kg	
33213-65-9	Endosulfan-II	ND	370	ug/kg	
76-44-8	Heptachlor	ND	180	ug/kg	
1024-57-3	Heptachlor epoxide	ND	180	ug/kg	
72-43-5	Methoxychlor	ND	730	ug/kg	
8001-35-2	Toxaphene	ND	18000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		50-144%
2051-24-3	Decachlorobiphenyl	163%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14R		
Lab Sample ID:	F6918-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08037.D	1	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2 [a]	MN08129.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND	7.3	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	107%	50-144%
2051-24-3	Decachlorobiphenyl	94%	122%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14W		
Lab Sample ID:	F6918-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08132.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	77	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		50-144%
2051-24-3	Decachlorobiphenyl	145%		10-180%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15B		
Lab Sample ID:	F6918-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08023.D	5	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.4	ug/kg	
319-84-6	alpha-BHC	ND	9.4	ug/kg	
319-85-7	beta-BHC	ND	9.4	ug/kg	
319-86-8	delta-BHC	ND	9.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.4	ug/kg	
12789-03-6	Chlordane	488	94	ug/kg	
5103-71-9	alpha-Chlordane	47.9	19	ug/kg	
5103-74-2	gamma-Chlordane	35.5	19	ug/kg	
60-57-1	Dieldrin	100	9.4	ug/kg	
72-54-8	4,4'-DDD	ND	19	ug/kg	
72-55-9	4,4'-DDE	ND	19	ug/kg	
50-29-3	4,4'-DDT	ND	19	ug/kg	
72-20-8	Endrin	ND	19	ug/kg	
1031-07-8	Endosulfan sulfate	ND	19	ug/kg	
7421-93-4	Endrin aldehyde	ND	19	ug/kg	
53494-70-5	Endrin ketone	ND	19	ug/kg	
959-98-8	Endosulfan-I	ND	9.4	ug/kg	
33213-65-9	Endosulfan-II	ND	19	ug/kg	
76-44-8	Heptachlor	ND	9.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.4	ug/kg	
72-43-5	Methoxychlor	ND	38	ug/kg	
8001-35-2	Toxaphene	ND	940	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		50-144%
2051-24-3	Decachlorobiphenyl	119%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15W		
Lab Sample ID:	F6918-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08035.D	1	07/14/00	SKW	07/07/00	OP1802	GMN318
Run #2 [b]	MN08127.D	10	07/19/00	SKW	07/07/00	OP1802	GMN321

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	109	18	ug/kg	
5103-71-9	alpha-Chlordane	11.0	3.6	ug/kg	
5103-74-2	gamma-Chlordane	7.4	3.6	ug/kg	
60-57-1	Dieldrin	13.7	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	1.4	1.8	ug/kg	J
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	107%	50-144%
2051-24-3	Decachlorobiphenyl	100%	127%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 9, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6961

SAMPLES: 18/Surface Soil

CEF-P51- DUP12	CEF-P51- DUP13
CEF-P51-SS-147	CEF-P51-SS-151
CEF-P51-SS-152	CEF-P51-SS-153
CEF-P51-SS-154	CEF-P51-SS-155
CEF-P51-SS-156	CEF-P51-SS-157
CEF-P51-SS-158	CEF-P51-SS-159
CEF-P51-SS-160	CEF-P51-SS-161
CEF-P51-SS-162	CEF-P51-SS-171
CEF-P51-SS-172	CEF-P51-SS-173

OVERVIEW

The sample set for CTO 078, SDG F6961 Naval Air Station (NAS) Cecil Field; Florida consists of eighteen (18) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. Two (2) field duplicate pair (CEF-P51-SS-151/CEF-P51-DUP12 and CEF-P51-SS-161/CEF-P51-DUP13) was included within this SDG.

The samples were collected by Tetra Tech, NUS on June 30th, 2000 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 8081A 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 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.

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 2

PESTICIDE FRACTION

Compounds 4,4'-DDT, Heptachlor, Endrin ketone, and Methoxychlor were analyzed at a 10X dilution in several samples.

The percent difference between columns exceeded 100% for alpha-chlordane in sample CEF-P51-SS-162. The positive result was qualified as rejected (R).

The percent difference between columns exceeded the 25% quality control limit for alpha-chlordane in sample CEF-P51-SS-171. The positive result was qualified as estimated, (J).

ADDITIONAL COMMENTS

Positive results that were reported at concentrations below the Reporting Limits (RLs) were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution.

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.
R	-	Positive result is rejected due to a severe technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-DUP12			CEF-P51-DUP13			CEF-P51-SS-147			CEF-P51-SS-151		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-17			F6961-18			F6961-1			F6961-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.6 %			90.3 %			86.1 %			94.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-151			CEF-P51-SS-161								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.7	U		3.9	U		3.5	U	
4,4'-DDE	3.6	U		3.7	U		3.0	J	P	3.5	U	
4,4'-DDT	36	U		37	U		39	U		35	U	
ALDRIN	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		3.7	U		1.1	J	P	3.5	U	
BETA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
CHLORDANE	18	U		18	U		19	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
DIELDRIN	1.8	U		0.80	J	P	2.5			1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.9	U		1.8	U	
ENDOSULFAN II	3.6	U		3.7	U		3.9	U		3.5	U	
ENDOSULFAN SULFATE	3.6	U		3.7	U		3.9	U		3.5	U	
ENDRIN	3.6	U		3.7	U		3.9	U		3.5	U	
ENDRIN ALDEHYDE	3.6	U		3.7	U		3.9	U		3.5	U	
ENDRIN KETONE	36	U		37	U		39	U		35	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.9	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		3.7	U		1.3	J	P	3.5	U	
HEPTACHLOR	18	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.9	U		1.8	U	
METHOXYCHLOR	72	U		74	U		77	U		71	U	
TOXAPHENE	180	U		180	U		190	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-152			CEF-P51-SS-153			CEF-P51-SS-154			CEF-P51-SS-155		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-3			F6961-4			F6961-5			F6961-6		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.5 %			93.7 %			92.6 %			89.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.6	U		3.6	U		3.7	U	
4,4'-DDE	3.6	U		3.6	U		3.6	U		3.7	U	
4,4'-DDT	36	U		36	U		36	U		37	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		3.6	U		3.6	U		3.7	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	18	U		18	U		18	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.6	U		3.6	U		3.6	U		3.7	U	
ENDOSULFAN SULFATE	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN ALDEHYDE	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN KETONE	36	U		36	U		36	U		37	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		3.6	U		3.6	U		3.7	U	
HEPTACHLOR	18	U		18	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	73	U		71	U		72	U		74	U	
TOXAPHENE	180	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-156			CEF-P51-SS-157			CEF-P51-SS-158			CEF-P51-SS-159		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-7			F6961-8			F6961-9			F6961-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.0 %			92.6 %			90.1 %			88.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.6	U		3.7	U		3.8	U	
4,4'-DDE	3.7	U		3.6	U		3.7	U		3.8	U	
4,4'-DDT	37	U		36	U		37	U		38	U	
ALDRIN	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.7	U		3.6	U		3.7	U		3.8	U	
BETA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	19	U		18	U		18	U		19	U	
DELTA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	1.9	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN I	1.9	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.7	U		3.6	U		3.7	U		3.8	U	
ENDOSULFAN SULFATE	3.7	U		3.6	U		3.7	U		3.8	U	
ENDRIN	3.7	U		3.6	U		3.7	U		3.8	U	
ENDRIN ALDEHYDE	3.7	U		3.6	U		3.7	U		3.8	U	
ENDRIN KETONE	37	U		36	U		37	U		38	U	
GAMMA-BHC (LINDANE)	1.9	U		1.8	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.7	U		3.6	U		3.7	U		3.8	U	
HEPTACHLOR	19	U		18	U		18	U		19	U	
HEPTACHLOR EPOXIDE	1.9	U		1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	75	U		72	U		74	U		75	U	
TOXAPHENE	190	U		180	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-160			CEF-P51-SS-161			CEF-P51-SS-162			CEF-P51-SS-171		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-11			F6961-12			F6961-13			F6961-14		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			89.8 %			82.5 %			86.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.7	U		4.0	U		3.8	U	
4,4'-DDE	3.6	U		3.7	U		4.3			7.7		
4,4'-DDT	36	U		37	U		40	U		38	U	
ALDRIN	1.8	U		1.8	U		2.0	U		1.9	U	
ALPHA-BHC	1.8	U		1.8	U		2.0	U		1.9	U	
ALPHA-CHLORDANE	3.6	U		3.7	U		14.7	R	U	7.2	J	U
BETA-BHC	1.8	U		1.8	U		2.0	U		1.9	U	
CHLORDANE	18	U		18	U		20	U		19	U	
DELTA-BHC	1.8	U		1.8	U		2.0	U		1.9	U	
DIELDRIN	1.8	U		1.0	J	P	32.1			5.0		
ENDOSULFAN I	1.8	U		1.8	U		2.0	U		1.9	U	
ENDOSULFAN II	3.6	U		3.7	U		4.0	U		3.8	U	
ENDOSULFAN SULFATE	3.6	U		3.7	U		4.0	U		3.8	U	
ENDRIN	3.6	U		3.7	U		4.0	U		3.8	U	
ENDRIN ALDEHYDE	3.6	U		3.7	U		4.0	U		3.8	U	
ENDRIN KETONE	36	U		37	U		40	U		38	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		2.0	U		1.9	U	
GAMMA-CHLORDANE	3.6	U		3.7	U		5.9			6.7		
HEPTACHLOR	18	U		18	U		20	U		19	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		2.0	U		1.9	U	
METHOXYCHLOR	72	U		74	U		81	U		77	U	
TOXAPHENE	180	U		180	U		200	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-172			CEF-P51-SS-173								
SAMPLE DATE:	06/30/00			06/30/00			/ /			/ /		
LABORATORY ID:	F6961-15			F6961-16								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	90.1 %			84.2 %			100.0 %			100.0 %		
UNITS:	UG/KG			UG/KG								
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		4.0	U							
4,4'-DDE	3.7	U		4.0	U							
4,4'-DDT	37	U		40	U							
ALDRIN	1.8	U		2.0	U							
ALPHA-BHC	1.8	U		2.0	U							
ALPHA-CHLORDANE	3.7	U		4.0	U							
BETA-BHC	1.8	U		2.0	U							
CHLORDANE	18	U		20	U							
DELTA-BHC	1.8	U		2.0	U							
DIELDRIN	1.6	J	P	1.5	J	P						
ENDOSULFAN I	1.8	U		2.0	U							
ENDOSULFAN II	3.7	U		4.0	U							
ENDOSULFAN SULFATE	3.7	U		4.0	U							
ENDRIN	3.7	U		4.0	U							
ENDRIN ALDEHYDE	3.7	U		4.0	U							
ENDRIN KETONE	37	U		40	U							
GAMMA-BHC (LINDANE)	1.8	U		2.0	U							
GAMMA-CHLORDANE	3.7	U		4.0	U							
HEPTACHLOR	18	U		20	U							
HEPTACHLOR EPOXIDE	1.8	U		2.0	U							
METHOXYCHLOR	74	U		79	U							
TOXAPHENE	180	U		200	U							

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-DUP12		
Lab Sample ID:	F6961-17	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06290.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06259.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	111%	50-144%
2051-24-3	Decachlorobiphenyl	71%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP13		
Lab Sample ID:	F6961-18	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06293.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06260.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	0.80	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%	106%	50-144%
2051-24-3	Decachlorobiphenyl	181% [d]	294% [d]	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Outside control limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-147		
Lab Sample ID:	F6961-1	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06271.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06237.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	1.1	3.9	ug/kg	J
5103-74-2	gamma-Chlordane	1.3	3.9	ug/kg	J
60-57-1	Dieldrin	2.5	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	3.0	3.9	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND [c]	39	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	103%	50-144%
2051-24-3	Decachlorobiphenyl	97%	112%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-151		
Lab Sample ID:	F6961-2	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06272.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06238.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	35	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	101%	50-144%
2051-24-3	Decachlorobiphenyl	73%	95%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-152		
Lab Sample ID:	F6961-3	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06273.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06239.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	97%	50-144%
2051-24-3	Decachlorobiphenyl	90%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-153		
Lab Sample ID:	F6961-4	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06274.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06240.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	98%	50-144%
2051-24-3	Decachlorobiphenyl	99%	117%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-154		
Lab Sample ID:	F6961-5	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06275.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06241.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	98%	50-144%
2051-24-3	Decachlorobiphenyl	97%	118%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-155		
Lab Sample ID:	F6961-6	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06276.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06242.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	101%	50-144%
2051-24-3	Decachlorobiphenyl	83%	109%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-156		
Lab Sample ID:	F6961-7	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06277.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06245.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	101%	50-144%
2051-24-3	Decachlorobiphenyl	96%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-157		
Lab Sample ID:	F6961-8	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06282.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06248.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	101%	50-144%
2051-24-3	Decachlorobiphenyl	105%	106%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-158		
Lab Sample ID:	F6961-9	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06283.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06249.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%	106%	50-144%
2051-24-3	Decachlorobiphenyl	107%	127%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-159		
Lab Sample ID:	F6961-10	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06284.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06250.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	98%	50-144%
2051-24-3	Decachlorobiphenyl	97%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-160		
Lab Sample ID:	F6961-11	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06285.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [a]	ST06251.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	98%	50-144%
2051-24-3	Decachlorobiphenyl	92%	119%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-161		
Lab Sample ID:	F6961-12	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06294.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06254.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	1.0	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%	105%	50-144%
2051-24-3	Decachlorobiphenyl	127%	274% [d]	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Outside control limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-162		
Lab Sample ID:	F6961-13	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	82.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06286.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06255.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	14.7	4.0	ug/kg	
5103-74-2	gamma-Chlordane	5.9	4.0	ug/kg	
60-57-1	Dieldrin	32.1	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	4.3	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [c]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND [c]	40	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [c]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	81	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	105%	50-144%
2051-24-3	Decachlorobiphenyl	92%	102%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-171		
Lab Sample ID:	F6961-14	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06287.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06256.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	7.2	3.8	ug/kg	
5103-74-2	gamma-Chlordane	6.7	3.8	ug/kg	
60-57-1	Dieldrin	5.0	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	7.7	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [c]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	106%	50-144%
2051-24-3	Decachlorobiphenyl	94%	102%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-172		
Lab Sample ID:	F6961-15	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06288.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06257.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	1.6	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	105%	50-144%
2051-24-3	Decachlorobiphenyl	99%	115%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-173		
Lab Sample ID:	F6961-16	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06289.D	1	07/25/00	SKW	07/12/00	OP1817	GST226
Run #2 [b]	ST06258.D	10	07/24/00	SKW	07/12/00	OP1817	GST225

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	1.5	2.0	ug/kg	J
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [c]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND [c]	40	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [c]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	79	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	105%	50-144%
2051-24-3	Decachlorobiphenyl	68%	113%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 9, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F6952

SAMPLES: 18/Surface Soil

CEF-P51-SS-130	CEF-P51-SS-131
CEF-P51-SS-132	CEF-P51-SS-133
CEF-P51-SS-134	CEF-P51-SS-135
CEF-P51-SS-136	CEF-P51-SS-137
CEF-P51-SS-138	CEF-P51-SS-139
CEF-P51-SS-140	CEF-P51-SS-141
CEF-P51-SS-142	CEF-P51-SS-143
CEF-P51-SS-144	CEF-P51- SS-DUP10
CEF-P51-SS- DUP11	CEF-P51-SS-G10B

OVERVIEW

The sample set for CTO 078, SDG F6952 Naval Air Station (NAS) Cecil Field; Florida consists of eighteen (18) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. Two (2) field duplicate pair (CEF-P51-SS-131/CEF-P51-SS-DUP10 and CEF-P51-SS-141/CEF-P51-SS-DUP11) was included within this SDG.

The samples were collected by Tetra Tech, NUS on June 29th, 2000 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 8081A 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 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.

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 2

PESTICIDE FRACTION

Compounds 4,4'-DDT and Methoxychlor were analyzed at a 10X dilution in several samples.

The percent difference between column exceeded the 25% quality control limit for alpha-chlordane in sample CEF-P51-SS-G10B. The positive result was qualified as estimated, (J). Additionally, the result for technical Chlordane was not confirmed via second column analysis. The positive result was qualified as estimated, J.

Samples CEF-P51-SS-131, CEF-P51-SS-138, CEF-P51-SS-144, and CEF-P51-SS-DUP10 were analyzed at a 10X thus causing elevated reporting limits.

Sample CEF-P51-SS-G10B was analyzed at a 500X dilution thus causing elevated reporting limits.

ADDITIONAL COMMENTS

Positive results that were reported at concentrations below the Reporting Limits (RLs) were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution.

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-130			CEF-P51-SS-131			CEF-P51-SS-132			CEF-P51-SS-133		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-1			F6952-2			F6952-3			F6952-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.5 %			90.8 %			91.5 %			91.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		36	U		3.6	U		3.6	U	
4,4'-DDE	0.83	J	P	36	U		3.6	U		3.6	U	
4,4'-DDT	36	U		36	U		36	U		36	U	
ALDRIN	1.8	U		18	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		18	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	2.4	J	P	36	U		3.6	U		3.6	U	
BETA-BHC	1.8	U		18	U		1.8	U		1.8	U	
CHLORDANE	18	U		180	U		18	U		18	U	
DELTA-BHC	1.8	U		18	U		1.8	U		1.8	U	
DIELDRIN	1.0	J	P	158			4.9			1.8	U	
ENDOSULFAN I	1.8	U		18	U		1.8	U		1.8	U	
ENDOSULFAN II	3.6	U		36	U		3.6	U		3.6	U	
ENDOSULFAN SULFATE	3.6	U		36	U		3.6	U		3.6	U	
ENDRIN	3.6	U		36	U		3.6	U		3.6	U	
ENDRIN ALDEHYDE	3.6	U		36	U		3.6	U		3.6	U	
ENDRIN KETONE	3.6	U		36	U		3.6	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		18	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	1.2	J	P	36	U		3.6	U		3.6	U	
HEPTACHLOR	1.8	U		18	U		1.8	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		18	U		1.8	U		1.8	U	
METHOXYCHLOR	73	U		73	U		73	U		73	U	
TOXAPHENE	180	U		1800	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-134			CEF-P51-SS-135			CEF-P51-SS-136			CEF-P51-SS-137		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-5			F6952-6			F6952-7			F6952-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.5 %			90.1 %			87.1 %			89.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.7	U		3.8	U		3.7	U	
4,4'-DDE	3.7	U		3.7	U		3.8	U		3.7	U	
4,4'-DDT	37	U		37	U		38	U		37	U	
ALDRIN	1.8	U		1.8	U		1.9	U		1.9	U	
ALPHA-BHC	1.8	U		1.8	U		1.9	U		1.9	U	
ALPHA-CHLORDANE	3.7	U		3.7	U		3.8	U		3.7	U	
BETA-BHC	1.8	U		1.8	U		1.9	U		1.9	U	
CHLORDANE	18	U		18	U		19	U		19	U	
DELTA-BHC	1.8	U		1.8	U		1.9	U		1.9	U	
DIELDRIN	9.3			3.4			1.9	U		1.9		
ENDOSULFAN I	1.8	U		1.8	U		1.9	U		1.9	U	
ENDOSULFAN II	3.7	U		3.7	U		3.8	U		3.7	U	
ENDOSULFAN SULFATE	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN ALDEHYDE	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN KETONE	3.7	U		3.7	U		3.8	U		3.7	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.9	U		1.9	U	
GAMMA-CHLORDANE	3.7	U		3.7	U		3.8	U		3.7	U	
HEPTACHLOR	1.8	U		1.8	U		1.9	U		1.9	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.9	U		1.9	U	
METHOXYCHLOR	74	U		74	U		76	U		75	U	
TOXAPHENE	180	U		180	U		190	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-138			CEF-P51-SS-139			CEF-P51-SS-140			CEF-P51-SS-141		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-9			F6952-10			F6952-11			F6952-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.4 %			91.1 %			91.6 %			91.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	38	U		3.6	U		3.6	U		3.6	U	
4,4'-DDE	20	J	P	3.6	U		3.6	U		3.6	U	
4,4'-DDT	38	U		36	U		36	U		36	U	
ALDRIN	19	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	19	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	38	U		3.6	U		3.6	U		3.6	U	
BETA-BHC	19	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	190	U		18	U		18	U		18	U	
DELTA-BHC	19	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	225			1.8	U		1.8	U		1.8	U	
ENDOSULFAN I	19	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	38	U		3.6	U		3.6	U		3.6	U	
ENDOSULFAN SULFATE	38	U		3.6	U		3.6	U		3.6	U	
ENDRIN	38	U		3.6	U		3.6	U		3.6	U	
ENDRIN ALDEHYDE	38	U		3.6	U		3.6	U		3.6	U	
ENDRIN KETONE	38	U		3.6	U		3.6	U		3.6	U	
GAMMA-BHC (LINDANE)	19	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	38	U		3.6	U		3.6	U		3.6	U	
HEPTACHLOR	19	U		1.8	U		1.8	U		1.8	U	
HEPTACHLOR EPOXIDE	19	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	75	U		73	U		73	U		72	U	
TOXAPHENE	1900	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-142			CEF-P51-SS-143			CEF-P51-SS-144			CEF-P51-SS-DUP10		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-13			F6952-14			F6952-15			F6952-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.4 %			88.5 %			90.7 %			92.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:										CEF-P51-SS-131		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.0	U		3.8	U		37	U		36	U	
4,4'-DDE	4.0	U		3.8	U		37	U		36	U	
4,4'-DDT	40	U		38	U		37	U		36	U	
ALDRIN	2.0	U		1.9	U		18	U		18	U	
ALPHA-BHC	2.0	U		1.9	U		18	U		18	U	
ALPHA-CHLORDANE	4.0	U		3.8	U		37	U		36	U	
BETA-BHC	2.0	U		1.9	U		18	U		18	U	
CHLORDANE	20	U		19	U		180	U		180	U	
DELTA-BHC	2.0	U		1.9	U		18	U		18	U	
DIELDRIN	2.0	U		1.9	U		144			199		
ENDOSULFAN I	2.0	U		1.9	U		18	U		18	U	
ENDOSULFAN II	4.0	U		3.8	U		37	U		36	U	
ENDOSULFAN SULFATE	4.0	U		3.8	U		37	U		36	U	
ENDRIN	4.0	U		3.8	U		37	U		36	U	
ENDRIN ALDEHYDE	4.0	U		3.8	U		37	U		36	U	
ENDRIN KETONE	4.0	U		3.8	U		37	U		36	U	
GAMMA-BHC (LINDANE)	2.0	U		1.9	U		18	U		18	U	
GAMMA-CHLORDANE	4.0	U		3.8	U		37	U		36	U	
HEPTACHLOR	2.0	U		1.9	U		18	U		18	U	
HEPTACHLOR EPOXIDE	2.0	U		1.9	U		18	U		18	U	
METHOXYCHLOR	79	U		75	U		73	U		72	U	
TOXAPHENE	200	U		190	U		1800	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-DUP11			CEF-P51-SS-G10B								
SAMPLE DATE:	06/29/00			06/29/00			/ /			/ /		
LABORATORY ID:	F6952-18			F6952-16								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	92.2 %			80.5 %			100.0 %			100.0 %		
UNITS:	UG/KG			UG/KG								
FIELD DUPLICATE OF:	CEF-P51-SS-141											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		2100	U							
4,4'-DDE	3.6	U		711	J	P						
4,4'-DDT	36	U		4200	U							
ALDRIN	1.8	U		1000	U							
ALPHA-BHC	1.8	U		1000	U							
ALPHA-CHLORDANE	3.6	U		10100	J	PU						
BETA-BHC	1.8	U		1000	U							
CHLORDANE	18	U		80800	J	Q						
DELTA-BHC	1.8	U		1000	U							
DIELDRIN	1.8	U		506	J	P						
ENDOSULFAN I	1.8	U		1000	U							
ENDOSULFAN II	3.6	U		2100	U							
ENDOSULFAN SULFATE	3.6	U		2100	U							
ENDRIN	3.6	U		2100	U							
ENDRIN ALDEHYDE	3.6	U		2100	U							
ENDRIN KETONE	3.6	U		2100	U							
GAMMA-BHC (LINDANE)	1.8	U		1000	U							
GAMMA-CHLORDANE	3.6	U		10400								
HEPTACHLOR	1.8	U		1000	U							
HEPTACHLOR EPOXIDE	1.8	U		735	J	P						
METHOXYCHLOR	72	U		8200	U							
TOXAPHENE	180	U		100000	U							

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-SS-130		
Lab Sample ID:	F6952-1	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06203.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [b]	ST06169.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	2.4	3.6	ug/kg	J
5103-74-2	gamma-Chlordane	1.2	3.6	ug/kg	J
60-57-1	Dieldrin	1.0	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	0.83	3.6	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%	106%	50-144%
2051-24-3	Decachlorobiphenyl	101%	127%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-131		
Lab Sample ID:	F6952-2	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06170.D	10	07/20/00	SKW	07/12/00	OP1814	GST223
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	158	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-144%
2051-24-3	Decachlorobiphenyl	117%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-132		
Lab Sample ID:	F6952-3	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06204.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [b]	ST06171.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	4.9	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	96%	50-144%
2051-24-3	Decachlorobiphenyl	80%	108%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-133		
Lab Sample ID:	F6952-4	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06207.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06174.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	104%	50-144%
2051-24-3	Decachlorobiphenyl	90%	119%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-134		
Lab Sample ID:	F6952-5	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06208.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [b]	ST06177.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	9.3	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%	92%	50-144%
2051-24-3	Decachlorobiphenyl	85%	108%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-135		
Lab Sample ID:	F6952-6	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06209.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [b]	ST06178.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	3.4	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	93%	50-144%
2051-24-3	Decachlorobiphenyl	91%	113%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-136		
Lab Sample ID:	F6952-7	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06213.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06179.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	95%	50-144%
2051-24-3	Decachlorobiphenyl	80%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-137		
Lab Sample ID:	F6952-8	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06214.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [b]	ST06180.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	1.9	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%	93%	50-144%
2051-24-3	Decachlorobiphenyl	83%	114%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-138		
Lab Sample ID:	F6952-9	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06181.D	10	07/20/00	SKW	07/12/00	OP1814	GST223
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	225	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	20.0	38	ug/kg	J
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	75	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-144%
2051-24-3	Decachlorobiphenyl	109%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-139		
Lab Sample ID:	F6952-10	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06215.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06182.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%	102%	50-144%
2051-24-3	Decachlorobiphenyl	71%	118%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-140		
Lab Sample ID:	F6952-11	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06216.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06183.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	103%	50-144%
2051-24-3	Decachlorobiphenyl	61%	108%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-141		
Lab Sample ID:	F6952-12	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06217.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06186.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	90%	50-144%
2051-24-3	Decachlorobiphenyl	97%	140%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-142		
Lab Sample ID:	F6952-13	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06218.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06187.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [b]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	79	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	88%	50-144%
2051-24-3	Decachlorobiphenyl	77%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-143		
Lab Sample ID:	F6952-14	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06219.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06188.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	88%	50-144%
2051-24-3	Decachlorobiphenyl	82%	106%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-144		
Lab Sample ID:	F6952-15	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06189.D	10	07/20/00	SKW	07/12/00	OP1814	GST223
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	144	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND	37	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP10		
Lab Sample ID:	F6952-17	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06191.D	10	07/20/00	SKW	07/12/00	OP1814	GST223
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	199	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		50-144%
2051-24-3	Decachlorobiphenyl	125%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP11		
Lab Sample ID:	F6952-18	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06220.D	1	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2 [a]	ST06192.D	10	07/20/00	SKW	07/12/00	OP1814	GST223

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	88%	50-144%
2051-24-3	Decachlorobiphenyl	77%	110%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-G10B		
Lab Sample ID:	F6952-16	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
Method:	SW846 3550B/8081A	**Percent Solids:**	80.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06202.D	500	07/21/00	SKW	07/12/00	OP1814	GST224
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1000	ug/kg	
319-84-6	alpha-BHC	ND	1000	ug/kg	
319-85-7	beta-BHC	ND	1000	ug/kg	
319-86-8	delta-BHC	ND	1000	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1000	ug/kg	
12789-03-6	Chlordane	80800	10000	ug/kg	
5103-71-9	alpha-Chlordane	10100	2100	ug/kg	
5103-74-2	gamma-Chlordane	10400	2100	ug/kg	
60-57-1	Dieldrin	506	1000	ug/kg	J
72-54-8	4,4'-DDD	ND	2100	ug/kg	
72-55-9	4,4'-DDE	711	2100	ug/kg	J
50-29-3	4,4'-DDT [b]	ND	4200	ug/kg	
72-20-8	Endrin	ND	2100	ug/kg	
1031-07-8	Endosulfan sulfate	ND	2100	ug/kg	
7421-93-4	Endrin aldehyde	ND	2100	ug/kg	
53494-70-5	Endrin ketone	ND	2100	ug/kg	
959-98-8	Endosulfan-I	ND	1000	ug/kg	
33213-65-9	Endosulfan-II	ND	2100	ug/kg	
76-44-8	Heptachlor	ND	1000	ug/kg	
1024-57-3	Heptachlor epoxide	735	1000	ug/kg	J
72-43-5	Methoxychlor [b]	ND	8200	ug/kg	
8001-35-2	Toxaphene	ND	100000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [c]		50-144%
2051-24-3	Decachlorobiphenyl	0% [c]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.
(c) Outside control limits due to dilution.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 9, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7062

SAMPLES: 15/Surface Soil

CEF-P51-DUP18	CEF-P51-SS-212
CEF-P51-SS-213	CEF-P51-SS-214
CEF-P51-SS-215	CEF-P51-SS-216
CEF-P51-SS-217	CEF-P51-SS-218
CEF-P51-SS-219	CEF-P51-SS-220
CEF-P51-SS-221	CEF-P51-SS-222
CEF-P51-SS-223	CEF-P51-SS-224
CEF-P51-SS-225	

OVERVIEW

The sample set for CTO 078, SDG F7062 Naval Air Station (NAS) Cecil Field; Florida consists of fifteen (15) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. One (1) field duplicate pair (CEF-P51-SS-221/CEF-P51-DUP18) was included within this SDG.

The samples were collected by Tetra Tech, NUS on July 14th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and is in the process of providing the Form Xs.

All samples were analyzed at a 10X dilution thus causing elevated reporting limits.

Compounds, 4,4'-DDT and Methoxychlor, were analyzed at a 50X dilution in all the samples.

ADDITIONAL COMMENTS

Positive results that were reported at concentrations below the Reporting Limits (RLs) were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: All samples were analyzed at a dilution.

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-DUP18			CEF-P51-SS-212			CEF-P51-SS-213			CEF-P51-SS-214		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-15			F7062-1			F7062-2			F7062-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.4 %			73.9 %			78.0 %			77.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-221											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	38	U		45	U		43	U		43	U	
4,4'-DDE	38	U		45	U		43	U		43	U	
4,4'-DDT	190	U		220	U		210	U		220	U	
ALDRIN	19	U		22	U		21	U		21	U	
ALPHA-BHC	19	U		22	U		21	U		21	U	
ALPHA-CHLORDANE	38	U		45	U		43	U		43	U	
BETA-BHC	19	U		22	U		21	U		21	U	
CHLORDANE	190	U		220	U		210	U		210	U	
DELTA-BHC	19	U		22	U		21	U		21	U	
DIELDRIN	19	U		22	U		21	U		21	U	
ENDOSULFAN I	19	U		22	U		21	U		21	U	
ENDOSULFAN II	38	U		45	U		43	U		43	U	
ENDOSULFAN SULFATE	38	U		45	U		43	U		43	U	
ENDRIN	38	U		45	U		43	U		43	U	
ENDRIN ALDEHYDE	38	U		45	U		43	U		43	U	
ENDRIN KETONE	38	U		45	U		43	U		43	U	
GAMMA-BHC (LINDANE)	19	U		22	U		21	U		21	U	
GAMMA-CHLORDANE	38	U		45	U		43	U		43	U	
HEPTACHLOR	19	U		22	U		21	U		21	U	
HEPTACHLOR EPOXIDE	19	U		22	U		21	U		21	U	
METHOXYCHLOR	390	U		450	U		430	U		430	U	
TOXAPHENE	1900	U		2200	U		2100	U		2100	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-215			CEF-P51-SS-216			CEF-P51-SS-217			CEF-P51-SS-218		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-4			F7062-5			F7062-6			F7062-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	70.0 %			87.6 %			93.3 %			93.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	48	U		38	U		36	U		36	U	
4,4'-DDE	48	U		38	U		36	U		36	U	
4,4'-DDT	240	U		190	U		180	U		180	U	
ALDRIN	24	U		19	U		18	U		18	U	
ALPHA-BHC	24	U		19	U		18	U		18	U	
ALPHA-CHLORDANE	48	U		38	U		36	U		36	U	
BETA-BHC	24	U		19	U		18	U		18	U	
CHLORDANE	240	U		190	U		180	U		180	U	
DELTA-BHC	24	U		19	U		18	U		18	U	
DIELDRIN	58.5			19	U		85.7			18	U	
ENDOSULFAN I	24	U		19	U		18	U		18	U	
ENDOSULFAN II	48	U		38	U		36	U		36	U	
ENDOSULFAN SULFATE	48	U		38	U		36	U		36	U	
ENDRIN	48	U		38	U		36	U		36	U	
ENDRIN ALDEHYDE	48	U		38	U		36	U		36	U	
ENDRIN KETONE	48	U		38	U		36	U		36	U	
GAMMA-BHC (LINDANE)	24	U		19	U		18	U		18	U	
GAMMA-CHLORDANE	48	U		38	U		36	U		36	U	
HEPTACHLOR	24	U		19	U		18	U		18	U	
HEPTACHLOR EPOXIDE	24	U		19	U		18	U		18	U	
METHOXYCHLOR	480	U		380	U		360	U		360	U	
TOXAPHENE	2400	U		1900	U		1800	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-219			CEF-P51-SS-220			CEF-P51-SS-221			CEF-P51-SS-222		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-8			F7062-9			F7062-10			F7062-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.8 %			84.7 %			86.6 %			81.1 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	36	U		39	U		38	U		41	U	
4,4'-DDE	36	U		39	U		38	U		41	U	
4,4'-DDT	180	U		200	U		190	U		200	U	
ALDRIN	18	U		20	U		19	U		20	U	
ALPHA-BHC	18	U		20	U		19	U		20	U	
ALPHA-CHLORDANE	36	U		39	U		38	U		41	U	
BETA-BHC	18	U		20	U		19	U		20	U	
CHLORDANE	180	U		200	U		190	U		200	U	
DELTA-BHC	18	U		20	U		19	U		20	U	
DIELDRIN	22.3			20	U		19	U		20	U	
ENDOSULFAN I	18	U		20	U		19	U		20	U	
ENDOSULFAN II	36	U		39	U		38	U		41	U	
ENDOSULFAN SULFATE	36	U		39	U		38	U		41	U	
ENDRIN	36	U		39	U		38	U		41	U	
ENDRIN ALDEHYDE	36	U		39	U		38	U		41	U	
ENDRIN KETONE	36	U		39	U		38	U		41	U	
GAMMA-BHC (LINDANE)	18	U		20	U		19	U		20	U	
GAMMA-CHLORDANE	36	U		39	U		38	U		41	U	
HEPTACHLOR	18	U		20	U		19	U		20	U	
HEPTACHLOR EPOXIDE	18	U		20	U		19	U		20	U	
METHOXYCHLOR	360	U		390	U		380	U		410	U	
TOXAPHENE	1800	U		2000	U		1900	U		2000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-223			CEF-P51-SS-224			CEF-P51-SS-225					
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			/ /		
LABORATORY ID:	F7062-12			F7062-13			F7062-14					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	88.0 %			93.8 %			86.5 %			100.0 %		
UNITS:	UG/KG			UG/KG			UG/KG					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	38	U		36	U		38	U				
4,4'-DDE	38	U		36	U		38	U				
4,4'-DDT	190	U		180	U		190	U				
ALDRIN	19	U		18	U		19	U				
ALPHA-BHC	19	U		18	U		19	U				
ALPHA-CHLORDANE	9.8	J	P	36	U		38	U				
BETA-BHC	19	U		18	U		19	U				
CHLORDANE	190	U		180	U		190	U				
DELTA-BHC	19	U		18	U		19	U				
DIELDRIN	209			18	U		19	U				
ENDOSULFAN I	19	U		18	U		19	U				
ENDOSULFAN II	38	U		36	U		38	U				
ENDOSULFAN SULFATE	38	U		36	U		38	U				
ENDRIN	38	U		36	U		38	U				
ENDRIN ALDEHYDE	38	U		36	U		38	U				
ENDRIN KETONE	38	U		36	U		38	U				
GAMMA-BHC (LINDANE)	19	U		18	U		19	U				
GAMMA-CHLORDANE	38	U		36	U		38	U				
HEPTACHLOR	19	U		18	U		19	U				
HEPTACHLOR EPOXIDE	19	U		18	U		19	U				
METHOXYCHLOR	380	U		360	U		380	U				
TOXAPHENE	1900	U		1800	U		1900	U				

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP18		
Lab Sample ID:	F7062-15	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08224.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08253.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	96%	50-144%
2051-24-3	Decachlorobiphenyl	131%	150%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

C31

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-212		
Lab Sample ID:	F7062-1	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	73.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08206.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08235.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	22	ug/kg	
319-84-6	alpha-BHC	ND	22	ug/kg	
319-85-7	beta-BHC	ND	22	ug/kg	
319-86-8	delta-BHC	ND	22	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	22	ug/kg	
12789-03-6	Chlordane	ND	220	ug/kg	
5103-71-9	alpha-Chlordane	ND	45	ug/kg	
5103-74-2	gamma-Chlordane	ND	45	ug/kg	
60-57-1	Dieldrin	ND	22	ug/kg	
72-54-8	4,4'-DDD	ND	45	ug/kg	
72-55-9	4,4'-DDE	ND	45	ug/kg	
50-29-3	4,4'-DDT	ND [b]	220	ug/kg	
72-20-8	Endrin	ND	45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	45	ug/kg	
7421-93-4	Endrin aldehyde	ND	45	ug/kg	
53494-70-5	Endrin ketone	ND	45	ug/kg	
959-98-8	Endosulfan-I	ND	22	ug/kg	
33213-65-9	Endosulfan-II	ND	45	ug/kg	
76-44-8	Heptachlor	ND	22	ug/kg	
1024-57-3	Heptachlor epoxide	ND	22	ug/kg	
72-43-5	Methoxychlor	ND [b]	450	ug/kg	
8001-35-2	Toxaphene	ND	2200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	97%	50-144%
2051-24-3	Decachlorobiphenyl	118%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-213		
Lab Sample ID:	F7062-2	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	78.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08209.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08238.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	21	ug/kg	
319-84-6	alpha-BHC	ND	21	ug/kg	
319-85-7	beta-BHC	ND	21	ug/kg	
319-86-8	delta-BHC	ND	21	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	21	ug/kg	
12789-03-6	Chlordane	ND	210	ug/kg	
5103-71-9	alpha-Chlordane	ND	43	ug/kg	
5103-74-2	gamma-Chlordane	ND	43	ug/kg	
60-57-1	Dieldrin	ND	21	ug/kg	
72-54-8	4,4'-DDD	ND	43	ug/kg	
72-55-9	4,4'-DDE	ND	43	ug/kg	
50-29-3	4,4'-DDT	ND [b]	210	ug/kg	
72-20-8	Endrin	ND	43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	43	ug/kg	
7421-93-4	Endrin aldehyde	ND	43	ug/kg	
53494-70-5	Endrin ketone	ND	43	ug/kg	
959-98-8	Endosulfan-I	ND	21	ug/kg	
33213-65-9	Endosulfan-II	ND	43	ug/kg	
76-44-8	Heptachlor	ND	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	21	ug/kg	
72-43-5	Methoxychlor	ND [b]	430	ug/kg	
8001-35-2	Toxaphene	ND	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	105%	50-144%
2051-24-3	Decachlorobiphenyl	129%	135%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-214		
Lab Sample ID:	F7062-3	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08210.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08239.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	21	ug/kg	
319-84-6	alpha-BHC	ND	21	ug/kg	
319-85-7	beta-BHC	ND	21	ug/kg	
319-86-8	delta-BHC	ND	21	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	21	ug/kg	
12789-03-6	Chlordane	ND	210	ug/kg	
5103-71-9	alpha-Chlordane	ND	43	ug/kg	
5103-74-2	gamma-Chlordane	ND	43	ug/kg	
60-57-1	Dieldrin	ND	21	ug/kg	
72-54-8	4,4'-DDD	ND	43	ug/kg	
72-55-9	4,4'-DDE	ND	43	ug/kg	
50-29-3	4,4'-DDT	ND [b]	220	ug/kg	
72-20-8	Endrin	ND	43	ug/kg	
1031-07-8	Endosulfan sulfate	ND	43	ug/kg	
7421-93-4	Endrin aldehyde	ND	43	ug/kg	
53494-70-5	Endrin ketone	ND	43	ug/kg	
959-98-8	Endosulfan-I	ND	21	ug/kg	
33213-65-9	Endosulfan-II	ND	43	ug/kg	
76-44-8	Heptachlor	ND	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	21	ug/kg	
72-43-5	Methoxychlor	ND [b]	430	ug/kg	
8001-35-2	Toxaphene	ND	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	94%	50-144%
2051-24-3	Decachlorobiphenyl	113%	128%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

C07

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Report of Analysis

Client Sample ID:	CEF-P51-SS-215		
Lab Sample ID:	F7062-4	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	70.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08211.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08240.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	24	ug/kg	
319-84-6	alpha-BHC	ND	24	ug/kg	
319-85-7	beta-BHC	ND	24	ug/kg	
319-86-8	delta-BHC	ND	24	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	24	ug/kg	
12789-03-6	Chlordane	ND	240	ug/kg	
5103-71-9	alpha-Chlordane	ND	48	ug/kg	
5103-74-2	gamma-Chlordane	ND	48	ug/kg	
60-57-1	Dieldrin [b]	58.5	24	ug/kg	
72-54-8	4,4'-DDD	ND	48	ug/kg	
72-55-9	4,4'-DDE	ND	48	ug/kg	
50-29-3	4,4'-DDT	ND [c]	240	ug/kg	
72-20-8	Endrin	ND	48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	48	ug/kg	
7421-93-4	Endrin aldehyde	ND	48	ug/kg	
53494-70-5	Endrin ketone	ND	48	ug/kg	
959-98-8	Endosulfan-I	ND	24	ug/kg	
33213-65-9	Endosulfan-II	ND	48	ug/kg	
76-44-8	Heptachlor	ND	24	ug/kg	
1024-57-3	Heptachlor epoxide	ND	24	ug/kg	
72-43-5	Methoxychlor	ND [c]	480	ug/kg	
8001-35-2	Toxaphene	ND	2400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	100%	50-144%
2051-24-3	Decachlorobiphenyl	119%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-216		
Lab Sample ID:	F7062-5	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08212.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08241.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	107%	50-144%
2051-24-3	Decachlorobiphenyl	127%	138%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-217		
Lab Sample ID:	F7062-6	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08213.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08242.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin [b]	85.7	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [c]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [c]	360	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	111%	50-144%
2051-24-3	Decachlorobiphenyl	131%	148%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-218		
Lab Sample ID:	F7062-7	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08216.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08245.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	360	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	107%	50-144%
2051-24-3	Decachlorobiphenyl	137%	142%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-219		
Lab Sample ID:	F7062-8	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08217.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08246.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin [b]	22.3	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [c]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [c]	360	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%	114%	50-144%
2051-24-3	Decachlorobiphenyl	137%	156%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-220		
Lab Sample ID:	F7062-9	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08218.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08247.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	20	ug/kg	
319-84-6	alpha-BHC	ND	20	ug/kg	
319-85-7	beta-BHC	ND	20	ug/kg	
319-86-8	delta-BHC	ND	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	20	ug/kg	
12789-03-6	Chlordane	ND	200	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	20	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND [b]	200	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	20	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	20	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	90%	50-144%
2051-24-3	Decachlorobiphenyl	128%	152%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-221		
Lab Sample ID:	F7062-10	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08219.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08248.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	105%	50-144%
2051-24-3	Decachlorobiphenyl	126%	145%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-222		
Lab Sample ID:	F7062-11	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	81.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08220.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08249.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	20	ug/kg	
319-84-6	alpha-BHC	ND	20	ug/kg	
319-85-7	beta-BHC	ND	20	ug/kg	
319-86-8	delta-BHC	ND	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	20	ug/kg	
12789-03-6	Chlordane	ND	200	ug/kg	
5103-71-9	alpha-Chlordane	ND	41	ug/kg	
5103-74-2	gamma-Chlordane	ND	41	ug/kg	
60-57-1	Dieldrin	ND	20	ug/kg	
72-54-8	4,4'-DDD	ND	41	ug/kg	
72-55-9	4,4'-DDE	ND	41	ug/kg	
50-29-3	4,4'-DDT	ND [b]	200	ug/kg	
72-20-8	Endrin	ND	41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	41	ug/kg	
7421-93-4	Endrin aldehyde	ND	41	ug/kg	
53494-70-5	Endrin ketone	ND	41	ug/kg	
959-98-8	Endosulfan-I	ND	20	ug/kg	
33213-65-9	Endosulfan-II	ND	41	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	20	ug/kg	
72-43-5	Methoxychlor	ND [b]	410	ug/kg	
8001-35-2	Toxaphene	ND	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	107%	50-144%
2051-24-3	Decachlorobiphenyl	119%	138%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-223		
Lab Sample ID:	F7062-12	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08221.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08250.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane [b]	9.8	38	ug/kg	J
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin [b]	209	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [c]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [c]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	105%	50-144%
2051-24-3	Decachlorobiphenyl	129%	141%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

C25

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-224		
Lab Sample ID:	F7062-13	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08222.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08251.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	360	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	109%	50-144%
2051-24-3	Decachlorobiphenyl	129%	148%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

027

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-225		
Lab Sample ID:	F7062-14	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08223.D	10	07/21/00	SKW	07/20/00	OP1852	GMN323
Run #2 [a]	MN08252.D	50	07/24/00	SKW	07/20/00	OP1852	GMN324

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%	111%	50-144%
2051-24-3	Decachlorobiphenyl	135%	145%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 9, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7028

SAMPLES: 36/Surface Soil

CEF-P51-DUP14	CEF-P51-DUP15
CEF-P51-DUP16	CEF-P51-DUP17
CEF-P51-SS-168	CEF-P51-SS-169
CEF-P51-SS-170	CEF-P51-SS-174
CEF-P51-SS-175	CEF-P51-SS-176
CEF-P51-SS-177	CEF-P51-SS-178
CEF-P51-SS-179	CEF-P51-SS-180
CEF-P51-SS-181	CEF-P51-SS-182
CEF-P51-SS-183	CEF-P51-SS-184
CEF-P51-SS-185	CEF-P51-SS-189
CEF-P51-SS-190	CEF-P51-SS-191
CEF-P51-SS-192	CEF-P51-SS-193
CEF-P51-SS-194	CEF-P51-SS-195
CEF-P51-SS-197	CEF-P51-SS-198
CEF-P51-SS-199	CEF-P51-SS-200
CEF-P51-SS-201	CEF-P51-SS-202
CEF-P51-SS-203	CEF-P51-SS-204
CEF-P51-SS-209	CEF-P51-SS-211

OVERVIEW

The sample set for CTO 078, SDG F7028 Naval Air Station (NAS) Cecil Field; Florida consists of thirty-six (36) surface soil environmental samples. The samples were analyzed for pesticide organic compounds. Four (4) field duplicate pair (CEF-P51-SS-175/CEF-P51-DUP14, CEF-P51-SS-181/CEF-P51-DUP15, CEF-P51-SS-211/CEF-P51-DUP16, and CEF-P51-SS-191/CEF-P51-DUP17) was included within this SDG.

The samples were collected by Tetra Tech, NUS on July 11th and 12th, 2000 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 8081A 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

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 2

* • 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.

PESTICIDE FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits:

Samples	Dilution
CEF-P51-DUP14	50X
CEF-P51-DUP15	10X
CEF-P51-DUP16	10X
CEF-P51-DUP17	10X
CEF-P51-SS-168	10X
CEF-P51-SS-169	10X
CEF-P51-SS-170	50X
CEF-P51-SS-176	10X
CEF-P51-SS-177	50X
CEF-P51-SS-180	5X
CEF-P51-SS-181	5X
CEF-P51-SS-190	10X
CEF-P51-SS-191	10X
CEF-P51-SS-192	10X
CEF-P51-SS-193	10X
CEF-P51-SS-194	10X
CEF-P51-SS-195	10X
CEF-P51-SS-197	10X
CEF-P51-SS-198	10X
CEF-P51-SS-199	10X
CEF-P51-SS-200	10X
CEF-P51-SS-201	10X
CEF-P51-SS-202	10X
CEF-P51-SS-203	10X
CEF-P51-SS-204	10X
CEF-P51-SS-209	10X
CEF-P51-SS-211	10X

It should be noted that several compounds in several samples were analyzed at a dilution in addition to the original analysis or dilution. The laboratory claimed matrix interference was responsible for the dilutions.

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and will provide the Form Xs.

It should be noted that the laboratory failed to report technical Chlordane result in sample CEF-P51-SS-174.

ADDITIONAL COMMENTS

Positive results that were reported at concentrations below the Reporting Limits (RLs) were qualified as estimated (J).

MEMO TO: MARK SPERANZA
DATE: AUGUST 9, 2000 – PAGE 3

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution.

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-DUP14			CEF-P51-DUP15			CEF-P51-DUP16			CEF-P51-DUP17		
SAMPLE DATE:	07/11/00			07/11/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-13			F7028-14			F7028-35			F7028-36		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.9 %			87.2 %			90.4 %			88.1 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-175			CEF-P51-SS-181			CEF-P51-SS-211			CEF-P51-SS-191		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		38	U		3.7	U		3.8	U	
4,4'-DDE	3.0	J	P	38	U		3.7	U		3.1	J	P
4,4'-DDT	180	U		190	U		37	U		38	U	
ALDRIN	1.8	U		19	U		1.8	U		1.9	U	
ALPHA-BHC	1.8	U		19	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.7	U		38	U		3.7	U		3.8	U	
BETA-BHC	1.8	U		19	U		1.8	U		1.9	U	
CHLORDANE	18	U		190	U		18	U		19	U	
DELTA-BHC	1.8	U		19	U		1.8	U		1.9	U	
DIELDRIN	3.2			71.4			22.9			1.9	U	
ENDOSULFAN I	1.8	U		19	U		1.8	U		1.9	U	
ENDOSULFAN II	3.7	U		38	U		3.7	U		3.8	U	
ENDOSULFAN SULFATE	3.7	U		38	U		3.7	U		3.8	U	
ENDRIN	3.7	U		38	U		3.7	U		3.8	U	
ENDRIN ALDEHYDE	3.7	U		38	U		3.7	U		3.8	U	
ENDRIN KETONE	180	U		38	U		3.7	U		3.8	U	
GAMMA-BHC (LINDANE)	1.8	U		19	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.7	U		38	U		3.7	U		3.8	U	
HEPTACHLOR	92	U		19	U		1.8	U		1.9	U	
HEPTACHLOR EPOXIDE	1.8	U		19	U		1.8	U		1.9	U	
METHOXYCHLOR	370	U		76	U		74	U		76	U	
TOXAPHENE	180	U		1900	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-168			CEF-P51-SS-169			CEF-P51-SS-170			CEF-P51-SS-174		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/11/00		
LABORATORY ID:	F7028-33			F7028-17			F7028-16			F7028-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.9 %			91.6 %			90.8 %			90.5 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	39	U		36	U		180	U		3.7	U	
4,4'-DDE	39	U		36	U		180			0.93	J	P
4,4'-DDT	190	U		180	U		197			37	U	
ALDRIN	19	U		18	U		92	U		1.8	U	
ALPHA-BHC	19	U		18	U		92	U		1.8	U	
ALPHA-CHLORDANE	39	U		36	U		53.6	J	P	2.9	J	P
BETA-BHC	19	U		18	U		92	U		1.8	U	
CHLORDANE	190	U		180	U		920	U		22.5	J	P
DELTA-BHC	19	U		18	U		92	U		1.8	U	
DIELDRIN	19	U		18	U		454			1.5	J	P
ENDOSULFAN I	19	U		18	U		92	U		1.8	U	
ENDOSULFAN II	39	U		36	U		180	U		3.7	U	
ENDOSULFAN SULFATE	39	U		36	U		180	U		3.7	U	
ENDRIN	39	U		36	U		180	U		3.7	U	
ENDRIN ALDEHYDE	39	U		36	U		180	U		3.7	U	
ENDRIN KETONE	39	U		36	U		180	U		37	U	
GAMMA-BHC (LINDANE)	19	U		18	U		92	U		1.8	U	
GAMMA-CHLORDANE	39	U		36	U		60.2	J	P	1.8	J	P
HEPTACHLOR	19	U		18	U		92	U		18	U	
HEPTACHLOR EPOXIDE	19	U		18	U		92	U		1.8	U	
METHOXYCHLOR	390	U		73	U		370	U		74	U	
TOXAPHENE	1900	U		1800	U		9200	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-175			CEF-P51-SS-176			CEF-P51-SS-177			CEF-P51-SS-178		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/11/00		
LABORATORY ID:	F7028-2			F7028-3			F7028-4			F7028-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.4 %			90.5 %			94.3 %			93.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		37	U		84.5	J	P	3.6	U	
4,4'-DDE	3.6	J	P	28.2	J	P	377			3.6	U	
4,4'-DDT	37	U		10.1	J	P	311			36	U	
ALDRIN	1.8	U		18	U		88	U		1.8	U	
ALPHA-BHC	1.8	U		18	U		88	U		1.8	U	
ALPHA-CHLORDANE	3.7	U		40.2			85.6	J	P	3.6	U	
BETA-BHC	1.8	U		18	U		88	U		1.8	U	
CHLORDANE	18	U		180	U		880	U		18	U	
DELTA-BHC	1.8	U		18	U		88	U		1.8	U	
DIELDRIN	3.7			59.3			621			2.0		
ENDOSULFAN I	1.8	U		18	U		88	U		1.8	U	
ENDOSULFAN II	3.7	U		37	U		180	U		3.6	U	
ENDOSULFAN SULFATE	3.7	U		37	U		180	U		3.6	U	
ENDRIN	3.7	U		37	U		180	U		3.6	U	
ENDRIN ALDEHYDE	3.7	U		37	U		180	U		3.6	U	
ENDRIN KETONE	37	U		37	U		180	U		36	U	
GAMMA-BHC (LINDANE)	1.8	U		18	U		88	U		1.8	U	
GAMMA-CHLORDANE	3.7	U		19.6	J	P	52.9	J	P	3.6	U	
HEPTACHLOR	18	U		18	U		88	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		19.6			88	U		1.8	U	
METHOXYCHLOR	74	U		74	U		350	U		71	U	
TOXAPHENE	180	U		1800	U		8800	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-179			CEF-P51-SS-180			CEF-P51-SS-181			CEF-P51-SS-182		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/11/00		
LABORATORY ID:	F7028-6			F7028-7			F7028-8			F7028-9		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.1 %			86.3 %			87.2 %			96.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.9	U		19	U		21	U		3.4	U	
4,4'-DDE	3.9	U		19	U		21	U		3.4	U	
4,4'-DDT	39	U		39	U		190	U		170	U	
ALDRIN	1.9	U		9.6	U		5.2	J	P	1.7	U	
ALPHA-BHC	1.9	U		9.6	U		11	U		1.7	U	
ALPHA-CHLORDANE	3.9	U		19	U		21	U		3.4	U	
BETA-BHC	1.9	U		9.6	U		11	U		1.7	U	
CHLORDANE	19	U		96	U		110	U		17	U	
DELTA-BHC	1.9	U		9.6	U		11	U		1.7	U	
DIELDRIN	1.3	J	P	66			67.9			1.7	U	
ENDOSULFAN I	1.9	U		9.6	U		11	U		1.7	U	
ENDOSULFAN II	3.9	U		19	U		21	U		3.4	U	
ENDOSULFAN SULFATE	3.9	U		19	U		21	U		3.4	U	
ENDRIN	3.9	U		19	U		21	U		3.4	U	
ENDRIN ALDEHYDE	3.9	U		19	U		21	U		3.4	U	
ENDRIN KETONE	39	U		39	U		190	U		170	U	
GAMMA-BHC (LINDANE)	1.9	U		9.6	U		11	U		1.7	U	
GAMMA-CHLORDANE	3.9	U		19	U		21	U		3.4	U	
HEPTACHLOR	19	U		19	U		96	U		86	U	
HEPTACHLOR EPOXIDE	1.9	U		9.6	U		11	U		1.7	U	
METHOXYCHLOR	77	U		77	U		380	U		350	U	
TOXAPHENE	190	U		960	U		1100	U		170	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-183			CEF-P51-SS-184			CEF-P51-SS-185			CEF-P51-SS-189		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/12/00		
LABORATORY ID:	F7028-10			F7028-11			F7028-12			F7028-34		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	95.2 %			91.4 %			91.4 %			91.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.6	U		3.6	U		3.6	U	
4,4'-DDE	3.5	U		3.6	U		3.6	U		3.6	U	
4,4'-DDT	180	U		180	U		180	U		36	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.5	U		3.6	U		3.6	U		3.6	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	18	U		18	U		18	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.5	U		3.6	U		3.6	U		3.6	U	
ENDOSULFAN SULFATE	3.5	U		3.6	U		3.6	U		3.6	U	
ENDRIN	3.5	U		3.6	U		3.6	U		3.6	U	
ENDRIN ALDEHYDE	3.5	U		3.6	U		3.6	U		3.6	U	
ENDRIN KETONE	180	U		180	U		180	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.5	U		3.6	U		3.6	U		3.6	U	
HEPTACHLOR	88	U		91	U		91	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	350	U		360	U		360	U		72	U	
TOXAPHENE	180	U		180	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-190			CEF-P51-SS-191			CEF-P51-SS-192			CEF-P51-SS-193		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-15			F7028-26			F7028-27			F7028-28		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.2 %			87.9 %			88.7 %			86.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	36	U		38	U		38	U		39	U	
4,4'-DDE	36	U		38	U		38	U		33.3	J	P
4,4'-DDT	180	U		190	U		190	U		190	U	
ALDRIN	18	U		19	U		19	U		19	U	
ALPHA-BHC	18	U		19	U		19	U		19	U	
ALPHA-CHLORDANE	36	U		38	U		38	U		39	U	
BETA-BHC	18	U		19	U		19	U		19	U	
CHLORDANE	180	U		190	U		190	U		190	U	
DELTA-BHC	18	U		19	U		19	U		19	U	
DIELDRIN	18	U		19	U		19	U		19	U	
ENDOSULFAN I	18	U		19	U		19	U		19	U	
ENDOSULFAN II	36	U		38	U		38	U		39	U	
ENDOSULFAN SULFATE	36	U		38	U		38	U		39	U	
ENDRIN	36	U		38	U		38	U		39	U	
ENDRIN ALDEHYDE	36	U		38	U		38	U		39	U	
ENDRIN KETONE	36	U		38	U		38	U		39	U	
GAMMA-BHC (LINDANE)	18	U		19	U		19	U		19	U	
GAMMA-CHLORDANE	36	U		38	U		38	U		39	U	
HEPTACHLOR	18	U		19	U		19	U		19	U	
HEPTACHLOR EPOXIDE	18	U		19	U		19	U		19	U	
METHOXYCHLOR	73	U		380	U		380	U		390	U	
TOXAPHENE	1800	U		1900	U		1900	U		1900	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-194			CEF-P51-SS-195			CEF-P51-SS-197			CEF-P51-SS-198		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-29			F7028-30			F7028-31			F7028-32		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.5 %			88.2 %			87.0 %			94.1 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	35	U		38	U		38	U		35	U	
4,4'-DDE	35	U		38	U		38	U		35	U	
4,4'-DDT	180	U		190	U		190	U		180	U	
ALDRIN	18	U		19	U		19	U		18	U	
ALPHA-BHC	18	U		19	U		19	U		18	U	
ALPHA-CHLORDANE	35	U		38	U		38	U		35	U	
BETA-BHC	18	U		19	U		19	U		18	U	
CHLORDANE	180	U		190	U		190	U		180	U	
DELTA-BHC	18	U		19	U		19	U		18	U	
DIELDRIN	11.6	J	P	19	U		19	U		18	U	
ENDOSULFAN I	18	U		19	U		19	U		18	U	
ENDOSULFAN II	35	U		38	U		38	U		35	U	
ENDOSULFAN SULFATE	35	U		38	U		38	U		35	U	
ENDRIN	35	U		38	U		38	U		35	U	
ENDRIN ALDEHYDE	35	U		38	U		38	U		35	U	
ENDRIN KETONE	35	U		38	U		38	U		35	U	
GAMMA-BHC (LINDANE)	18	U		19	U		19	U		18	U	
GAMMA-CHLORDANE	35	U		38	U		38	U		35	U	
HEPTACHLOR	18	U		19	U		19	U		18	U	
HEPTACHLOR EPOXIDE	18	U		19	U		19	U		18	U	
METHOXYCHLOR	350	U		380	U		380	U		350	U	
TOXAPHENE	1800	U		1900	U		1900	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-199			CEF-P51-SS-200			CEF-P51-SS-201			CEF-P51-SS-202		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-25			F7028-24			F7028-23			F7028-22		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.2 %			86.4 %			78.3 %			89.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	37	U		38	U		42	U		37	U	
4,4'-DDE	37	U		38	U		42	U		37	U	
4,4'-DDT	190	U		190	U		210	U		180	U	
ALDRIN	19	U		19	U		21	U		18	U	
ALPHA-BHC	19	U		19	U		21	U		18	U	
ALPHA-CHLORDANE	37	U		38	U		42	U		37	U	
BETA-BHC	19	U		19	U		21	U		18	U	
CHLORDANE	190	U		190	U		210	U		180	U	
DELTA-BHC	19	U		19	U		21	U		18	U	
DIELDRIN	19	U		19	U		21	U		18	U	
ENDOSULFAN I	19	U		19	U		21	U		18	U	
ENDOSULFAN II	37	U		38	U		42	U		37	U	
ENDOSULFAN SULFATE	37	U		38	U		42	U		37	U	
ENDRIN	37	U		38	U		42	U		37	U	
ENDRIN ALDEHYDE	37	U		38	U		42	U		37	U	
ENDRIN KETONE	37	U		38	U		42	U		37	U	
GAMMA-BHC (LINDANE)	19	U		19	U		21	U		18	U	
GAMMA-CHLORDANE	37	U		38	U		42	U		37	U	
HEPTACHLOR	19	U		19	U		21	U		18	U	
HEPTACHLOR EPOXIDE	19	U		19	U		21	U		18	U	
METHOXYCHLOR	370	U		390	U		430	U		370	U	
TOXAPHENE	1900	U		1900	U		2100	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-203			CEF-P51-SS-204			CEF-P51-SS-209			CEF-P51-SS-211		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-21			F7028-20			F7028-19			F7028-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.6 %			85.6 %			90.1 %			90.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	39	U		39	U		37	U		37	U	
4,4'-DDE	39	U		39	U		37	U		37	U	
4,4'-DDT	200	U		200	U		180	U		180	U	
ALDRIN	20	U		19	U		18	U		18	U	
ALPHA-BHC	20	U		19	U		18	U		18	U	
ALPHA-CHLORDANE	39	U		39	U		37	U		37	U	
BETA-BHC	20	U		19	U		18	U		18	U	
CHLORDANE	200	U		190	U		180	U		180	U	
DELTA-BHC	20	U		19	U		18	U		18	U	
DIELDRIN	20	U		19	U		18	U		28.2		
ENDOSULFAN I	20	U		19	U		18	U		18	U	
ENDOSULFAN II	39	U		39	U		37	U		37	U	
ENDOSULFAN SULFATE	39	U		39	U		37	U		37	U	
ENDRIN	39	U		39	U		37	U		37	U	
ENDRIN ALDEHYDE	39	U		39	U		37	U		37	U	
ENDRIN KETONE	39	U		39	U		37	U		37	U	
GAMMA-BHC (LINDANE)	20	U		19	U		18	U		18	U	
GAMMA-CHLORDANE	39	U		39	U		37	U		37	U	
HEPTACHLOR	20	U		19	U		18	U		18	U	
HEPTACHLOR EPOXIDE	20	U		19	U		18	U		18	U	
METHOXYCHLOR	390	U		390	U		74	U		74	U	
TOXAPHENE	2000	U		1900	U		1800	U		1800	U	

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP14		
Lab Sample ID:	F7028-13	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06386.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06435.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	3.2	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	3.0	3.7	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	180	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	180	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	92	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	370	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	112%	50-144%
2051-24-3	Decachlorobiphenyl	72%	155%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-DUP15		
Lab Sample ID:	F7028-14	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08364.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08402.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin [b]	71.4	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [c]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	76	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	122%	111%	50-144%
2051-24-3	Decachlorobiphenyl	131%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP16		
Lab Sample ID:	F7028-35	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08271.D	1	07/25/00	SKW	07/19/00	OP1847	GMN325
Run #2 [b]	MN08298.D	10	07/26/00	SKW	07/19/00	OP1847	GMN326

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	22.9	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	119%	50-144%
2051-24-3	Decachlorobiphenyl	99%	112%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP17		
Lab Sample ID:	F7028-36	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08272.D	1	07/25/00	SKW	07/19/00	OP1847	GMN325
Run #2 [b]	MN08299.D	10	07/26/00	SKW	07/19/00	OP1847	GMN326

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	3.1	3.8	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	111%	50-144%
2051-24-3	Decachlorobiphenyl	82%	104%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-168		
Lab Sample ID:	F7028-33	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08387.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08425.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	120%	103%	50-144%
2051-24-3	Decachlorobiphenyl	141%	127%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-169		
Lab Sample ID:	F7028-17	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08367.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08405.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	108%	50-144%
2051-24-3	Decachlorobiphenyl	142%	142%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

029

Report of Analysis

Client Sample ID:	CEF-P51-SS-170		
Lab Sample ID:	F7028-16	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08404.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	92	ug/kg	
319-84-6	alpha-BHC	ND	92	ug/kg	
319-85-7	beta-BHC	ND	92	ug/kg	
319-86-8	delta-BHC	ND	92	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	92	ug/kg	
12789-03-6	Chlordane	ND	920	ug/kg	
5103-71-9	alpha-Chlordane	53.6	180	ug/kg	J
5103-74-2	gamma-Chlordane	60.2	180	ug/kg	J
60-57-1	Dieldrin	454	92	ug/kg	
72-54-8	4,4'-DDD	ND	180	ug/kg	
72-55-9	4,4'-DDE	180	180	ug/kg	
50-29-3	4,4'-DDT	197	180	ug/kg	
72-20-8	Endrin	ND	180	ug/kg	
1031-07-8	Endosulfan sulfate	ND	180	ug/kg	
7421-93-4	Endrin aldehyde	ND	180	ug/kg	
53494-70-5	Endrin ketone	ND	180	ug/kg	
959-98-8	Endosulfan-I	ND	92	ug/kg	
33213-65-9	Endosulfan-II	ND	180	ug/kg	
76-44-8	Heptachlor	ND	92	ug/kg	
1024-57-3	Heptachlor epoxide	ND	92	ug/kg	
72-43-5	Methoxychlor	ND	370	ug/kg	
8001-35-2	Toxaphene	ND	9200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-144%
2051-24-3	Decachlorobiphenyl	107%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-174		
Lab Sample ID:	F7028-1	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06393.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06350.D	10	07/27/00	SKW	07/18/00	OP1841	GST228

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
5103-71-9	alpha-Chlordane	2.9	3.7	ug/kg	J
5103-74-2	gamma-Chlordane	1.8	3.7	ug/kg	J
60-57-1	Dieldrin	1.5	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	0.93	3.7	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	
	Chlordane	22.5		ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%	112%	50-144%
2051-24-3	Decachlorobiphenyl	110%	149%	10-180%

8-10-2000
JAJ

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-175		
Lab Sample ID:	F7028-2	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06394.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06351.D	10	07/27/00	SKW	07/18/00	OP1841	GST228

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	3.7	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	3.6	3.7	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	110%	50-144%
2051-24-3	Decachlorobiphenyl	105%	133%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-176		
Lab Sample ID:	F7028-3	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06352.D	10	07/27/00	SKW	07/18/00	OP1841	GST228
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	40.2	37	ug/kg	
5103-74-2	gamma-Chlordane	19.6	37	ug/kg	J
60-57-1	Dieldrin	59.3	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	28.2	37	ug/kg	J
50-29-3	4,4'-DDT	10.1	37	ug/kg	J
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	19.6	18	ug/kg	
72-43-5	Methoxychlor	ND	74	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		50-144%
2051-24-3	Decachlorobiphenyl	120%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-177		
Lab Sample ID:	F7028-4	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06410.D	50	07/29/00	SKW	07/18/00	OP1841	GST230
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	88	ug/kg	
319-84-6	alpha-BHC	ND	88	ug/kg	
319-85-7	beta-BHC	ND	88	ug/kg	
319-86-8	delta-BHC	ND	88	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	88	ug/kg	
12789-03-6	Chlordane	ND	880	ug/kg	
5103-71-9	alpha-Chlordane	85.6	180	ug/kg	J
5103-74-2	gamma-Chlordane	52.9	180	ug/kg	J
60-57-1	Dieldrin	621	88	ug/kg	
72-54-8	4,4'-DDD	84.3	180	ug/kg	J
72-55-9	4,4'-DDE	377	180	ug/kg	
50-29-3	4,4'-DDT	311	180	ug/kg	
72-20-8	Endrin	ND	180	ug/kg	
1031-07-8	Endosulfan sulfate	ND	180	ug/kg	
7421-93-4	Endrin aldehyde	ND	180	ug/kg	
53494-70-5	Endrin ketone	ND	180	ug/kg	
959-98-8	Endosulfan-I	ND	88	ug/kg	
33213-65-9	Endosulfan-II	ND	180	ug/kg	
76-44-8	Heptachlor	ND	88	ug/kg	
1024-57-3	Heptachlor epoxide	ND	88	ug/kg	
72-43-5	Methoxychlor	ND	350	ug/kg	
8001-35-2	Toxaphene	ND	8800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		50-144%
2051-24-3	Decachlorobiphenyl	152%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-178		
Lab Sample ID:	F7028-5	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06396.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06354.D	10	07/27/00	SKW	07/18/00	OP1841	GST228

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	2.0	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [c]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%	113%	50-144%
2051-24-3	Decachlorobiphenyl	111%	128%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-179		
Lab Sample ID:	F7028-6	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06397.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06355.D	10	07/27/00	SKW	07/18/00	OP1841	GST228

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	1.3	1.9	ug/kg	J
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND [c]	39	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	107%	50-144%
2051-24-3	Decachlorobiphenyl	94%	125%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-180		
Lab Sample ID:	F7028-7	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06398.D	5	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06356.D	10	07/27/00	SKW	07/18/00	OP1841	GST228

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.6	ug/kg	
319-84-6	alpha-BHC	ND	9.6	ug/kg	
319-85-7	beta-BHC	ND	9.6	ug/kg	
319-86-8	delta-BHC	ND	9.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.6	ug/kg	
12789-03-6	Chlordane	ND	96	ug/kg	
5103-71-9	alpha-Chlordane	ND	19	ug/kg	
5103-74-2	gamma-Chlordane	ND	19	ug/kg	
60-57-1	Dieldrin	66.0	9.6	ug/kg	
72-54-8	4,4'-DDD	ND	19	ug/kg	
72-55-9	4,4'-DDE	ND	19	ug/kg	
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	19	ug/kg	
1031-07-8	Endosulfan sulfate	ND	19	ug/kg	
7421-93-4	Endrin aldehyde	ND	19	ug/kg	
53494-70-5	Endrin ketone	ND [c]	39	ug/kg	
959-98-8	Endosulfan-I	ND	9.6	ug/kg	
33213-65-9	Endosulfan-II	ND	19	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.6	ug/kg	
72-43-5	Methoxychlor	ND [c]	77	ug/kg	
8001-35-2	Toxaphene	ND	960	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%	108%	50-144%
2051-24-3	Decachlorobiphenyl	110%	128%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-181		
Lab Sample ID:	F7028-8	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06379.D	5	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [b]	ST06428.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	5.2	11	ug/kg	J
319-84-6	alpha-BHC	ND	11	ug/kg	
319-85-7	beta-BHC	ND	11	ug/kg	
319-86-8	delta-BHC	ND	11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	11	ug/kg	
12789-03-6	Chlordane	ND	110	ug/kg	
5103-71-9	alpha-Chlordane	ND	21	ug/kg	
5103-74-2	gamma-Chlordane	ND	21	ug/kg	
60-57-1	Dieldrin	67.9	11	ug/kg	
72-54-8	4,4'-DDD	ND	21	ug/kg	
72-55-9	4,4'-DDE	ND	21	ug/kg	
50-29-3	4,4'-DDT	ND [c]	190	ug/kg	
72-20-8	Endrin	ND	21	ug/kg	
1031-07-8	Endosulfan sulfate	ND	21	ug/kg	
7421-93-4	Endrin aldehyde	ND	21	ug/kg	
53494-70-5	Endrin ketone	ND [c]	190	ug/kg	
959-98-8	Endosulfan-I	ND	11	ug/kg	
33213-65-9	Endosulfan-II	ND	21	ug/kg	
76-44-8	Heptachlor	ND [c]	96	ug/kg	
1024-57-3	Heptachlor epoxide	ND	11	ug/kg	
72-43-5	Methoxychlor	ND [c]	380	ug/kg	
8001-35-2	Toxaphene	ND	1100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	108%	50-144%
2051-24-3	Decachlorobiphenyl	126%	154%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-182		
Lab Sample ID:	F7028-9	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	96.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06380.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [a]	ST06429.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.7	ug/kg	
319-84-6	alpha-BHC	ND	1.7	ug/kg	
319-85-7	beta-BHC	ND	1.7	ug/kg	
319-86-8	delta-BHC	ND	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	ug/kg	
12789-03-6	Chlordane	ND	17	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.4	ug/kg	
60-57-1	Dieldrin	ND	1.7	ug/kg	
72-54-8	4,4'-DDD	ND	3.4	ug/kg	
72-55-9	4,4'-DDE	ND	3.4	ug/kg	
50-29-3	4,4'-DDT	ND [b]	170	ug/kg	
72-20-8	Endrin	ND	3.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.4	ug/kg	
53494-70-5	Endrin ketone	ND [b]	170	ug/kg	
959-98-8	Endosulfan-I	ND	1.7	ug/kg	
33213-65-9	Endosulfan-II	ND	3.4	ug/kg	
76-44-8	Heptachlor	ND [b]	86	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	350	ug/kg	
8001-35-2	Toxaphene	ND	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	97%	50-144%
2051-24-3	Decachlorobiphenyl	104%	145%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-183		
Lab Sample ID:	F7028-10	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06383.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [a]	ST06432.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	180	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	88	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	350	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	108%	50-144%
2051-24-3	Decachlorobiphenyl	97%	130%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-184		
Lab Sample ID:	F7028-11	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06384.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [a]	ST06433.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	180	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	91	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	360	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	110%	50-144%
2051-24-3	Decachlorobiphenyl	74%	159%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-185		
Lab Sample ID:	F7028-12	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06385.D	1	07/28/00	SKW	07/18/00	OP1841	GST229
Run #2 [a]	ST06434.D	50	07/29/00	SKW	07/18/00	OP1841	GST231

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	180	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	91	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	360	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	105%	50-144%
2051-24-3	Decachlorobiphenyl	67%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-189		
Lab Sample ID:	F7028-34	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08270.D	1	07/25/00	SKW	07/19/00	OP1847	GMN325
Run #2 [a]	MN08297.D	10	07/26/00	SKW	07/19/00	OP1847	GMN326

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	119%	50-144%
2051-24-3	Decachlorobiphenyl	105%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-190		
Lab Sample ID:	F7028-15	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08365.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08403.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor.	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	108%	50-144%
2051-24-3	Decachlorobiphenyl	134%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-191		
Lab Sample ID:	F7028-26	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08377.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08415.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	98%	50-144%
2051-24-3	Decachlorobiphenyl	127%	123%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-192		
Lab Sample ID:	F7028-27	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08378.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08416.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	120%	113%	50-144%
2051-24-3	Decachlorobiphenyl	140%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-193		
Lab Sample ID:	F7028-28	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08380.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08418.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE [b]	33.3	39	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	190	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [c]	390	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%	108%	50-144%
2051-24-3	Decachlorobiphenyl	143%	134%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-194		
Lab Sample ID:	F7028-29	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08381.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08419.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	35	ug/kg	
5103-74-2	gamma-Chlordane	ND	35	ug/kg	
60-57-1	Dieldrin [b]	11.6	18	ug/kg	J
72-54-8	4,4'-DDD	ND	35	ug/kg	
72-55-9	4,4'-DDE	ND	35	ug/kg	
50-29-3	4,4'-DDT	ND [c]	180	ug/kg	
72-20-8	Endrin	ND	35	ug/kg	
1031-07-8	Endosulfan sulfate	ND	35	ug/kg	
7421-93-4	Endrin aldehyde	ND	35	ug/kg	
53494-70-5	Endrin ketone	ND	35	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	35	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [c]	350	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	105%	50-144%
2051-24-3	Decachlorobiphenyl	129%	131%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-195		
Lab Sample ID:	F7028-30	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08382.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08420.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	88%	50-144%
2051-24-3	Decachlorobiphenyl	131%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-197		
Lab Sample ID:	F7028-31	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08383.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08421.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	98%	50-144%
2051-24-3	Decachlorobiphenyl	128%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-198		
Lab Sample ID:	F7028-32	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08384.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08422.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	35	ug/kg	
5103-74-2	gamma-Chlordane	ND	35	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	35	ug/kg	
72-55-9	4,4'-DDE	ND	35	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	35	ug/kg	
1031-07-8	Endosulfan sulfate	ND	35	ug/kg	
7421-93-4	Endrin aldehyde	ND	35	ug/kg	
53494-70-5	Endrin ketone	ND	35	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	35	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	350	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	108%	50-144%
2051-24-3	Decachlorobiphenyl	131%	132%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-199		
Lab Sample ID:	F7028-25	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08376.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08414.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	104%	50-144%
2051-24-3	Decachlorobiphenyl	146%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-200		
Lab Sample ID:	F7028-24	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08375.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08413.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%	106%	50-144%
2051-24-3	Decachlorobiphenyl	134%	127%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-201		
Lab Sample ID:	F7028-23	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	78.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08374.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08412.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	21	ug/kg	
319-84-6	alpha-BHC	ND	21	ug/kg	
319-85-7	beta-BHC	ND	21	ug/kg	
319-86-8	delta-BHC	ND	21	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	21	ug/kg	
12789-03-6	Chlordane	ND	210	ug/kg	
5103-71-9	alpha-Chlordane	ND	42	ug/kg	
5103-74-2	gamma-Chlordane	ND	42	ug/kg	
60-57-1	Dieldrin	ND	21	ug/kg	
72-54-8	4,4'-DDD	ND	42	ug/kg	
72-55-9	4,4'-DDE	ND	42	ug/kg	
50-29-3	4,4'-DDT	ND [b]	210	ug/kg	
72-20-8	Endrin	ND	42	ug/kg	
1031-07-8	Endosulfan sulfate	ND	42	ug/kg	
7421-93-4	Endrin aldehyde	ND	42	ug/kg	
53494-70-5	Endrin ketone	ND	42	ug/kg	
959-98-8	Endosulfan-I	ND	21	ug/kg	
33213-65-9	Endosulfan-II	ND	42	ug/kg	
76-44-8	Heptachlor	ND	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	21	ug/kg	
72-43-5	Methoxychlor	ND [b]	430	ug/kg	
8001-35-2	Toxaphene	ND	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	111%	50-144%
2051-24-3	Decachlorobiphenyl	136%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

041

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-202		
Lab Sample ID:	F7028-22	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08373.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08411.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	106%	50-144%
2051-24-3	Decachlorobiphenyl	138%	131%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-203		
Lab Sample ID:	F7028-21	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08372.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08410.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	20	ug/kg	
319-84-6	alpha-BHC	ND	20	ug/kg	
319-85-7	beta-BHC	ND	20	ug/kg	
319-86-8	delta-BHC	ND	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	20	ug/kg	
12789-03-6	Chlordane	ND	200	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	20	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND [b]	200	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	20	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	20	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	103%	50-144%
2051-24-3	Decachlorobiphenyl	135%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-204		
Lab Sample ID:	F7028-20	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08371.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08409.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND [b]	200	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	390	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%	109%	50-144%
2051-24-3	Decachlorobiphenyl	147%	140%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-209		
Lab Sample ID:	F7028-19	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08369.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08407.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	74	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	103%	50-144%
2051-24-3	Decachlorobiphenyl	131%	126%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-211		
Lab Sample ID:	F7028-18	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08368.D	10	07/28/00	SKW	07/19/00	OP1846	GMN328
Run #2 [a]	MN08406.D	50	07/29/00	SKW	07/19/00	OP1846	GMN329

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin [b]	28.2	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [c]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	74	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%	110%	50-144%
2051-24-3	Decachlorobiphenyl	141%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 10, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7071

SAMPLES: 46/Surface Soil

CEF-P51-DUP23	CEF-P51-DUP24
CEF-P51-DUP25	CEF-P51-DUP26
CEF-P51-SS-233	CEF-P51-SS-234
CEF-P51-SS-235	CEF-P51-SS-236
CEF-P51-SS-237	CEF-P51-SS-238
CEF-P51-SS-239	CEF-P51-SS-240
CEF-P51-SS-241	CEF-P51-SS-252
CEF-P51-SS-253	CEF-P51-SS-254
CEF-P51-SS-260	CEF-P51-SS-261
CEF-P51-SS-262	CEF-P51-SS-265
CEF-P51-SS-266	CEF-P51-SS-267
CEF-P51-SS-268	CEF-P51-SS-269
CEF-P51-SS-270	CEF-P51-SS-271
CEF-P51-SS-272	CEF-P51-SS-281
CEF-P51-SS-282	CEF-P51-SS-282
CEF-P51-SS-285	CEF-P51-SS-286
CEF-P51-SS-294	CEF-P51-SS-295
CEF-P51-SS-296	CEF-P51-SS-302
CEF-P51-SS-305	CEF-P51-SS-306
CEF-P51-SS-307	CEF-P51-SS-315
CEF-P51-SS-316	CEF-P51-SS-317
CEF-P51-SS-323	CEF-P51-SS-324
CEF-P51-SS-329	CEF-P51-SS-330

OVERVIEW

The sample set for CTO 078, SDG F7071 Naval Air Station (NAS) Cecil Field; Florida consists of forty-six (46) surface soil environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide organic compounds. Four (4) field duplicate pairs (CEF-P51-SS-241/CEF-P51-DUP23, CEF-P51-SS-254/CEF-P51-DUP24, CEF-P51-SS-281/CEF-P51-DUP25, and CEF-P51-SS-306/CEF-P51-DUP26) were included within this SDG.

The samples were collected by Tetra Tech, NUS on July 16th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits:

Sample	Dilution
CEF-P51-DUP23	4X
CEF-P51-DUP25	10X
CEF-P51-DUP26	10X
CEF-P51-SS-234	4X
CEF-P51-SS-235	4X
CEF-P51-SS-241	4X
CEF-P51-SS-252	5X
CEF-P51-SS-261	10X
CEF-P51-SS-262	5X
CEF-P51-SS-267	4X
CEF-P51-SS-329	5X

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and as a result was providing the Form Xs.

It should be noted that several compounds in several samples were analyzed at a dilution in addition to the original analysis or dilution. The laboratory claimed matrix interference was responsible for the dilutions.

ADDITIONAL COMMENTS

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution thus causing elevated reporting limits in all fractions.

MEMO TO: **MARK SPERANZA**
DATE: **AUGUST 10, 2000 – PAGE 3**

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-DUP19	CEF-P51-DUP20	CEF-P51-DUP21	CEF-P51-SS-103
SAMPLE DATE:	07/15/00	07/15/00	07/16/00	07/15/00
LABORATORY ID:	F7072-17	F7072-18	F7072-34	F7072-1
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	92.0 %	94.0 %	93.4 %	92.2 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:	CEF-P51-SS-103	CEF-P51-SS-164	CEF-P51-SS-231	

PESTICIDES/PCBs	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
4,4'-DDD	3.6	U		3.5	U		3.6	U		36	U	
4,4'-DDE	3.6	U		3.5	U		3.6	U		36	U	
4,4'-DDT	36	U		35	U		72	U		180	U	
ALDRIN	1.8	U		1.8	U		1.8	U		18	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		18	U	
ALPHA-CHLORDANE	3.6	U		3.5	U		3.6	U		36	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		18	U	
CHLORDANE	18	U		18	U		18	U		180	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		18	U	
DIELDRIN	1.8	U		1.8	U		1.8	U		18	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		18	U	
ENDOSULFAN II	3.6	U		3.5	U		3.6	U		36	U	
ENDOSULFAN SULFATE	3.6	U		3.5	U		3.6	U		36	U	
ENDRIN	3.6	U		3.5	U		3.6	U		36	U	
ENDRIN ALDEHYDE	3.6	U		3.5	U		3.6	U		36	U	
ENDRIN KETONE	36	U		35	U		3.6	U		36	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		18	U	
GAMMA-CHLORDANE	3.6	U		3.5	U		3.6	U		36	U	
HEPTACHLOR	18	U		18	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		18	U	
METHOXYCHLOR	72	U		71	U		71	U		72	U	
TOXAPHENE	180	U		180	U		180	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-104			CEF-P51-SS-108			CEF-P51-SS-115			CEF-P51-SS-123		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-2			F7072-4			F7072-3			F7072-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			85.0 %			92.1 %			88.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	36	U		39	U		36	U		38	U	
4,4'-DDE	36	U		39	U		36	U		38	U	
4,4'-DDT	180	U		200	U		180	U		190	U	
ALDRIN	18	U		20	U		18	U		19	U	
ALPHA-BHC	18	U		20	U		18	U		19	U	
ALPHA-CHLORDANE	36	U		39	U		36	U		38	U	
BETA-BHC	18	U		20	U		18	U		19	U	
CHLORDANE	180	U		200	U		180	U		190	U	
DELTA-BHC	18	U		20	U		18	U		19	U	
DIELDRIN	18	U		20	U		18	U		19	U	
ENDOSULFAN I	18	U		20	U		18	U		19	U	
ENDOSULFAN II	36	U		39	U		36	U		38	U	
ENDOSULFAN SULFATE	36	U		39	U		36	U		38	U	
ENDRIN	36	U		39	U		36	U		38	U	
ENDRIN ALDEHYDE	36	U		39	U		36	U		38	U	
ENDRIN KETONE	36	U		39	U		36	U		38	U	
GAMMA-BHC (LINDANE)	18	U		20	U		18	U		19	U	
GAMMA-CHLORDANE	36	U		39	U		36	U		38	U	
HEPTACHLOR	18	U		20	U		18	U		19	U	
HEPTACHLOR EPOXIDE	18	U		20	U		18	U		19	U	
METHOXYCHLOR	72	U		78	U		72	U		75	U	
TOXAPHENE	1800	U		2000	U		1800	U		1900	U	

CTO078-NAS CECIL FIELD
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SAMPLE NUMBER:	CEF-P51-SS-145			CEF-P51-SS-146			CEF-P51-SS-163			CEF-P51-SS-164		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-6			F7072-7			F7072-13			F7072-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.0 %			91.2 %			80.8 %			94.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	38	U		36	U		41	U		35	U	
4,4'-DDE	38	U		36	U		41	U		35	U	
4,4'-DDT	190	U		180	U		210	U		180	U	
ALDRIN	19	U		18	U		21	U		18	U	
ALPHA-BHC	19	U		18	U		21	U		18	U	
ALPHA-CHLORDANE	38	U		36	U		41	U		35	U	
BETA-BHC	19	U		18	U		21	U		18	U	
CHLORDANE	190	U		180	U		210	U		180	U	
DELTA-BHC	19	U		18	U		21	U		18	U	
DIELDRIN	19	U		18	U		21	U		18	U	
ENDOSULFAN I	19	U		18	U		21	U		18	U	
ENDOSULFAN II	38	U		36	U		41	U		35	U	
ENDOSULFAN SULFATE	38	U		36	U		41	U		35	U	
ENDRIN	38	U		36	U		41	U		35	U	
ENDRIN ALDEHYDE	38	U		36	U		41	U		35	U	
ENDRIN KETONE	38	U		36	U		41	U		35	U	
GAMMA-BHC (LINDANE)	19	U		18	U		21	U		18	U	
GAMMA-CHLORDANE	38	U		36	U		41	U		35	U	
HEPTACHLOR	19	U		18	U		21	U		18	U	
HEPTACHLOR EPOXIDE	19	U		18	U		21	U		18	U	
METHOXYCHLOR	380	U		370	U		410	U		350	U	
TOXAPHENE	1900	U		1800	U		2100	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
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SAMPLE NUMBER:	CEF-P51-SS-165			CEF-P51-SS-166			CEF-P51-SS-167			CEF-P51-SS-186		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-11			F7072-10			F7072-8			F7072-15		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.1 %			91.9 %			89.1 %			95.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	37	U		36	U		37	U		3.5	U	
4,4'-DDE	37	U		36	U		37	U		3.5	U	
4,4'-DDT	180	U		180	U		190	U		35	U	
ALDRIN	18	U		18	U		19	U		1.8	U	
ALPHA-BHC	18	U		18	U		19	U		1.8	U	
ALPHA-CHLORDANE	37	U		36	U		37	U		3.5	U	
BETA-BHC	18	U		18	U		19	U		1.8	U	
CHLORDANE	180	U		180	U		190	U		18	U	
DELTA-BHC	18	U		18	U		19	U		1.8	U	
DIELDRIN	18	U		18	U		19	U		1.8	U	
ENDOSULFAN I	18	U		18	U		19	U		1.8	U	
ENDOSULFAN II	37	U		36	U		37	U		3.5	U	
ENDOSULFAN SULFATE	37	U		36	U		37	U		3.5	U	
ENDRIN	37	U		36	U		37	U		3.5	U	
ENDRIN ALDEHYDE	37	U		36	U		37	U		3.5	U	
ENDRIN KETONE	37	U		36	U		37	U		35	U	
GAMMA-BHC (LINDANE)	18	U		18	U		19	U		1.8	U	
GAMMA-CHLORDANE	37	U		36	U		37	U		3.5	U	
HEPTACHLOR	18	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	18	U		18	U		19	U		1.8	U	
METHOXYCHLOR	370	U		360	U		370	U		70	U	
TOXAPHENE	1800	U		1800	U		1900	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
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SAMPLE NUMBER:	CEF-P51-SS-187	CEF-P51-SS-188	CEF-P51-SS-205	CEF-P51-SS-226
SAMPLE DATE:	07/15/00	07/15/00	07/15/00	07/16/00
LABORATORY ID:	F7072-16	F7072-14	F7072-9	F7072-19
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	93.2 %	90.2 %	90.9 %	90.9 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

PESTICIDES/PCBs	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
4,4'-DDD	3.6	U		37	U		37	U		15	U	
4,4'-DDE	3.6	U		37	U		37	U		15	U	
4,4'-DDT	36	U		180	U		180	U		36	U	
ALDRIN	1.8	U		18	U		18	U		7.4	U	
ALPHA-BHC	1.8	U		18	U		18	U		7.4	U	
ALPHA-CHLORDANE	3.6	U		37	U		37	U		15	U	
BETA-BHC	1.8	U		18	U		18	U		7.4	U	
CHLORDANE	18	U		180	U		180	U		74	U	
DELTA-BHC	1.8	U		18	U		18	U		7.4	U	
DIELDRIN	1.8	U		18	U		18	U		66.3		
ENDOSULFAN I	1.8	U		18	U		18	U		7.4	U	
ENDOSULFAN II	3.6	U		37	U		37	U		15	U	
ENDOSULFAN SULFATE	3.6	U		37	U		37	U		15	U	
ENDRIN	3.6	U		37	U		37	U		15	U	
ENDRIN ALDEHYDE	3.6	U		37	U		37	U		15	U	
ENDRIN KETONE	36	U		37	U		37	U		36	U	
GAMMA-BHC (LINDANE)	1.8	U		18	U		18	U		7.4	U	
GAMMA-CHLORDANE	3.6	U		37	U		37	U		15	U	
HEPTACHLOR	18	U		18	U		18	U		7.4	U	
HEPTACHLOR EPOXIDE	1.8	U		18	U		18	U		7.4	U	
METHOXYCHLOR	71	U		370	U		370	U		72	U	
TOXAPHENE	180	U		1800	U		1800	U		740	U	

CTO078-NAS CECIL FIELD
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SAMPLE NUMBER:	CEF-P51-SS-227			CEF-P51-SS-228			CEF-P51-SS-229			CEF-P51-SS-230		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-20			F7072-21			F7072-22			F7072-23		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.7 %			88.2 %			88.7 %			91.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	3.8	U		38	U		3.8	U		3.7	U	
4,4'-DDE	3.8	U		38	U		3.8	U		3.7	U	
4,4'-DDT	38	U		38	U		38	U		37	U	
ALDRIN	1.9	U		19	U		1.9	U		1.8	U	
ALPHA-BHC	1.9	U		19	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	1.8	J	P	112			3.8	U		3.7	U	
BETA-BHC	1.9	U		19	U		1.9	U		1.8	U	
CHLORDANE	78.3	J	P	874	J	P	19	U		18	U	
DELTA-BHC	1.9	U		19	U		1.9	U		1.8	U	
DIELDRIN	7.6			42.8			2.0			1.8	U	
ENDOSULFAN I	1.9	U		19	U		1.9	U		1.8	U	
ENDOSULFAN II	3.8	U		38	U		3.8	U		3.7	U	
ENDOSULFAN SULFATE	3.8	U		38	U		3.8	U		3.7	U	
ENDRIN	3.8	U		38	U		3.8	U		3.7	U	
ENDRIN ALDEHYDE	3.8	U		38	U		3.8	U		3.7	U	
ENDRIN KETONE	3.8	U		38	U		3.8	U		3.7	U	
GAMMA-BHC (LINDANE)	1.9	U		19	U		1.9	U		1.8	U	
GAMMA-CHLORDANE	1.1	J	P	51.8			3.8	U		3.7	U	
HEPTACHLOR	1.9	U		19	U		1.9	U		18	U	
HEPTACHLOR EPOXIDE	1.9	U		9.3	J	P	1.9	U		1.8	U	
METHOXYCHLOR	76	U		76	U		75	U		73	U	
TOXAPHENE	190	U		1900	U		190	U		180	U	

CTO078-NAS CECIL FIELD
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SAMPLE NUMBER:	CEF-P51-SS-231			CEF-P51-SS-242			CEF-P51-SS-243			CEF-P51-SS-244		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-24			F7072-33			F7072-32			F7072-31		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.8 %			89.0 %			83.8 %			85.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	3.6	U		3.7	U		40	U		39	U	
4,4'-DDE	3.6	U		3.7	U		40	U		8.0	J	P
4,4'-DDT	36	U		74	U		80	U		21.1	J	P
ALDRIN	1.8	U		1.9	U		20	U		20	U	
ALPHA-BHC	1.8	U		1.9	U		20	U		20	U	
ALPHA-CHLORDANE	3.6	U		3.7	U		226			26.8	J	P
BETA-BHC	1.8	U		1.9	U		20	U		20	U	
CHLORDANE	18	U		19	U		2340	J	P	417	J	P
DELTA-BHC	1.8	U		1.9	U		20	U		20	U	
DIELDRIN	1.8	U		1.9	U		71.5			93.6		
ENDOSULFAN I	1.8	U		1.9	U		20	U		20	U	
ENDOSULFAN II	3.6	U		3.7	U		40	U		39	U	
ENDOSULFAN SULFATE	3.6	U		3.7	U		40	U		39	U	
ENDRIN	3.6	U		3.7	U		40	U		39	U	
ENDRIN ALDEHYDE	3.6	U		3.7	U		40	U		39	U	
ENDRIN KETONE	3.6	U		3.7	U		40	U		39	U	
GAMMA-BHC (LINDANE)	1.8	U		1.9	U		20	U		20	U	
GAMMA-CHLORDANE	3.6	U		3.7	U		92.4			21.4	J	P
HEPTACHLOR	18	U		19	U		20	U		20	U	
HEPTACHLOR EPOXIDE	1.8	U		1.9	U		20	U		20	U	
METHOXYCHLOR	71	U		75	U		79	U		78	U	
TOXAPHENE	180	U		190	U		2000	U		2000	U	

CTO078-NAS CECIL FIELD
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SAMPLE NUMBER:	CEF-P51-SS-246			CEF-P51-SS-247			CEF-P51-SS-248			CEF-P51-SS-249		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-30			F7072-29			F7072-28			F7072-27		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.9 %			90.3 %			90.0 %			92.5 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	3.7	U		7.4	U		3.7	U		14	U	
4,4'-DDE	3.7	U		7.4	U		0.82	J	P	14	U	
4,4'-DDT	74	U		74	U		74	U		72	U	
ALDRIN	1.8	U		3.7	U		1.8	U		7.2	U	
ALPHA-BHC	1.8	U		3.7	U		1.8	U		7.2	U	
ALPHA-CHLORDANE	3.7	U		25.4			1.2	J	P	14	U	
BETA-BHC	1.8	U		3.7	U		1.8	U		7.2	U	
CHLORDANE	18	U		180	U		42.2	J	P	72	U	
DELTA-BHC	1.8	U		3.7	U		1.8	U		7.2	U	
DIELDRIN	2.7			35.6			5.9			61.5		
ENDOSULFAN I	1.8	U		3.7	U		1.8	U		7.2	U	
ENDOSULFAN II	3.7	U		7.4	U		3.7	U		14	U	
ENDOSULFAN SULFATE	3.7	U		7.4	U		3.7	U		14	U	
ENDRIN	3.7	U		7.4	U		3.7	U		14	U	
ENDRIN ALDEHYDE	3.7	U		7.4	U		3.7	U		14	U	
ENDRIN KETONE	3.7	U		7.4	U		3.7	U		14	U	
GAMMA-BHC (LINDANE)	1.8	U		3.7	U		1.8	U		7.2	U	
GAMMA-CHLORDANE	3.7	U		5.6	J	P	3.7	U		14	U	
HEPTACHLOR	18	U		3.7	U		18	U		7.2	U	
HEPTACHLOR EPOXIDE	1.8	U		3.7	U		1.8	U		7.2	U	
METHOXYCHLOR	74	U		74	U		74	U		72	U	
TOXAPHENE	180	U		370	U		180	U		720	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
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SAMPLE NUMBER:	CEF-P51-SS-250			CEF-P51-SS-251								
SAMPLE DATE:	07/16/00			07/16/00			/ /			/ /		
LABORATORY ID:	F7072-26			F7072-25								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	89.6 %			92.4 %			100.0 %			100.0 %		
UNITS:	UG/KG			UG/KG								
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	3.7	U		3.6	U							
4,4'-DDE	3.7	U		1.8	J	P						
4,4'-DDT	37	U		36	U							
ALDRIN	1.9	U		1.8	U							
ALPHA-BHC	1.9	U		1.8	U							
ALPHA-CHLORDANE	1.6	J	P	4.8								
BETA-BHC	1.9	U		1.8	U							
CHLORDANE	19	U		87.5	J	P						
DELTA-BHC	1.9	U		1.8	U							
DIELDRIN	24.5			1.4	J	P						
ENDOSULFAN I	1.9	U		1.8	U							
ENDOSULFAN II	3.7	U		3.6	U							
ENDOSULFAN SULFATE	3.7	U		3.6	U							
ENDRIN	3.7	U		3.6	U							
ENDRIN ALDEHYDE	3.7	U		3.6	U							
ENDRIN KETONE	3.7	U		3.6	U							
GAMMA-BHC (LINDANE)	1.9	U		1.8	U							
GAMMA-CHLORDANE	3.7	U		4.5								
HEPTACHLOR	1.9	U		1.8	U							
HEPTACHLOR EPOXIDE	1.9	U		1.8	U							
METHOXYCHLOR	74	U		72	U							
TOXAPHENE	190	U		180	U							

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP19		
Lab Sample ID:	F7072-17	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06589.D	1	08/02/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06527.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	85%	50-144%
2051-24-3	Decachlorobiphenyl	86%	113%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP20		
Lab Sample ID:	F7072-18	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06590.D	1	08/02/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06528.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	35	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	98%	50-144%
2051-24-3	Decachlorobiphenyl	101%	153%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP21		
Lab Sample ID:	F7072-34	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06626.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [a]	ST06564.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT [b]	ND [c]	72	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	87%	50-144%
2051-24-3	Decachlorobiphenyl	107%	141%	10-180%

(a) Dilution required due to matrix interference.
(b) Elevated reporting limits due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-103		
Lab Sample ID:	F7072-1	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08583.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08544.D	50	07/31/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	96%	50-144%
2051-24-3	Decachlorobiphenyl	146%	130%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-104		
Lab Sample ID:	F7072-2	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08584.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08545.D	50	07/31/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%	101%	50-144%
2051-24-3	Decachlorobiphenyl	159%	93%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-108		
Lab Sample ID:	F7072-4	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08586.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08547.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	20	ug/kg	
319-84-6	alpha-BHC	ND	20	ug/kg	
319-85-7	beta-BHC	ND	20	ug/kg	
319-86-8	delta-BHC	ND	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	20	ug/kg	
12789-03-6	Chlordane	ND	200	ug/kg	
5103-71-9	alpha-Chlordane	ND	39	ug/kg	
5103-74-2	gamma-Chlordane	ND	39	ug/kg	
60-57-1	Dieldrin	ND	20	ug/kg	
72-54-8	4,4'-DDD	ND	39	ug/kg	
72-55-9	4,4'-DDE	ND	39	ug/kg	
50-29-3	4,4'-DDT	ND [b]	200	ug/kg	
72-20-8	Endrin	ND	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND	39	ug/kg	
7421-93-4	Endrin aldehyde	ND	39	ug/kg	
53494-70-5	Endrin ketone	ND	39	ug/kg	
959-98-8	Endosulfan-I	ND	20	ug/kg	
33213-65-9	Endosulfan-II	ND	39	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	20	ug/kg	
72-43-5	Methoxychlor	ND	78	ug/kg	
8001-35-2	Toxaphene	ND	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	102%	50-144%
2051-24-3	Decachlorobiphenyl	144%	151%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-115		
Lab Sample ID:	F7072-3	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08585.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08546.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	94%	50-144%
2051-24-3	Decachlorobiphenyl	153%	135%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-123		
Lab Sample ID:	F7072-5	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08587.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08548.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	75	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	104%	50-144%
2051-24-3	Decachlorobiphenyl	145%	147%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-145		
Lab Sample ID:	F7072-6	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08589.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08550.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	380	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	97%	50-144%
2051-24-3	Decachlorobiphenyl	164%	143%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-146		
Lab Sample ID:	F7072-7	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08590.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08551.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	92%	50-144%
2051-24-3	Decachlorobiphenyl	140%	134%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-163		
Lab Sample ID:	F7072-13	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	80.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08596.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08557.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	21	ug/kg	
319-84-6	alpha-BHC	ND	21	ug/kg	
319-85-7	beta-BHC	ND	21	ug/kg	
319-86-8	delta-BHC	ND	21	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	21	ug/kg	
12789-03-6	Chlordane	ND	210	ug/kg	
5103-71-9	alpha-Chlordane	ND	41	ug/kg	
5103-74-2	gamma-Chlordane	ND	41	ug/kg	
60-57-1	Dieldrin	ND	21	ug/kg	
72-54-8	4,4'-DDD	ND	41	ug/kg	
72-55-9	4,4'-DDE	ND	41	ug/kg	
50-29-3	4,4'-DDT	ND [b]	210	ug/kg	
72-20-8	Endrin	ND	41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	41	ug/kg	
7421-93-4	Endrin aldehyde	ND	41	ug/kg	
53494-70-5	Endrin ketone	ND	41	ug/kg	
959-98-8	Endosulfan-I	ND	21	ug/kg	
33213-65-9	Endosulfan-II	ND	41	ug/kg	
76-44-8	Heptachlor	ND	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	21	ug/kg	
72-43-5	Methoxychlor	ND [b]	410	ug/kg	
8001-35-2	Toxaphene	ND	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%	96%	50-144%
2051-24-3	Decachlorobiphenyl	131%	114%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-164		
Lab Sample ID:	F7072-12	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08595.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08556.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	35	ug/kg	
5103-74-2	gamma-Chlordane	ND	35	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	35	ug/kg	
72-55-9	4,4'-DDE	ND	35	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	35	ug/kg	
1031-07-8	Endosulfan sulfate	ND	35	ug/kg	
7421-93-4	Endrin aldehyde	ND	35	ug/kg	
53494-70-5	Endrin ketone	ND	35	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	35	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	350	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	100%	50-144%
2051-24-3	Decachlorobiphenyl	150%	100%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-165		
Lab Sample ID:	F7072-11	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08594.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08555.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	108%	50-144%
2051-24-3	Decachlorobiphenyl	132%	130%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-166		
Lab Sample ID:	F7072-10	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08593.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08554.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	360	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	104%	50-144%
2051-24-3	Decachlorobiphenyl	135%	135%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-167		
Lab Sample ID:	F7072-8	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08591.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08552.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	19	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	190	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	96%	50-144%
2051-24-3	Decachlorobiphenyl	141%	124%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-186		
Lab Sample ID:	F7072-15	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06587.D	1	08/02/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06525.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	35	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	100%	50-144%
2051-24-3	Decachlorobiphenyl	101%	113%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-187		
Lab Sample ID:	F7072-16	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06588.D	1	08/02/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06526.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	97%	50-144%
2051-24-3	Decachlorobiphenyl	96%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-188		
Lab Sample ID:	F7072-14	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08597.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08558.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	104%	50-144%
2051-24-3	Decachlorobiphenyl	136%	144%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-205		
Lab Sample ID:	F7072-9	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08592.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08553.D	50	08/01/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND [b]	370	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	103%	50-144%
2051-24-3	Decachlorobiphenyl	139%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-226		
Lab Sample ID:	F7072-19	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06591.D	4	08/02/00	SKW	07/27/00	OP1875	GST236
Run #2 [b]	ST06529.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	7.4	ug/kg	
319-85-7	beta-BHC	ND	7.4	ug/kg	
319-86-8	delta-BHC	ND	7.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.4	ug/kg	
12789-03-6	Chlordane	ND	74	ug/kg	
5103-71-9	alpha-Chlordane	ND	15	ug/kg	
5103-74-2	gamma-Chlordane	ND	15	ug/kg	
60-57-1	Dieldrin	66.3	7.4	ug/kg	
72-54-8	4,4'-DDD	ND	15	ug/kg	
72-55-9	4,4'-DDE	ND	15	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	15	ug/kg	
1031-07-8	Endosulfan sulfate	ND	15	ug/kg	
7421-93-4	Endrin aldehyde	ND	15	ug/kg	
53494-70-5	Endrin ketone	ND [c]	36	ug/kg	
959-98-8	Endosulfan-I	ND	7.4	ug/kg	
33213-65-9	Endosulfan-II	ND	15	ug/kg	
76-44-8	Heptachlor	ND	7.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.4	ug/kg	
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	740	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	95%	50-144%
2051-24-3	Decachlorobiphenyl	94%	111%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-227		
Lab Sample ID:	F7072-20	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06610.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06533.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane [c]	78.3	19	ug/kg	J
5103-71-9	alpha-Chlordane	1.8	3.8	ug/kg	J
5103-74-2	gamma-Chlordane	1.1	3.8	ug/kg	J
60-57-1	Dieldrin	7.6	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [d]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [d]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	91%	50-144%
2051-24-3	Decachlorobiphenyl	111%	117%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-228		
Lab Sample ID:	F7072-21	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06534.D	10	08/01/00	SKW	07/27/00	OP1875	GST234
Run #2 [b]	ST06615.D	10	08/03/00	SKW	07/27/00	OP1875	GST237

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND [c]	19	ug/kg	
319-84-6	alpha-BHC	ND [c]	19	ug/kg	
319-85-7	beta-BHC	ND [c]	19	ug/kg	
319-86-8	delta-BHC	ND [c]	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [c]	19	ug/kg	
12789-03-6	Chlordane [d]	874 [c]	190	ug/kg	J
5103-71-9	alpha-Chlordane	112 [c]	38	ug/kg	
5103-74-2	gamma-Chlordane	51.8 [c]	38	ug/kg	
60-57-1	Dieldrin	42.8 [c]	19	ug/kg	
72-54-8	4,4'-DDD	ND [c]	38	ug/kg	
72-55-9	4,4'-DDE	ND [c]	38	ug/kg	
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND [c]	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND [c]	38	ug/kg	
7421-93-4	Endrin aldehyde	ND [c]	38	ug/kg	
53494-70-5	Endrin ketone	ND [c]	38	ug/kg	
959-98-8	Endosulfan-I	ND [c]	19	ug/kg	
33213-65-9	Endosulfan-II	ND [c]	38	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	9.3 [c]	19	ug/kg	J
72-43-5	Methoxychlor	ND	76	ug/kg	
8001-35-2	Toxaphene	ND [c]	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	116%	50-144%
2051-24-3	Decachlorobiphenyl	122%	144%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2
(d) Estimated value due to the presence of multiple interfering peaks.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-229		
Lab Sample ID:	F7072-22	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06612.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06535.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	2.0	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	94%	50-144%
2051-24-3	Decachlorobiphenyl	114%	119%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-230		
Lab Sample ID:	F7072-23	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06597.D	1	08/03/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06536.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	101%	50-144%
2051-24-3	Decachlorobiphenyl	93%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-231		
Lab Sample ID:	F7072-24	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06598.D	1	08/03/00	SKW	07/27/00	OP1875	GST236
Run #2 [a]	ST06537.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	98%	50-144%
2051-24-3	Decachlorobiphenyl	121%	158%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-242		
Lab Sample ID:	F7072-33	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06625.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [a]	ST06563.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT [b]	ND [c]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%	77%	50-144%
2051-24-3	Decachlorobiphenyl	93%	119%	10-180%

(a) Dilution required due to matrix interference.
(b) Elevated reporting limits due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-243		
Lab Sample ID:	F7072-32	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06562.D	10	08/01/00	SKW	07/27/00	OP1875	GST235
Run #2 [b]	ST06617.D	10	08/03/00	SKW	07/27/00	OP1875	GST237

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND [c]	20	ug/kg	
319-84-6	alpha-BHC	ND [c]	20	ug/kg	
319-85-7	beta-BHC	ND [c]	20	ug/kg	
319-86-8	delta-BHC	ND [c]	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [c]	20	ug/kg	
12789-03-6	Chlordane [d]	2340 [c]	200	ug/kg	J
5103-71-9	alpha-Chlordane	226 [c]	40	ug/kg	
5103-74-2	gamma-Chlordane	92.4 [c]	40	ug/kg	
60-57-1	Dieldrin	71.5 [c]	20	ug/kg	
72-54-8	4,4'-DDD	ND [c]	40	ug/kg	
72-55-9	4,4'-DDE	ND [c]	40	ug/kg	
50-29-3	4,4'-DDT [e]	ND	80	ug/kg	
72-20-8	Endrin	ND [c]	40	ug/kg	
1031-07-8	Endosulfan sulfate	ND [c]	40	ug/kg	
7421-93-4	Endrin aldehyde	ND [c]	40	ug/kg	
53494-70-5	Endrin ketone	ND [c]	40	ug/kg	
959-98-8	Endosulfan-I	ND [c]	20	ug/kg	
33213-65-9	Endosulfan-II	ND [c]	40	ug/kg	
76-44-8	Heptachlor	ND [c]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND [c]	20	ug/kg	
72-43-5	Methoxychlor	ND	79	ug/kg	
8001-35-2	Toxaphene	ND [c]	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	100%	50-144%
2051-24-3	Decachlorobiphenyl	122%	131%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2
(d) Estimated value due to the presence of multiple interfering peaks.
(e) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-244		
Lab Sample ID:	F7072-31	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06561.D	10	08/01/00	SKW	07/27/00	OP1875	GST235
Run #2 [b]	ST06622.D	10	08/03/00	SKW	07/27/00	OP1875	GST237

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND [c]	20	ug/kg	
319-84-6	alpha-BHC	ND [c]	20	ug/kg	
319-85-7	beta-BHC	ND [c]	20	ug/kg	
319-86-8	delta-BHC	ND [c]	20	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [c]	20	ug/kg	
12789-03-6	Chlordane [d]	417 [c]	200	ug/kg	J
5103-71-9	alpha-Chlordane	26.8 [c]	39	ug/kg	J
5103-74-2	gamma-Chlordane	21.4 [c]	39	ug/kg	J
60-57-1	Dieldrin	93.6 [c]	20	ug/kg	
72-54-8	4,4'-DDD	ND [c]	39	ug/kg	
72-55-9	4,4'-DDE	8.0 [c]	39	ug/kg	J
50-29-3	4,4'-DDT [e]	21.1	78	ug/kg	J
72-20-8	Endrin	ND [c]	39	ug/kg	
1031-07-8	Endosulfan sulfate	ND [c]	39	ug/kg	
7421-93-4	Endrin aldehyde	ND [c]	39	ug/kg	
53494-70-5	Endrin ketone	ND [c]	39	ug/kg	
959-98-8	Endosulfan-I	ND [c]	20	ug/kg	
33213-65-9	Endosulfan-II	ND [c]	39	ug/kg	
76-44-8	Heptachlor	ND	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND [c]	20	ug/kg	
72-43-5	Methoxychlor	ND	78	ug/kg	
8001-35-2	Toxaphene	ND [c]	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	109%	50-144%
2051-24-3	Decachlorobiphenyl	155%	157%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2
(d) Estimated value due to the presence of multiple interfering peaks.
(e) CCV outside of control limits results biased low. Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-246		
Lab Sample ID:	F7072-30	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06624.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06560.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	2.7	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT [c]	ND [d]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [d]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [d]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	91%	50-144%
2051-24-3	Decachlorobiphenyl	111%	117%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Elevated reporting limits due to matrix interference.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-247		
Lab Sample ID:	F7072-29	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06619.D	2	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06559.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	3.7	ug/kg	
319-84-6	alpha-BHC	ND	3.7	ug/kg	
319-85-7	beta-BHC	ND	3.7	ug/kg	
319-86-8	delta-BHC	ND	3.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.7	ug/kg	
12789-03-6	Chlordane	ND [c]	180	ug/kg	
5103-71-9	alpha-Chlordane	25.4	7.4	ug/kg	
5103-74-2	gamma-Chlordane	5.6	7.4	ug/kg	J
60-57-1	Dieldrin	35.6	3.7	ug/kg	
72-54-8	4,4'-DDD	ND	7.4	ug/kg	
72-55-9	4,4'-DDE	ND	7.4	ug/kg	
50-29-3	4,4'-DDT [d]	ND [c]	74	ug/kg	
72-20-8	Endrin	ND	7.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	7.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	7.4	ug/kg	
53494-70-5	Endrin ketone	ND	7.4	ug/kg	
959-98-8	Endosulfan-I	ND	3.7	ug/kg	
33213-65-9	Endosulfan-II	ND	7.4	ug/kg	
76-44-8	Heptachlor	ND	3.7	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.7	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	370	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	92%	50-144%
2051-24-3	Decachlorobiphenyl	105%	110%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-248		
Lab Sample ID:	F7072-28	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06623.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06558.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	42.2	18	ug/kg	J
5103-71-9	alpha-Chlordane	1.2	3.7	ug/kg	J
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	5.9	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	0.82	3.7	ug/kg	J
50-29-3	4,4'-DDT [d]	ND [e]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [e]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [e]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	88%	50-144%
2051-24-3	Decachlorobiphenyl	114%	112%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Elevated reporting limits due to matrix interference.
(e) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-249		
Lab Sample ID:	F7072-27	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06618.D	4	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06557.D	10	08/01/00	SKW	07/27/00	OP1875	GST235

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.2	ug/kg	
319-84-6	alpha-BHC	ND	7.2	ug/kg	
319-85-7	beta-BHC	ND	7.2	ug/kg	
319-86-8	delta-BHC	ND	7.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.2	ug/kg	
12789-03-6	Chlordane	ND	72	ug/kg	
5103-71-9	alpha-Chlordane	ND	14	ug/kg	
5103-74-2	gamma-Chlordane	ND	14	ug/kg	
60-57-1	Dieldrin	61.5	7.2	ug/kg	
72-54-8	4,4'-DDD	ND	14	ug/kg	
72-55-9	4,4'-DDE	ND	14	ug/kg	
50-29-3	4,4'-DDT [c]	ND [d]	72	ug/kg	
72-20-8	Endrin	ND	14	ug/kg	
1031-07-8	Endosulfan sulfate	ND	14	ug/kg	
7421-93-4	Endrin aldehyde	ND	14	ug/kg	
53494-70-5	Endrin ketone	ND	14	ug/kg	
959-98-8	Endosulfan-I	ND	7.2	ug/kg	
33213-65-9	Endosulfan-II	ND	14	ug/kg	
76-44-8	Heptachlor	ND	7.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.2	ug/kg	
72-43-5	Methoxychlor	ND [d]	72	ug/kg	
8001-35-2	Toxaphene	ND	720	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	85%	50-144%
2051-24-3	Decachlorobiphenyl	114%	106%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Elevated reporting limits due to matrix interference.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-250		
Lab Sample ID:	F7072-26	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06539.D	10	08/01/00	SKW	07/27/00	OP1875	GST234
Run #2 [b]	ST06616.D	10	08/03/00	SKW	07/27/00	OP1875	GST237

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND [c]	1.9	ug/kg	
319-84-6	alpha-BHC	ND [c]	1.9	ug/kg	
319-85-7	beta-BHC	ND [c]	1.9	ug/kg	
319-86-8	delta-BHC	ND [c]	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [c]	1.9	ug/kg	
12789-03-6	Chlordane	ND [c]	19	ug/kg	
5103-71-9	alpha-Chlordane	1.6 [c]	3.7	ug/kg	J
5103-74-2	gamma-Chlordane	ND [c]	3.7	ug/kg	
60-57-1	Dieldrin	24.5 [c]	1.9	ug/kg	
72-54-8	4,4'-DDD	ND [c]	3.7	ug/kg	
72-55-9	4,4'-DDE	ND [c]	3.7	ug/kg	
50-29-3	4,4'-DDT	ND	37	ug/kg	
72-20-8	Endrin	ND [c]	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND [c]	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND [c]	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	3.7	ug/kg	
959-98-8	Endosulfan-I	ND [c]	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND [c]	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND [c]	1.9	ug/kg	
72-43-5	Methoxychlor	ND	74	ug/kg	
8001-35-2	Toxaphene	ND [c]	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	107%	50-144%
2051-24-3	Decachlorobiphenyl	123%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-251		
Lab Sample ID:	F7072-25	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06613.D	1	08/03/00	SKW	07/27/00	OP1875	GST237
Run #2 [b]	ST06538.D	10	08/01/00	SKW	07/27/00	OP1875	GST234

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	87.5	18	ug/kg	J
5103-71-9	alpha-Chlordane	4.8	3.6	ug/kg	
5103-74-2	gamma-Chlordane	4.5	3.6	ug/kg	
60-57-1	Dieldrin	1.4	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	1.8	3.6	ug/kg	J
50-29-3	4,4'-DDT	ND [d]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [d]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	95%	50-144%
2051-24-3	Decachlorobiphenyl	109%	121%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 10, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7072

SAMPLES: 34/Surface Soil

CEF-P51-DUP19	CEF-P51-DUP20
CEF-P51-DUP21	CEF-P51-SS-103
CEF-P51-SS-104	CEF-P51-SS-108
CEF-P51-SS-115	CEF-P51-SS-123
CEF-P51-SS-145	CEF-P51-SS-146
CEF-P51-SS-164	CEF-P51-SS-165
CEF-P51-SS-167	CEF-P51-SS-186
CEF-P51-SS-187	CEF-P51-SS-188
CEF-P51-SS-205	CEF-P51-SS-226
CEF-P51-SS-227	CEF-P51-SS-228
CEF-P51-SS-229	CEF-P51-SS-230
CEF-P51-SS-231	CEF-P51-SS-242
CEF-P51-SS-243	CEF-P51-SS-244
CEF-P51-SS-246	CEF-P51-SS-247
CEF-P51-SS-248	CEF-P51-SS-249
CEF-P51-SS-250	CEF-P51-SS-251
CEF-P51-SS-163	CEF-P51-SS-166

OVERVIEW

The sample set for CTO 078, SDG F7072 Naval Air Station (NAS) Cecil Field; Florida consists of thirty-four (34) surface soil environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide organic compounds. Three (3) field duplicate pairs (CEF-P51-SS-103/CEF-P51-DUP19, CEF-P51-SS-164/CEF-P51-DUP20, and CEF-P51-SS231/CEF-P51-DUP21) were included within this SDG.

The samples were collected by Tetra Tech, NUS on July 15th and 16th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits:

Sample	Dilution
CEF-P51-SS-103	10X
CEF-P51-SS-104	10X
CEF-P51-SS-108	10X
CEF-P51-SS-115	10X
CEF-P51-SS-123	10X
CEF-P51-SS-145	10X
CEF-P51-SS-146	10X
CEF-P51-SS-163	10X
CEF-P51-SS-164	10X
CEF-P51-SS-165	10X
CEF-P51-SS-166	10X
CEF-P51-SS-167	10X
CEF-P51-SS-188	10X
CEF-P51-SS-205	10X
CEF-P51-SS-226	4X
CEF-P51-SS-228	10X
CEF-P51-SS-243	10X
CEF-P51-SS-244	10X
CEF-P51-SS-247	2X
CEF-P51-SS-249	4X
CEF-P51-SS-250	10X

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and as a result was providing the Form Xs.

It should be noted that several compounds in several samples were analyzed at a dilution in addition to the original analysis or dilution. The laboratory claimed matrix interference was responsible for the dilutions.

ADDITIONAL COMMENTS

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

It should be noted that sample CEF-P51-DUP22 was missing from the data package.

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution thus causing elevated reporting limits in all fractions.

MEMO TO: MARK SPERANZA
DATE: AUGUST 10, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-DUP23			CEF-P51-DUP24			CEF-P51-DUP25			CEF-P51-DUP26		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-12			F7071-44			F7071-45			F7071-46		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.6 %			95.3 %			96.8 %			90.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-241			CEF-P51-SS-254			CEF-P51-SS-281			CEF-P51-SS-306		
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	16	U		3.5	U		34	U		37	U	
4,4'-DDE	16	U		3.5	U		34	U		37	U	
4,4'-DDT	39	U		35	U		170	U		180	U	
ALDRIN	7.8	U		1.7	U		17	U		18	U	
ALPHA-BHC	7.8	U		1.7	U		17	U		18	U	
ALPHA-CHLORDANE	16	U		3.5	U		34	U		37	U	
BETA-BHC	7.8	U		1.7	U		17	U		18	U	
CHLORDANE	78	U		17	U		170	U		180	U	
DELTA-BHC	7.8	U		1.7	U		17	U		18	U	
DIELDRIN	3.5	J	P	1.7	U		9.7	J	P	18	U	
ENDOSULFAN I	7.8	U		1.7	U		17	U		18	U	
ENDOSULFAN II	16	U		3.5	U		34	U		37	U	
ENDOSULFAN SULFATE	16	U		3.5	U		34	U		37	U	
ENDRIN	16	U		3.5	U		34	U		37	U	
ENDRIN ALDEHYDE	16	U		3.5	U		34	U		37	U	
ENDRIN KETONE	16	U		3.5	U		34	U		37	U	
GAMMA-BHC (LINDANE)	7.8	U		1.7	U		17	U		18	U	
GAMMA-CHLORDANE	16	U		3.5	U		34	U		37	U	
HEPTACHLOR	20	U		17	U		17	U		18	U	
HEPTACHLOR EPOXIDE	7.8	U		1.7	U		17	U		18	U	
METHOXYCHLOR	79	U		70	U		69	U		73	U	
TOXAPHENE	780	U		170	U		1700	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-233			CEF-P51-SS-234			CEF-P51-SS-235			CEF-P51-SS-236		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-1			F7071-2			F7071-3			F7071-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	78.1 %			77.1 %			84.4 %			88.4 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.3	U		17	U		16	U		3.8	U	
4,4'-DDE	4.3	U		17	U		16	U		3.8	U	
4,4'-DDT	43	U		43	U		40	U		38	U	
ALDRIN	2.1	U		8.6	U		7.9	U		1.9	U	
ALPHA-BHC	2.1	U		8.6	U		7.9	U		1.9	U	
ALPHA-CHLORDANE	4.3	U		17	U		16	U		3.8	U	
BETA-BHC	2.1	U		8.6	U		7.9	U		1.9	U	
CHLORDANE	21	U		86	U		79	U		19	U	
DELTA-BHC	2.1	U		8.6	U		7.9	U		1.9	U	
DIELDRIN	30.8			8.6	U		7.9	U		1.9	U	
ENDOSULFAN I	2.1	U		8.6	U		7.9	U		1.9	U	
ENDOSULFAN II	4.3	U		17	U		16	U		3.8	U	
ENDOSULFAN SULFATE	4.3	U		17	U		16	U		3.8	U	
ENDRIN	4.3	U		17	U		16	U		3.8	U	
ENDRIN ALDEHYDE	4.3	U		17	U		16	U		3.8	U	
ENDRIN KETONE	4.3	U		17	U		16	U		3.8	U	
GAMMA-BHC (LINDANE)	2.1	U		8.6	U		7.9	U		1.9	U	
GAMMA-CHLORDANE	4.3	U		17	U		16	U		3.8	U	
HEPTACHLOR	2.1	U		22	U		20	U		1.9	U	
HEPTACHLOR EPOXIDE	2.1	U		8.6	U		7.9	U		1.9	U	
METHOXYCHLOR	85	U		86	U		79	U		75	U	
TOXAPHENE	210	U		860	U		790	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-237			CEF-P51-SS-238			CEF-P51-SS-239			CEF-P51-SS-240		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-5			F7071-6			F7071-7			F7071-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.4 %			85.2 %			88.6 %			87.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.9	U		3.8	U		3.8	U	
4,4'-DDE	3.6	U		3.9	U		3.8	U		1.2	J	P
4,4'-DDT	36	U		39	U		38	U		38	U	
ALDRIN	1.8	U		2.0	U		1.9	U		1.9	U	
ALPHA-BHC	1.8	U		2.0	U		1.9	U		1.9	U	
ALPHA-CHLORDANE	3.6	U		3.9	U		3.8	U		2.4	J	P
BETA-BHC	1.8	U		2.0	U		1.9	U		1.9	U	
CHLORDANE	18	U		20	U		19	U		52.4	J	P
DELTA-BHC	1.8	U		2.0	U		1.9	U		1.9	U	
DIELDRIN	1.8	U		2.0	U		1.9	U		3.3		
ENDOSULFAN I	1.8	U		2.0	U		1.9	U		1.9	U	
ENDOSULFAN II	3.6	U		3.9	U		3.8	U		3.8	U	
ENDOSULFAN SULFATE	3.6	U		3.9	U		3.8	U		3.8	U	
ENDRIN	3.6	U		3.9	U		3.8	U		3.8	U	
ENDRIN ALDEHYDE	3.6	U		3.9	U		3.8	U		3.8	U	
ENDRIN KETONE	3.6	U		3.9	U		3.8	U		3.8	U	
GAMMA-BHC (LINDANE)	1.8	U		2.0	U		1.9	U		1.9	U	
GAMMA-CHLORDANE	3.6	U		3.9	U		3.8	U		1.7	J	P
HEPTACHLOR	1.8	U		2.0	U		1.9	U		1.9	U	
HEPTACHLOR EPOXIDE	1.8	U		2.0	U		1.9	U		1.9	U	
METHOXYCHLOR	71	U		78	U		75	U		77	U	
TOXAPHENE	180	U		200	U		190	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-241	CEF-P51-SS-252	CEF-P51-SS-253	CEF-P51-SS-254
SAMPLE DATE:	07/16/00	07/16/00	07/16/00	07/16/00
LABORATORY ID:	F7071-9	F7071-11	F7071-10	F7071-13
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	86.6 %	88.8 %	93.6 %	95.1 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	15	U		19	U		3.6	U		3.5	U	
4,4'-DDE	15	U		19	U		3.6	U		3.5	U	
4,4'-DDT	38	U		38	U		36	U		35	U	
ALDRIN	7.7	U		9.4	U		1.8	U		1.8	U	
ALPHA-BHC	7.7	U		9.4	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	15	U		19	U		3.6	U		3.5	U	
BETA-BHC	7.7	U		9.4	U		1.8	U		1.8	U	
CHLORDANE	77	U		94	U		18	U		18	U	
DELTA-BHC	7.7	U		9.4	U		1.8	U		1.8	U	
DIELDRIN	7.7	U		89.4			1.8	U		1.8	U	
ENDOSULFAN I	7.7	U		9.4	U		1.8	U		1.8	U	
ENDOSULFAN II	15	U		19	U		3.6	U		3.5	U	
ENDOSULFAN SULFATE	15	U		19	U		3.6	U		3.5	U	
ENDRIN	15	U		19	U		3.6	U		3.5	U	
ENDRIN ALDEHYDE	15	U		19	U		3.6	U		3.5	U	
ENDRIN KETONE	15	U		19	U		3.6	U		3.5	U	
GAMMA-BHC (LINDANE)	7.7	U		9.4	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	15	U		19	U		3.6	U		3.5	U	
HEPTACHLOR	19	U		9.4	U		1.8	U		18	U	
HEPTACHLOR EPOXIDE	7.7	U		9.4	U		1.8	U		1.8	U	
METHOXYCHLOR	77	U		75	U		71	U		70	U	
TOXAPHENE	770	U		940	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-260			CEF-P51-SS-261			CEF-P51-SS-262			CEF-P51-SS-265		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-14			F7071-15			F7071-16			F7071-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.3 %			90.6 %			87.2 %			91.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	3.8	U		37	U		19	U		3.7	U	
4,4'-DDE	3.8	U		37	U		19	U		3.7	U	
4,4'-DDT	38	U		37	U		38	U		36	U	
ALDRIN	1.9	U		18	U		9.6	U		1.8	U	
ALPHA-BHC	1.9	U		18	U		9.6	U		1.8	U	
ALPHA-CHLORDANE	3.8	U		37	U		11.9	J	P	3.7	U	
BETA-BHC	1.9	U		18	U		9.6	U		1.8	U	
CHLORDANE	19	U		180	U		96	U		18	U	
DELTA-BHC	1.9	U		18	U		9.6	U		1.8	U	
DIELDRIN	1.9	U		156			96.2			1.8	U	
ENDOSULFAN I	1.9	U		18	U		9.6	U		1.8	U	
ENDOSULFAN II	3.8	U		37	U		19	U		3.7	U	
ENDOSULFAN SULFATE	3.8	U		37	U		19	U		3.7	U	
ENDRIN	3.8	U		37	U		19	U		3.7	U	
ENDRIN ALDEHYDE	3.8	U		37	U		19	U		3.7	U	
ENDRIN KETONE	3.8	U		37	U		19	U		3.7	U	
GAMMA-BHC (LINDANE)	1.9	U		18	U		9.6	U		1.8	U	
GAMMA-CHLORDANE	3.8	U		37	U		3.5	J	P	3.7	U	
HEPTACHLOR	19	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.9	U		18	U		9.6	U		1.8	U	
METHOXYCHLOR	76	U		74	U		76	U		73	U	
TOXAPHENE	190	U		1800	U		960	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-266	CEF-P51-SS-267	CEF-P51-SS-268	CEF-P51-SS-269
SAMPLE DATE:	07/16/00	07/16/00	07/16/00	07/16/00
LABORATORY ID:	F7071-18	F7071-19	F7071-20	F7071-26
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	92.6 %	92.6 %	90.7 %	93.4 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		14	U		3.7	U		3.6	U	
4,4'-DDE	3.6	U		14	U		3.7	U		3.6	U	
4,4'-DDT	36	U		36	U		37	U		36	U	
ALDRIN	1.8	U		7.2	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		7.2	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		14	U		3.7	U		3.6	U	
BETA-BHC	1.8	U		7.2	U		1.8	U		1.8	U	
CHLORDANE	18	U		72	U		18	U		18	U	
DELTA-BHC	1.8	U		7.2	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		7.2	U		1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		7.2	U		1.8	U		1.8	U	
ENDOSULFAN II	3.6	U		14	U		3.7	U		3.6	U	
ENDOSULFAN SULFATE	3.6	U		14	U		3.7	U		3.6	U	
ENDRIN	3.6	U		14	U		3.7	U		3.6	U	
ENDRIN ALDEHYDE	3.6	U		14	U		3.7	U		3.6	U	
ENDRIN KETONE	3.6	U		14	U		37	U		36	U	
GAMMA-BHC (LINDANE)	1.8	U		7.2	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		14	U		3.7	U		3.6	U	
HEPTACHLOR	18	U		18	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		7.2	U		1.8	U		1.8	U	
METHOXYCHLOR	72	U		72	U		73	U		71	U	
TOXAPHENE	180	U		720	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-270			CEF-P51-SS-271			CEF-P51-SS-272			CEF-P51-SS-281		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-27			F7071-28			F7071-29			F7071-25		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.0 %			94.6 %			92.0 %			87.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	0.77	J	P	3.5	U		3.6	U		3.8	U	
4,4'-DDE	1.4	J	P	3.5	U		3.6	U		3.8	U	
4,4'-DDT	37	U		35	U		36	U		38	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	13.6			2.6	J	P	3.6	U		3.8	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	123	J	P	45.8	J	P	18	U		19	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	29.2			2.2			1.8	U		7.4		
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.7	U		3.5	U		3.6	U		3.8	U	
ENDOSULFAN SULFATE	3.7	U		3.5	U		3.6	U		3.8	U	
ENDRIN	3.7	U		3.5	U		3.6	U		3.8	U	
ENDRIN ALDEHYDE	3.7	U		3.5	U		3.6	U		3.8	U	
ENDRIN KETONE	3.7	U		3.5	U		36	U		38	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.3	J	P	1.9	J	P	3.6	U		3.8	U	
HEPTACHLOR	18	U		18	U		18	U		19	U	
HEPTACHLOR EPOXIDE	1.3	J	P	1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	74	U		70	U		72	U		76	U	
TOXAPHENE	180	U		180	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-282			CEF-P51-SS-283			CEF-P51-SS-285			CEF-P51-SS-286		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-24			F7071-21			F7071-30			F7071-31		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.2 %			93.9 %			93.1 %			89.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.6	U		3.6	U		3.7	U	
4,4'-DDE	3.7	U		3.6	U		1.6	J	P	3.7	U	
4,4'-DDT	37	U		36	U		36	U		37	U	
ALDRIN	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.7	U		3.6	U		1.7	J	P	3.7	U	
BETA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	19	U		18	U		18	U		19	U	
DELTA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	1.4	J	P	1.8	U		7.3			6.3		
ENDOSULFAN I	1.9	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.7	U		3.6	U		3.6	U		3.7	U	
ENDOSULFAN SULFATE	3.7	U		3.6	U		3.6	U		3.7	U	
ENDRIN	3.7	U		3.6	U		3.6	U		3.7	U	
ENDRIN ALDEHYDE	3.7	U		3.6	U		3.6	U		3.7	U	
ENDRIN KETONE	3.7	U		36	U		36	U		37	U	
GAMMA-BHC (LINDANE)	1.9	U		1.8	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.7	U		3.6	U		3.6	U		3.7	U	
HEPTACHLOR	19	U		18	U		18	U		19	U	
HEPTACHLOR EPOXIDE	1.9	U		1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	75	U		71	U		72	U		75	U	
TOXAPHENE	190	U		180	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-294			CEF-P51-SS-295			CEF-P51-SS-296			CEF-P51-SS-302		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-42			F7071-23			F7071-22			F7071-32		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.1 %			89.8 %			88.0 %			90.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.7	U		3.8	U		3.7	U	
4,4'-DDE	3.7	U		3.7	U		3.8	U		3.7	U	
4,4'-DDT	37	U		37	U		38	U		37	U	
ALDRIN	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	3.7	U		3.7	U		3.8	U		4.0		
BETA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
CHLORDANE	18	U		18	U		19	U		81.7	J	P
DELTA-BHC	1.8	U		1.8	U		1.9	U		1.8	U	
DIELDRIN	1.8	U		1.8	U		1.9	U		9.6		
ENDOSULFAN I	1.8	U		1.8	U		1.9	U		1.8	U	
ENDOSULFAN II	3.7	U		3.7	U		3.8	U		3.7	U	
ENDOSULFAN SULFATE	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN ALDEHYDE	3.7	U		3.7	U		3.8	U		3.7	U	
ENDRIN KETONE	3.7	U		37	U		38	U		3.7	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.9	U		1.8	U	
GAMMA-CHLORDANE	3.7	U		3.7	U		3.8	U		3.1	J	P
HEPTACHLOR	18	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.9	U		1.8	U	
METHOXYCHLOR	74	U		74	U		76	U		74	U	
TOXAPHENE	180	U		180	U		190	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-305			CEF-P51-SS-306			CEF-P51-SS-307			CEF-P51-SS-315		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-33			F7071-34			F7071-35			F7071-40		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.4 %			90.4 %			87.7 %			81.2 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.7	U		3.8	U		4.1	U	
4,4'-DDE	3.7	U		3.7	U		3.8	U		4.1	U	
4,4'-DDT	37	U		37	U		76	U		82	U	
ALDRIN	1.9	U		1.8	U		1.9	U		2.0	U	
ALPHA-BHC	1.9	U		1.8	U		1.9	U		2.0	U	
ALPHA-CHLORDANE	3.7	U		3.7	U		3.8	U		12.1		
BETA-BHC	1.9	U		1.8	U		1.9	U		2.0	U	
CHLORDANE	19	U		18	U		19	U		105	J	P
DELTA-BHC	1.9	U		1.8	U		1.9	U		2.0	U	
DIELDRIN	0.97	J	P	1.8	U		1.9	U		17.2		
ENDOSULFAN I	1.9	U		1.8	U		1.9	U		2.0	U	
ENDOSULFAN II	3.7	U		3.7	U		3.8	U		4.1	U	
ENDOSULFAN SULFATE	3.7	U		3.7	U		3.8	U		4.1	U	
ENDRIN	3.7	U		3.7	U		3.8	U		4.1	U	
ENDRIN ALDEHYDE	3.7	U		3.7	U		3.8	U		4.1	U	
ENDRIN KETONE	3.7	U		37	U		3.8	U		4.1	U	
GAMMA-BHC (LINDANE)	1.9	U		1.8	U		1.9	U		2.0	U	
GAMMA-CHLORDANE	3.7	U		3.7	U		3.8	U		2.7	J	P
HEPTACHLOR	19	U		18	U		19	U		20	U	
HEPTACHLOR EPOXIDE	1.9	U		1.8	U		1.9	U		2.0	U	
METHOXYCHLOR	74	U		74	U		76	U		82	U	
TOXAPHENE	190	U		180	U		190	U		200	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-316	CEF-P51-SS-317	CEF-P51-SS-323	CEF-P51-SS-324
SAMPLE DATE:	07/16/00	07/16/00	07/16/00	07/16/00
LABORATORY ID:	F7071-41	F7071-36	F7071-43	F7071-39
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	95.4 %	89.5 %	88.9 %	93.0 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.7	U		3.8	U		3.6	U	
4,4'-DDE	3.5	U		3.7	U		3.8	U		0.41	J	P
4,4'-DDT	35	U		74	U		38	U		72	U	
ALDRIN	1.7	U		1.9	U		1.9	U		1.8	U	
ALPHA-BHC	1.7	U		1.9	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	3.5	U		3.7	U		3.8	U		3.9		
BETA-BHC	1.7	U		1.9	U		1.9	U		1.8	U	
CHLORDANE	17	U		19	U		19	U		98.9	J	P
DELTA-BHC	1.7	U		1.9	U		1.9	U		1.8	U	
DIELDRIN	1.7	U		1.9	U		2.9			12.8		
ENDOSULFAN I	1.7	U		1.9	U		1.9	U		1.8	U	
ENDOSULFAN II	3.5	U		3.7	U		3.8	U		3.6	U	
ENDOSULFAN SULFATE	3.5	U		3.7	U		3.8	U		3.6	U	
ENDRIN	3.5	U		3.7	U		3.8	U		3.6	U	
ENDRIN ALDEHYDE	3.5	U		3.7	U		3.8	U		3.6	U	
ENDRIN KETONE	3.5	U		3.7	U		3.8	U		3.6	U	
GAMMA-BHC (LINDANE)	1.7	U		1.9	U		1.9	U		1.8	U	
GAMMA-CHLORDANE	3.5	U		3.7	U		3.8	U		2.3	J	P
HEPTACHLOR	17	U		19	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.7	U		1.9	U		1.9	U		1.8	U	
METHOXYCHLOR	70	U		74	U		75	U		72	U	
TOXAPHENE	170	U		190	U		190	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-329	CEF-P51-SS-330		
SAMPLE DATE:	07/16/00	07/16/00	/ /	/ /
LABORATORY ID:	F7071-37	F7071-38		
QC_TYPE:	NORMAL	NORMAL		
% SOLIDS:	89.8 %	85.8 %	100.0 %	100.0 %
UNITS:	UG/KG	UG/KG		
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	18	U		3.9	U							
4,4'-DDE	25.0			3.9	U							
4,4'-DDT	25.3	J	P	78	U							
ALDRIN	9.2	U		1.9	U							
ALPHA-BHC	9.2	U		1.9	U							
ALPHA-CHLORDANE	45.1			3.9	U							
BETA-BHC	9.2	U		1.9	U							
CHLORDANE	546			19	U							
DELTA-BHC	9.2	U		1.9	U							
DIELDRIN	61.3			2.2								
ENDOSULFAN I	9.2	U		1.9	U							
ENDOSULFAN II	18	U		3.9	U							
ENDOSULFAN SULFATE	18	U		3.9	U							
ENDRIN	18	U		3.9	U							
ENDRIN ALDEHYDE	18	U		3.9	U							
ENDRIN KETONE	18	U		3.9	U							
GAMMA-BHC (LINDANE)	9.2	U		1.9	U							
GAMMA-CHLORDANE	24.7			3.9	U							
HEPTACHLOR	18	U		19	U							
HEPTACHLOR EPOXIDE	9.2	U		1.9	U							
METHOXYCHLOR	74	U		78	U							
TOXAPHENE	920	U		190	U							

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP23		
Lab Sample ID:	F7071-12	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08499.D	4	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08453.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.8	ug/kg	
319-84-6	alpha-BHC	ND	7.8	ug/kg	
319-85-7	beta-BHC	ND	7.8	ug/kg	
319-86-8	delta-BHC	ND	7.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.8	ug/kg	
12789-03-6	Chlordane	ND	78	ug/kg	
5103-71-9	alpha-Chlordane	ND	16	ug/kg	
5103-74-2	gamma-Chlordane	ND	16	ug/kg	
60-57-1	Dieldrin [b]	3.5	7.8	ug/kg	J
72-54-8	4,4'-DDD	ND	16	ug/kg	
72-55-9	4,4'-DDE	ND	16	ug/kg	
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	16	ug/kg	
1031-07-8	Endosulfan sulfate	ND	16	ug/kg	
7421-93-4	Endrin aldehyde	ND	16	ug/kg	
53494-70-5	Endrin ketone	ND	16	ug/kg	
959-98-8	Endosulfan-I	ND	7.8	ug/kg	
33213-65-9	Endosulfan-II	ND	16	ug/kg	
76-44-8	Heptachlor	ND [c]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	79	ug/kg	
8001-35-2	Toxaphene	ND	780	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	82%	50-144%
2051-24-3	Decachlorobiphenyl	114%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP24		
Lab Sample ID:	F7071-44	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08563.D	1	08/01/00	SKW	07/26/00	OP1873	GMN333
Run #2 [a]	MN08577.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.7	ug/kg	
319-84-6	alpha-BHC	ND	1.7	ug/kg	
319-85-7	beta-BHC	ND	1.7	ug/kg	
319-86-8	delta-BHC	ND	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	ug/kg	
12789-03-6	Chlordane	ND	17	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.7	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.7	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	17	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%	92%	50-144%
2051-24-3	Decachlorobiphenyl	81%	139%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP25		
Lab Sample ID:	F7071-45	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	96.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08581.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08542.D	50	07/31/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	17	ug/kg	
319-84-6	alpha-BHC	ND	17	ug/kg	
319-85-7	beta-BHC	ND	17	ug/kg	
319-86-8	delta-BHC	ND	17	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	17	ug/kg	
12789-03-6	Chlordane	ND	170	ug/kg	
5103-71-9	alpha-Chlordane	ND	34	ug/kg	
5103-74-2	gamma-Chlordane	ND	34	ug/kg	
60-57-1	Dieldrin [b]	9.7	17	ug/kg	J
72-54-8	4,4'-DDD	ND	34	ug/kg	
72-55-9	4,4'-DDE	ND	34	ug/kg	
50-29-3	4,4'-DDT	ND [c]	170	ug/kg	
72-20-8	Endrin	ND	34	ug/kg	
1031-07-8	Endosulfan sulfate	ND	34	ug/kg	
7421-93-4	Endrin aldehyde	ND	34	ug/kg	
53494-70-5	Endrin ketone	ND	34	ug/kg	
959-98-8	Endosulfan-I	ND	17	ug/kg	
33213-65-9	Endosulfan-II	ND	34	ug/kg	
76-44-8	Heptachlor	ND	17	ug/kg	
1024-57-3	Heptachlor epoxide	ND	17	ug/kg	
72-43-5	Methoxychlor	ND	69	ug/kg	
8001-35-2	Toxaphene	ND	1700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	110%	50-144%
2051-24-3	Decachlorobiphenyl	139%	129%	10-180%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.
(c) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP26		
Lab Sample ID:	F7071-46	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08582.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334
Run #2 [a]	MN08543.D	50	07/31/00	SKW	07/26/00	OP1873	GMN333

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND [b]	180	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	73	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%	103%	50-144%
2051-24-3	Decachlorobiphenyl	141%	122%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-233		
Lab Sample ID:	F7071-1	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	78.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08476.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [b]	MN08440.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	30.8	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [c]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [c]	85	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%	98%	50-144%
2051-24-3	Decachlorobiphenyl	104%	123%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-234		
Lab Sample ID:	F7071-2	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08496.D	4	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08441.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	8.6	ug/kg	
319-84-6	alpha-BHC	ND	8.6	ug/kg	
319-85-7	beta-BHC	ND	8.6	ug/kg	
319-86-8	delta-BHC	ND	8.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	8.6	ug/kg	
12789-03-6	Chlordane	ND	86	ug/kg	
5103-71-9	alpha-Chlordane	ND	17	ug/kg	
5103-74-2	gamma-Chlordane	ND	17	ug/kg	
60-57-1	Dieldrin	ND	8.6	ug/kg	
72-54-8	4,4'-DDD	ND	17	ug/kg	
72-55-9	4,4'-DDE	ND	17	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	17	ug/kg	
1031-07-8	Endosulfan sulfate	ND	17	ug/kg	
7421-93-4	Endrin aldehyde	ND	17	ug/kg	
53494-70-5	Endrin ketone	ND	17	ug/kg	
959-98-8	Endosulfan-I	ND	8.6	ug/kg	
33213-65-9	Endosulfan-II	ND	17	ug/kg	
76-44-8	Heptachlor	ND [b]	22	ug/kg	
1024-57-3	Heptachlor epoxide	ND	8.6	ug/kg	
72-43-5	Methoxychlor	ND [b]	86	ug/kg	
8001-35-2	Toxaphene	ND	860	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%	112%	50-144%
2051-24-3	Decachlorobiphenyl	123%	118%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-235		
Lab Sample ID:	F7071-3	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08497.D	4	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08442.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.9	ug/kg	
319-84-6	alpha-BHC	ND	7.9	ug/kg	
319-85-7	beta-BHC	ND	7.9	ug/kg	
319-86-8	delta-BHC	ND	7.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.9	ug/kg	
12789-03-6	Chlordane	ND	79	ug/kg	
5103-71-9	alpha-Chlordane	ND	16	ug/kg	
5103-74-2	gamma-Chlordane	ND	16	ug/kg	
60-57-1	Dieldrin	ND	7.9	ug/kg	
72-54-8	4,4'-DDD	ND	16	ug/kg	
72-55-9	4,4'-DDE	ND	16	ug/kg	
50-29-3	4,4'-DDT	ND [b]	40	ug/kg	
72-20-8	Endrin	ND	16	ug/kg	
1031-07-8	Endosulfan sulfate	ND	16	ug/kg	
7421-93-4	Endrin aldehyde	ND	16	ug/kg	
53494-70-5	Endrin ketone	ND	16	ug/kg	
959-98-8	Endosulfan-I	ND	7.9	ug/kg	
33213-65-9	Endosulfan-II	ND	16	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	79	ug/kg	
8001-35-2	Toxaphene	ND	790	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	95%	50-144%
2051-24-3	Decachlorobiphenyl	111%	102%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-236		
Lab Sample ID:	F7071-4	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08477.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08443.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%	138%	50-144%
2051-24-3	Decachlorobiphenyl	102%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-237		
Lab Sample ID:	F7071-5	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08478.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08444.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	116%	50-144%
2051-24-3	Decachlorobiphenyl	111%	128%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-238		
Lab Sample ID:	F7071-6	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08479.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08445.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	78	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%	103%	50-144%
2051-24-3	Decachlorobiphenyl	102%	110%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-239		
Lab Sample ID:	F7071-7	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08480.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08448.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	109%	50-144%
2051-24-3	Decachlorobiphenyl	102%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-240		
Lab Sample ID:	F7071-8	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08481.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [b]	MN08449.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane [c]	52.4	19	ug/kg	J
5103-71-9	alpha-Chlordane	2.4	3.8	ug/kg	J
5103-74-2	gamma-Chlordane	1.7	3.8	ug/kg	J
60-57-1	Dieldrin	3.3	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	1.2	3.8	ug/kg	J
50-29-3	4,4'-DDT	ND [d]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [d]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	110%	50-144%
2051-24-3	Decachlorobiphenyl	105%	120%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-241		
Lab Sample ID:	F7071-9	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08498.D	4	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08450.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.7	ug/kg	
319-84-6	alpha-BHC	ND	7.7	ug/kg	
319-85-7	beta-BHC	ND	7.7	ug/kg	
319-86-8	delta-BHC	ND	7.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.7	ug/kg	
12789-03-6	Chlordane	ND	77	ug/kg	
5103-71-9	alpha-Chlordane	ND	15	ug/kg	
5103-74-2	gamma-Chlordane	ND	15	ug/kg	
60-57-1	Dieldrin	ND	7.7	ug/kg	
72-54-8	4,4'-DDD	ND	15	ug/kg	
72-55-9	4,4'-DDE	ND	15	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	15	ug/kg	
1031-07-8	Endosulfan sulfate	ND	15	ug/kg	
7421-93-4	Endrin aldehyde	ND	15	ug/kg	
53494-70-5	Endrin ketone	ND	15	ug/kg	
959-98-8	Endosulfan-I	ND	7.7	ug/kg	
33213-65-9	Endosulfan-II	ND	15	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	77	ug/kg	
8001-35-2	Toxaphene	ND	770	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%	86%	50-144%
2051-24-3	Decachlorobiphenyl	116%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-252		
Lab Sample ID:	F7071-11	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08483.D	5	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [b]	MN08452.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.4	ug/kg	
319-84-6	alpha-BHC	ND	9.4	ug/kg	
319-85-7	beta-BHC	ND	9.4	ug/kg	
319-86-8	delta-BHC	ND	9.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.4	ug/kg	
12789-03-6	Chlordane	ND	94	ug/kg	
5103-71-9	alpha-Chlordane	ND	19	ug/kg	
5103-74-2	gamma-Chlordane	ND	19	ug/kg	
60-57-1	Dieldrin	89.4	9.4	ug/kg	
72-54-8	4,4'-DDD	ND	19	ug/kg	
72-55-9	4,4'-DDE	ND	19	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	19	ug/kg	
1031-07-8	Endosulfan sulfate	ND	19	ug/kg	
7421-93-4	Endrin aldehyde	ND	19	ug/kg	
53494-70-5	Endrin ketone	ND	19	ug/kg	
959-98-8	Endosulfan-I	ND	9.4	ug/kg	
33213-65-9	Endosulfan-II	ND	19	ug/kg	
76-44-8	Heptachlor	ND	9.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.4	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	940	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	106%	50-144%
2051-24-3	Decachlorobiphenyl	130%	122%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-253		
Lab Sample ID:	F7071-10	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08482.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08451.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	100%	50-144%
2051-24-3	Decachlorobiphenyl	107%	114%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-254		
Lab Sample ID:	F7071-13	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08486.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08454.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	89%	50-144%
2051-24-3	Decachlorobiphenyl	101%	112%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-260		
Lab Sample ID:	F7071-14	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08487.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08455.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%	96%	50-144%
2051-24-3	Decachlorobiphenyl	97%	111%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-261		
Lab Sample ID:	F7071-15	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08458.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	37	ug/kg	
5103-74-2	gamma-Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	156	18	ug/kg	
72-54-8	4,4'-DDD	ND	37	ug/kg	
72-55-9	4,4'-DDE	ND	37	ug/kg	
50-29-3	4,4'-DDT	ND	37	ug/kg	
72-20-8	Endrin	ND	37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	37	ug/kg	
7421-93-4	Endrin aldehyde	ND	37	ug/kg	
53494-70-5	Endrin ketone	ND	37	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	37	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	74	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		50-144%
2051-24-3	Decachlorobiphenyl	112%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-262		
Lab Sample ID:	F7071-16	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08488.D	5	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [b]	MN08459.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.6	ug/kg	
319-84-6	alpha-BHC	ND	9.6	ug/kg	
319-85-7	beta-BHC	ND	9.6	ug/kg	
319-86-8	delta-BHC	ND	9.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.6	ug/kg	
12789-03-6	Chlordane	ND	96	ug/kg	
5103-71-9	alpha-Chlordane	11.9	19	ug/kg	J
5103-74-2	gamma-Chlordane	3.5	19	ug/kg	J
60-57-1	Dieldrin	96.2	9.6	ug/kg	
72-54-8	4,4'-DDD	ND	19	ug/kg	
72-55-9	4,4'-DDE	ND	19	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	19	ug/kg	
1031-07-8	Endosulfan sulfate	ND	19	ug/kg	
7421-93-4	Endrin aldehyde	ND	19	ug/kg	
53494-70-5	Endrin ketone	ND	19	ug/kg	
959-98-8	Endosulfan-I	ND	9.6	ug/kg	
33213-65-9	Endosulfan-II	ND	19	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.6	ug/kg	
72-43-5	Methoxychlor	ND [c]	76	ug/kg	
8001-35-2	Toxaphene	ND	960	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	114%	50-144%
2051-24-3	Decachlorobiphenyl	124%	132%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-265		
Lab Sample ID:	F7071-17	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08489.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08460.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	95%	50-144%
2051-24-3	Decachlorobiphenyl	94%	112%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-266		
Lab Sample ID:	F7071-18	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08490.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08461.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	109%	50-144%
2051-24-3	Decachlorobiphenyl	105%	119%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-267		
Lab Sample ID:	F7071-19	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08500.D	4	07/31/00	SKW	07/24/00	OP1861	GMN331
Run #2 [a]	MN08462.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.2	ug/kg	
319-84-6	alpha-BHC	ND	7.2	ug/kg	
319-85-7	beta-BHC	ND	7.2	ug/kg	
319-86-8	delta-BHC	ND	7.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.2	ug/kg	
12789-03-6	Chlordane	ND	72	ug/kg	
5103-71-9	alpha-Chlordane	ND	14	ug/kg	
5103-74-2	gamma-Chlordane	ND	14	ug/kg	
60-57-1	Dieldrin	ND	7.2	ug/kg	
72-54-8	4,4'-DDD	ND	14	ug/kg	
72-55-9	4,4'-DDE	ND	14	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	14	ug/kg	
1031-07-8	Endosulfan sulfate	ND	14	ug/kg	
7421-93-4	Endrin aldehyde	ND	14	ug/kg	
53494-70-5	Endrin ketone	ND	14	ug/kg	
959-98-8	Endosulfan-I	ND	7.2	ug/kg	
33213-65-9	Endosulfan-II	ND	14	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	720	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	106%	50-144%
2051-24-3	Decachlorobiphenyl	110%	123%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-268		
Lab Sample ID:	F7071-20	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06495.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06452.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	93%	50-144%
2051-24-3	Decachlorobiphenyl	83%	120%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-269		
Lab Sample ID:	F7071-26	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06500.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06457.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	98%	50-144%
2051-24-3	Decachlorobiphenyl	72%	117%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-270		
Lab Sample ID:	F7071-27	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06579.D	1	08/02/00	SKW	07/24/00	OP1862	GST236
Run #2 [b]	ST06460.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	123	18	ug/kg	J
5103-71-9	alpha-Chlordane	13.6	3.7	ug/kg	
5103-74-2	gamma-Chlordane	3.3	3.7	ug/kg	J
60-57-1	Dieldrin	29.2	1.8	ug/kg	
72-54-8	4,4'-DDD	0.77	3.7	ug/kg	J
72-55-9	4,4'-DDE	1.4	3.7	ug/kg	J
50-29-3	4,4'-DDT	ND [d]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [d]	18	ug/kg	
1024-57-3	Heptachlor epoxide	1.3	1.8	ug/kg	J
72-43-5	Methoxychlor	ND [d]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	97%	50-144%
2051-24-3	Decachlorobiphenyl	101%	125%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-271		
Lab Sample ID:	F7071-28	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06580.D	1	08/02/00	SKW	07/24/00	OP1862	GST236
Run #2 [b]	ST06461.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	45.8	18	ug/kg	J
5103-71-9	alpha-Chlordane	2.6	3.5	ug/kg	J
5103-74-2	gamma-Chlordane	1.9	3.5	ug/kg	J
60-57-1	Dieldrin	2.2	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [d]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [d]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [d]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	92%	50-144%
2051-24-3	Decachlorobiphenyl	96%	112%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-272		
Lab Sample ID:	F7071-29	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06504.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06462.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	91%	50-144%
2051-24-3	Decachlorobiphenyl	71%	138%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-281		
Lab Sample ID:	F7071-25	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06499.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [b]	ST06456.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	7.4	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [c]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	96%	50-144%
2051-24-3	Decachlorobiphenyl	64%	95%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-282		
Lab Sample ID:	F7071-24	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08491.D	1	07/30/00	SKW	07/24/00	OP1861	GMN331
Run #2 [b]	MN08463.D	10	07/30/00	SKW	07/24/00	OP1861	GMN330

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	1.4	1.9	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	103%	50-144%
2051-24-3	Decachlorobiphenyl	103%	114%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-283		
Lab Sample ID:	F7071-21	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06496.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06453.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	104%	50-144%
2051-24-3	Decachlorobiphenyl	77%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-285		
Lab Sample ID:	F7071-30	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06505.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [b]	ST06463.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	1.7	3.6	ug/kg	J
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	7.3	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	1.6	3.6	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [c]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%	100%	50-144%
2051-24-3	Decachlorobiphenyl	87%	102%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-286		
Lab Sample ID:	F7071-31	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06506.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [b]	ST06464.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	6.3	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [c]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	99%	50-144%
2051-24-3	Decachlorobiphenyl	67%	118%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-294		
Lab Sample ID:	F7071-42	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08561.D	1	08/01/00	SKW	07/26/00	OP1873	GMN333
Run #2 [a]	MN08575.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	103%	50-144%
2051-24-3	Decachlorobiphenyl	90%	137%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-295		
Lab Sample ID:	F7071-23	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06498.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06455.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	105%	50-144%
2051-24-3	Decachlorobiphenyl	64%	109%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-296		
Lab Sample ID:	F7071-22	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06497.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06454.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	98%	50-144%
2051-24-3	Decachlorobiphenyl	74%	118%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-302		
Lab Sample ID:	F7071-32	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06581.D	1	08/02/00	SKW	07/24/00	OP1862	GST236
Run #2 [b]	ST06465.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	81.7	18	ug/kg	J
5103-71-9	alpha-Chlordane	4.0	3.7	ug/kg	
5103-74-2	gamma-Chlordane	3.1	3.7	ug/kg	J
60-57-1	Dieldrin	9.6	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [d]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [d]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [d]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	103%	50-144%
2051-24-3	Decachlorobiphenyl	104%	121%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-305		
Lab Sample ID:	F7071-33	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06508.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [b]	ST06466.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	0.97	1.9	ug/kg	J
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	94%	50-144%
2051-24-3	Decachlorobiphenyl	64%	111%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-306		
Lab Sample ID:	F7071-34	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06509.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06467.D	10	07/30/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	96%	50-144%
2051-24-3	Decachlorobiphenyl	64%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-307		
Lab Sample ID:	F7071-35	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06488.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06470.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT [b]	ND [c]	76	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%	93%	50-144%
2051-24-3	Decachlorobiphenyl	77%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Elevated reporting limits due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-315		
Lab Sample ID:	F7071-40	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	81.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06583.D	1	08/02/00	SKW	07/24/00	OP1862	GST236
Run #2 [b]	ST06477.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane [c]	105	20	ug/kg	J
5103-71-9	alpha-Chlordane	12.1	4.1	ug/kg	
5103-74-2	gamma-Chlordane	2.7	4.1	ug/kg	J
60-57-1	Dieldrin	17.2	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.1	ug/kg	
72-55-9	4,4'-DDE	ND	4.1	ug/kg	
50-29-3	4,4'-DDT [d]	ND [e]	82	ug/kg	
72-20-8	Endrin	ND	4.1	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.1	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.1	ug/kg	
53494-70-5	Endrin ketone	ND	4.1	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.1	ug/kg	
76-44-8	Heptachlor	ND [e]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [e]	82	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	88%	50-144%
2051-24-3	Decachlorobiphenyl	87%	101%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Elevated reporting limits due to matrix interference.
(e) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-316		
Lab Sample ID:	F7071-41	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	95.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08560.D	1	08/01/00	SKW	07/26/00	OP1873	GMN333
Run #2 [a]	MN08574.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.7	ug/kg	
319-84-6	alpha-BHC	ND	1.7	ug/kg	
319-85-7	beta-BHC	ND	1.7	ug/kg	
319-86-8	delta-BHC	ND	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	ug/kg	
12789-03-6	Chlordane	ND	17	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.7	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.7	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	17	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	97%	50-144%
2051-24-3	Decachlorobiphenyl	90%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-317		
Lab Sample ID:	F7071-36	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06489.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06471.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT [b]	ND [c]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	100%	50-144%
2051-24-3	Decachlorobiphenyl	65%	97%	10-180%

(a) Dilution required due to matrix interference.
(b) Elevated reporting limits due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-323		
Lab Sample ID:	F7071-43	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08562.D	1	08/01/00	SKW	07/26/00	OP1873	GMN333
Run #2 [a]	MN08576.D	10	08/01/00	SKW	07/26/00	OP1873	GMN334

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin [b]	2.9	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [c]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [c]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [c]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	102%	50-144%
2051-24-3	Decachlorobiphenyl	83%	136%	10-180%

(a) Dilution required due to matrix interference.
(b) Hit not confirmed due to the presence of an interfering peak.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-324		
Lab Sample ID:	F7071-39	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06582.D	1	08/02/00	SKW	07/24/00	OP1862	GST236
Run #2 [b]	ST06476.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane [c]	98.9	18	ug/kg	J
5103-71-9	alpha-Chlordane	3.9	3.6	ug/kg	
5103-74-2	gamma-Chlordane	2.3	3.6	ug/kg	J
60-57-1	Dieldrin	12.8	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	0.41	3.6	ug/kg	J
50-29-3	4,4'-DDT [d]	ND [e]	72	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [e]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [e]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	88%	50-144%
2051-24-3	Decachlorobiphenyl	90%	109%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Elevated reporting limits due to matrix interference.
(e) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-329		
Lab Sample ID:	F7071-37	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06490.D	5	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [a]	ST06472.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	9.2	ug/kg	
319-84-6	alpha-BHC	ND	9.2	ug/kg	
319-85-7	beta-BHC	ND	9.2	ug/kg	
319-86-8	delta-BHC	ND	9.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	9.2	ug/kg	
12789-03-6	Chlordane	546 [b]	180	ug/kg	
5103-71-9	alpha-Chlordane	45.1	18	ug/kg	
5103-74-2	gamma-Chlordane	24.7	18	ug/kg	
60-57-1	Dieldrin	61.3	9.2	ug/kg	
72-54-8	4,4'-DDD	ND	18	ug/kg	
72-55-9	4,4'-DDE	25.0	18	ug/kg	
50-29-3	4,4'-DDT [c]	25.3 [b]	74	ug/kg	J
72-20-8	Endrin	ND	18	ug/kg	
1031-07-8	Endosulfan sulfate	ND	18	ug/kg	
7421-93-4	Endrin aldehyde	ND	18	ug/kg	
53494-70-5	Endrin ketone	ND	18	ug/kg	
959-98-8	Endosulfan-I	ND	9.2	ug/kg	
33213-65-9	Endosulfan-II	ND	18	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	9.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	920	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	94%	50-144%
2051-24-3	Decachlorobiphenyl	77%	110%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-330		
Lab Sample ID:	F7071-38	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06491.D	1	07/31/00	SKW	07/24/00	OP1862	GST233
Run #2 [b]	ST06475.D	10	07/31/00	SKW	07/24/00	OP1862	GST232

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	2.2	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT [c]	ND [d]	78	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [d]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [d]	78	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	102%	50-144%
2051-24-3	Decachlorobiphenyl	73%	128%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Elevated reporting limits due to matrix interference.
(d) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 28, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7324

SAMPLES: 3/Surface Soil

CEF-P51-SS-G06B
CEF-P51-SS-G14B
CEF-P51-SS-G13B

OVERVIEW

The sample set for CTO 078, SDG F7324 Naval Air Station (NAS) Cecil Field; Florida consists of three (3) surface soil environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide organic compounds. No field duplicate pairs were included within this SDG.

The samples were collected by Tetra Tech, NUS on August 9th, 2000 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 8081A 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.

PESTICIDE FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits:

Sample	Dilution
CEF-P51-SS-G06B	80X
CEF-P51-SS-G13B	50X
CEF-P51-SS-G14B	400X

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and as a result was providing the Form Xs.

MEMO TO: **MARK SPERANZA**
DATE: **AUGUST 28, 2000 – PAGE 2**

ADDITIONAL COMMENTS

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: The laboratory did not provide the Form Xs.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution thus causing elevated reporting limits.

MEMO TO: MARK SPERANZA
DATE: AUGUST 28, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7324

SAMPLE NUMBER:	CEF-P51-SS-G06B			CEF-P51-SS-G13B			CEF-P51-SS-G14B					
SAMPLE DATE:	08/09/00			08/09/00			08/09/00			/ /		
LABORATORY ID:	F7324-3			F7324-2			F7324-1					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	86.4 %			85.2 %			86.6 %			100.0 %		
UNITS:	UG/KG			UG/KG			UG/KG					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	310	U		200	U		1500	U				
4,4'-DDE	126	J	P	88.2	J	P	1500	U				
4,4'-DDT	310	U		200	U		1500	U				
ALDRIN	150	U		98	U		770	U				
ALPHA-BHC	150	U		98	U		770	U				
ALPHA-CHLORDANE	1510			1120			3460					
BETA-BHC	150	U		98	U		770	U				
CHLORDANE	13700			8230			29100					
DELTA-BHC	150	U		98	U		770	U				
DIELDRIN	89.6	J	P	98	U		770	U				
ENDOSULFAN I	150	U		98	U		770	U				
ENDOSULFAN II	310	U		200	U		1500	U				
ENDOSULFAN SULFATE	310	U		200	U		1500	U				
ENDRIN	310	U		200	U		1500	U				
ENDRIN ALDEHYDE	310	U		200	U		1500	U				
ENDRIN KETONE	310	U		200	U		1500	U				
GAMMA-BHC (LINDANE)	150	U		98	U		770	U				
GAMMA-CHLORDANE	1500			1060			3390					
HEPTACHLOR	150	U		98	U		770	U				
HEPTACHLOR EPOXIDE	150	U		85.2	J	P	770	U				
METHOXYCHLOR	620	U		390	U		3100	U				
TOXAPHENE	15000	U		9800	U		77000	U				

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-G06B		
Lab Sample ID:	F7324-3	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08959.D	80	08/21/00	SKW	08/15/00	OP1950	GMN345
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	150	ug/kg	
319-84-6	alpha-BHC	ND	150	ug/kg	
319-85-7	beta-BHC	ND	150	ug/kg	
319-86-8	delta-BHC	ND	150	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	150	ug/kg	
12789-03-6	Chlordane	13700	1500	ug/kg	
5103-71-9	alpha-Chlordane	1510	310	ug/kg	
5103-74-2	gamma-Chlordane	1500	310	ug/kg	
60-57-1	Dieldrin	89.6	150	ug/kg	J
72-54-8	4,4'-DDD	ND	310	ug/kg	
72-55-9	4,4'-DDE	126	310	ug/kg	J
50-29-3	4,4'-DDT	ND	310	ug/kg	
72-20-8	Endrin	ND	310	ug/kg	
1031-07-8	Endosulfan sulfate	ND	310	ug/kg	
7421-93-4	Endrin aldehyde	ND	310	ug/kg	
53494-70-5	Endrin ketone	ND	310	ug/kg	
959-98-8	Endosulfan-I	ND	150	ug/kg	
33213-65-9	Endosulfan-II	ND	310	ug/kg	
76-44-8	Heptachlor	ND	150	ug/kg	
1024-57-3	Heptachlor epoxide	ND	150	ug/kg	
72-43-5	Methoxychlor	ND	620	ug/kg	
8001-35-2	Toxaphene	ND	15000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		50-144%
2051-24-3	Decachlorobiphenyl	132%		10-180%

(a) All hits confirmed by dual column analysis.

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-G13B		
Lab Sample ID:	F7324-2	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08958.D	50	08/21/00	SKW	08/15/00	OP1950	GMN345
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	98	ug/kg	
319-84-6	alpha-BHC	ND	98	ug/kg	
319-85-7	beta-BHC	ND	98	ug/kg	
319-86-8	delta-BHC	ND	98	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	98	ug/kg	
12789-03-6	Chlordane	8230	980	ug/kg	
5103-71-9	alpha-Chlordane	1120	200	ug/kg	
5103-74-2	gamma-Chlordane	1060	200	ug/kg	
60-57-1	Dieldrin	ND	98	ug/kg	
72-54-8	4,4'-DDD	ND	200	ug/kg	
72-55-9	4,4'-DDE	88.2	200	ug/kg	J
50-29-3	4,4'-DDT	ND	200	ug/kg	
72-20-8	Endrin	ND	200	ug/kg	
1031-07-8	Endosulfan sulfate	ND	200	ug/kg	
7421-93-4	Endrin aldehyde	ND	200	ug/kg	
53494-70-5	Endrin ketone	ND	200	ug/kg	
959-98-8	Endosulfan-I	ND	98	ug/kg	
33213-65-9	Endosulfan-II	ND	200	ug/kg	
76-44-8	Heptachlor	ND	98	ug/kg	
1024-57-3	Heptachlor epoxide	85.2	98	ug/kg	J
72-43-5	Methoxychlor	ND	390	ug/kg	
8001-35-2	Toxaphene	ND	9800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		50-144%
2051-24-3	Decachlorobiphenyl	116%		10-180%

(a) All hits confirmed by dual column analysis.

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-G14B		
Lab Sample ID:	F7324-1	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08960.D	400	08/21/00	SKW	08/15/00	OP1950	GMN345
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	770	ug/kg	
319-84-6	alpha-BHC	ND	770	ug/kg	
319-85-7	beta-BHC	ND	770	ug/kg	
319-86-8	delta-BHC	ND	770	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	770	ug/kg	
12789-03-6	Chlordane	29100	7700	ug/kg	
5103-71-9	alpha-Chlordane	3460	1500	ug/kg	
5103-74-2	gamma-Chlordane	3390	1500	ug/kg	
60-57-1	Dieldrin	ND	770	ug/kg	
72-54-8	4,4'-DDD	ND	1500	ug/kg	
72-55-9	4,4'-DDE	ND	1500	ug/kg	
50-29-3	4,4'-DDT	ND	1500	ug/kg	
72-20-8	Endrin	ND	1500	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1500	ug/kg	
7421-93-4	Endrin aldehyde	ND	1500	ug/kg	
53494-70-5	Endrin ketone	ND	1500	ug/kg	
959-98-8	Endosulfan-I	ND	770	ug/kg	
33213-65-9	Endosulfan-II	ND	1500	ug/kg	
76-44-8	Heptachlor	ND	770	ug/kg	
1024-57-3	Heptachlor epoxide	ND	770	ug/kg	
72-43-5	Methoxychlor	ND	3100	ug/kg	
8001-35-2	Toxaphene	ND	77000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-07-0-026

TO: **MARK SPERANZA** **DATE: AUGUST 31, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST**
CTO 078 – NAS CECIL FIELD
SDG F7107

SAMPLES: 64/Surface Soil

CEF-P51-DUP27	CEF-P51-DUP28
CEF-P51-DUP29	CEF-P51-DUP30
CEF-P51-DUP31	CEF-P51-SS-148
CEF-P51-SS-149	CEF-P51-SS-150
CEF-P51-SS-196	CEF-P51-SS-206
CEF-P51-SS-207	CEF-P51-SS-208
CEF-P51-SS-210	CEF-P51-SS-232
CEF-P51-SS-245	CEF-P51-SS-255
CEF-P51-SS-256	CEF-P51-SS-257
CEF-P51-SS-258	CEF-P51-SS-259
CEF-P51-SS-263	CEF-P51-SS-264
CEF-P51-SS-273	CEF-P51-SS-274
CEF-P51-SS-275	CEF-P51-SS-276
CEF-P51-SS-277	CEF-P51-SS-278
CEF-P51-SS-279	CEF-P51-SS-280
CEF-P51-SS-284	CEF-P51-SS-287
CEF-P51-SS-288	CEF-P51-SS-289
CEF-P51-SS-290	CEF-P51-SS-291
CEF-P51-SS-292	CEF-P51-SS-293
CEF-P51-SS-297	CEF-P51-SS-298
CEF-P51-SS-299	CEF-P51-SS-300
CEF-P51-SS-301	CEF-P51-SS-303
CEF-P51-SS-304	CEF-P51-SS-308
CEF-P51-SS-309	CEF-P51-SS-310
CEF-P51-SS-311	CEF-P51-SS-312
CEF-P51-SS-313	CEF-P51-SS-314
CEF-P51-SS-318	CEF-P51-SS-319
CEF-P51-SS-320	CEF-P51-SS-321
CEF-P51-SS-322	CEF-P51-SS-325
CEF-P51-SS-326	CEF-P51-SS-327
CEF-P51-SS-328	CEF-P51-SS-331
CEF-P51-SS-332	CEF-P51-SS-272

MEMO TO: MARK SPERANZA
DATE: AUGUST 31, 2000 – PAGE 2

OVERVIEW

The sample set for CTO 078, SDG F7107 Naval Air Station (NAS) Cecil Field; Florida consists of sixty-four (64) surface soil environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide organic compounds. Five (5) field duplicate pairs (CEF-P51-SS-148/CEF-P51-DUP27, CEF-P51-SS-313/CEF-P51-DUP28, CEF-P51-SS-276/CEF-P51-DUP29, CEF-P51-SS-274/CEF-P51-DUP30, and CEF-P51-SS-292/CEF-P51-DUP31) were included within this SDG.

The samples were collected by Tetra Tech, NUS on July 18th and 19th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

The following samples were analyzed at a dilution thus causing elevated reporting limits:

Sample	Dilution
CEF-P51-DUP27	10X
CEF-P51-DUP31	20X
CEF-P51-SS-148	10X
CEF-P51-SS-259	4X
CEF-P51-SS-280	10X
CEF-P51-SS-292	10X
CEF-P51-SS-297	10X
CEF-P51-SS-299	25X
CEF-P51-SS-311	4X

The field duplicate pair (CEF-P51-SS-292/CEF-P51-DUP31) Relative Percent Differences (RPDs) exceeded the 50% quality control limits for alpha-Chlordane, Chlordane, Dieldrin, and gamma-Chlordane. The positive results were qualified as estimated, (J), in the aforementioned pair.

It should be noted that the laboratory did not provide the Form Xs in the pesticide fraction. The laboratory was notified and as a result was providing the Form Xs.

It should be noted that several compounds in several samples were analyzed at a dilution in addition to the original analysis or dilution. The laboratory claimed matrix interference was responsible for the dilutions. The dilutions primarily affected DDT and Methoxychlor. Sample detection limits were elevated for these and other compounds.

It should be noted that sample CEF-P51-SS-272 was missing from the electronic data. The reviewer added the aforementioned sample to the electronic data.

ADDITIONAL COMMENTS

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: The laboratory did not provide the Form Xs.

Other Factors Affecting Data Quality: Several samples were analyzed at a dilution thus causing elevated reporting limits in all fractions.

MEMO TO: MARK SPERANZA
DATE: AUGUST 31, 2000 – PAGE 4

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-DUP27			CEF-P51-DUP28			CEF-P51-DUP29			CEF-P51-DUP30		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-56			F7107-57			F7107-58			F7107-59		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.3 %			85.0 %			88.9 %			92.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-148			CEF-P51-SS-313			CEF-P51-SS-276			CEF-P51-SS-274		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	38	U		3.9	U		3.8	U		3.6	U	
4,4'-DDE	7.1	J	P	3.9	U		3.8	U		3.6	U	
4,4'-DDT	38	U		39	U		38	U		36	U	
ALDRIN	19	U		2.0	U		1.9	U		1.8	U	
ALPHA-BHC	19	U		2.0	U		1.9	U		1.8	U	
ALPHA-CHLORDANE	15.7	J	P	3.9	U		3.8	U		3.6	U	
BETA-BHC	19	U		2.0	U		1.9	U		1.8	U	
CHLORDANE	278	J	P	20	U		19	U		18	U	
DELTA-BHC	19	U		2.0	U		1.9	U		1.8	U	
DIELDRIN	109			2.0	U		1.9	U		1.8	U	
ENDOSULFAN I	19	U		2.0	U		1.9	U		1.8	U	
ENDOSULFAN II	38	U		3.9	U		3.8	U		3.6	U	
ENDOSULFAN SULFATE	38	U		3.9	U		3.8	U		3.6	U	
ENDRIN	38	U		3.9	U		3.8	U		3.6	U	
ENDRIN ALDEHYDE	38	U		3.9	U		3.8	U		3.6	U	
ENDRIN KETONE	38	U		39	U		38	U		36	U	
GAMMA-BHC (LINDANE)	19	U		20	U		19	U		18	U	
GAMMA-CHLORDANE	38	U		3.9	U		3.8	U		3.6	U	
HEPTACHLOR	19	U		20	U		19	U		18	U	
HEPTACHLOR EPOXIDE	19	U		2.0	U		1.9	U		1.8	U	
METHOXYCHLOR	75	U		78	U		75	U		72	U	
TOXAPHENE	1900	U		200	U		190	U		180	U	

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SAMPLE NUMBER:	CEF-P51-DUP31			CEF-P51-SS-148			CEF-P51-SS-149			CEF-P51-SS-150		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-60			F7107-1			F7107-2			F7107-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.5 %			88.8 %			90.2 %			84.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-292											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	72	U		38	U		3.7	U		3.9	U	
4,4'-DDE	72	U		38	U		3.7	U		3.9	U	
4,4'-DDT	72	U		38	U		37	U		39	U	
ALDRIN	36	U		19	U		1.8	U		2.0	U	
ALPHA-BHC	36	U		19	U		1.8	U		2.0	U	
ALPHA-CHLORDANE	46.9	J	GP	38	U		3.7	U		3.9	U	
BETA-BHC	36	U		19	U		1.8	U		2.0	U	
CHLORDANE	431	J	G	190	U		18	U		20	U	
DELTA-BHC	36	U		19	U		1.8	U		2.0	U	
DIELDRIN	322	J	G	149			5.8			1.3	J	P
ENDOSULFAN I	36	U		19	U		1.8	U		2.0	U	
ENDOSULFAN II	72	U		38	U		3.7	U		3.9	U	
ENDOSULFAN SULFATE	72	U		38	U		3.7	U		3.9	U	
ENDRIN	72	U		38	U		3.7	U		3.9	U	
ENDRIN ALDEHYDE	72	U		38	U		3.7	U		3.9	U	
ENDRIN KETONE	72	U		38	U		3.7	U		3.9	U	
GAMMA-BHC (LINDANE)	36	U		19	U		1.8	U		2.0	U	
GAMMA-CHLORDANE	26.6	J	GP	38	U		3.7	U		3.9	U	
HEPTACHLOR	36	U		19	U		1.8	U		2.0	U	
HEPTACHLOR EPOXIDE	36	U		19	U		1.8	U		2.0	U	
METHOXYCHLOR	140	U		75	U		74	U		79	U	
TOXAPHENE	3600	U		1900	U		180	U		200	U	

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SAMPLE NUMBER:	CEF-P51-SS-196			CEF-P51-SS-206			CEF-P51-SS-207			CEF-P51-SS-208		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-20			F7107-21			F7107-22			F7107-23		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.5 %			90.5 %			90.4 %			94.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.7	U		3.7	U		3.5	U	
4,4'-DDE	3.7	U		3.7	U		3.7	U		3.5	U	
4,4'-DDT	37	U		37	U		37	U		35	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.7	U		3.7	U		3.7	U		3.5	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
CHLORDANE	18	U		18	U		18	U		18	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.8	U	
ENDOSULFAN II	3.7	U		3.7	U		3.7	U		3.5	U	
ENDOSULFAN SULFATE	3.7	U		3.7	U		3.7	U		3.5	U	
ENDRIN	3.7	U		3.7	U		3.7	U		3.5	U	
ENDRIN ALDEHYDE	3.7	U		3.7	U		3.7	U		3.5	U	
ENDRIN KETONE	3.7	U		3.7	U		3.7	U		3.5	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.7	U		3.7	U		3.7	U		3.5	U	
HEPTACHLOR	1.8	U		1.8	U		1.8	U		1.8	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.8	U	
METHOXYCHLOR	74	U		74	U		74	U		70	U	
TOXAPHENE	180	U		180	U		180	U		180	U	

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SAMPLE NUMBER:	CEF-P51-SS-210			CEF-P51-SS-232			CEF-P51-SS-245			CEF-P51-SS-255		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-25			F7107-24			F7107-26			F7107-38		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	77.6 %			92.2 %			73.7 %			89.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.3	U		3.6	U		4.5	U		3.7	U	
4,4'-DDE	4.3	U		3.6	U		4.5	U		3.7	U	
4,4'-DDT	43	U		36	U		45	U		74	U	
ALDRIN	2.1	U		1.8	U		2.3	U		1.9	U	
ALPHA-BHC	2.1	U		1.8	U		2.3	U		1.9	U	
ALPHA-CHLORDANE	4.3	U		3.6	U		4.5	U		3.7	U	
BETA-BHC	2.1	U		1.8	U		2.3	U		1.9	U	
CHLORDANE	21	U		18	U		23	U		19	U	
DELTA-BHC	2.1	U		1.8	U		2.3	U		1.9	U	
DIELDRIN	2.1	U		1.8	U		2.3	U		1.9	U	
ENDOSULFAN I	2.1	U		1.8	U		2.3	U		1.9	U	
ENDOSULFAN II	4.3	U		3.6	U		4.5	U		3.7	U	
ENDOSULFAN SULFATE	4.3	U		3.6	U		4.5	U		3.7	U	
ENDRIN	4.3	U		3.6	U		4.5	U		3.7	U	
ENDRIN ALDEHYDE	4.3	U		3.6	U		4.5	U		3.7	U	
ENDRIN KETONE	43	U		36	U		45	U		37	U	
GAMMA-BHC (LINDANE)	21	U		18	U		23	U		19	U	
GAMMA-CHLORDANE	4.3	U		3.6	U		4.5	U		3.7	U	
HEPTACHLOR	21	U		18	U		23	U		19	U	
HEPTACHLOR EPOXIDE	2.1	U		1.8	U		2.3	U		1.9	U	
METHOXYCHLOR	86	U		72	U		90	U		75	U	
TOXAPHENE	210	U		180	U		230	U		190	U	

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SAMPLE NUMBER:	CEF-P51-SS-256			CEF-P51-SS-257			CEF-P51-SS-258			CEF-P51-SS-259		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-36			F7107-35			F7107-34			F7107-33		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	82.2 %			85.5 %			94.9 %			60.1 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.0	U		3.9	U		3.5	U		22	U	
4,4'-DDE	4.0	U		0.86	J	P	2.9	J	P	22	U	
4,4'-DDT	80	U		78	U		70	U		110	U	
ALDRIN	2.0	U		1.9	U		1.8	U		11	U	
ALPHA-BHC	2.0	U		1.9	U		1.8	U		11	U	
ALPHA-CHLORDANE	4.0	U		3.1	J	P	3.5	U		22	U	
BETA-BHC	2.0	U		1.9	U		1.8	U		11	U	
CHLORDANE	20	U		190	U		180	U		110	U	
DELTA-BHC	2.0	U		1.9	U		1.8	U		11	U	
DIELDRIN	2.0	U		1.9	U		1.8	U		73.4		
ENDOSULFAN I	2.0	U		1.9	U		1.8	U		11	U	
ENDOSULFAN II	4.0	U		3.9	U		3.5	U		22	U	
ENDOSULFAN SULFATE	4.0	U		3.9	U		3.5	U		22	U	
ENDRIN	4.0	U		3.9	U		3.5	U		22	U	
ENDRIN ALDEHYDE	4.0	U		3.9	U		3.5	U		22	U	
ENDRIN KETONE	40	U		3.9	U		3.5	U		55	U	
GAMMA-BHC (LINDANE)	20	U		1.9	U		1.8	U		28	U	
GAMMA-CHLORDANE	4.0	U		4.4			1.1	J	P	22	U	
HEPTACHLOR	20	U		1.9	U		1.8	U		28	U	
HEPTACHLOR EPOXIDE	2.0	U		1.4	J	P	1.8	U		11	U	
METHOXYCHLOR	81	U		78	U		70	U		110	U	
TOXAPHENE	200	U		190	U		180	U		1100	U	

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SAMPLE NUMBER:	CEF-P51-SS-263			CEF-P51-SS-264			CEF-P51-SS-272			CEF-P51-SS-273		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-31			F7107-32			F7107-37			F7107-39		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.1 %			90.2 %			93.2 %			86.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		3.7	U		3.6	U		3.8	U	
4,4'-DDE	3.7	U		3.7	U		3.6	U		3.8	U	
4,4'-DDT	37	U		74	U		72	U		76	U	
ALDRIN	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.7	U		3.7	U		3.6	U		3.8	U	
BETA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	19	U		18	U		18	U		19	U	
DELTA-BHC	1.9	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	1.9	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN I	1.9	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.7	U		3.7	U		3.6	U		3.8	U	
ENDOSULFAN SULFATE	3.7	U		3.7	U		3.6	U		3.8	U	
ENDRIN	3.7	U		3.7	U		3.6	U		3.8	U	
ENDRIN ALDEHYDE	3.7	U		3.7	U		3.6	U		3.8	U	
ENDRIN KETONE	37	U		37	U		36	U		38	U	
GAMMA-BHC (LINDANE)	19	U		18	U		18	U		19	U	
GAMMA-CHLORDANE	3.7	U		3.7	U		3.6	U		3.8	U	
HEPTACHLOR	19	U		18	U		18	U		19	U	
HEPTACHLOR EPOXIDE	1.9	U		1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	75	U		74	U		71	U		77	U	
TOXAPHENE	190	U		180	U		180	U		190	U	

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SAMPLE NUMBER:	CEF-P51-SS-274			CEF-P51-SS-275			CEF-P51-SS-276			CEF-P51-SS-277		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-42			F7107-29			F7107-28			F7107-30		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.3 %			89.2 %			88.9 %			87.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.7	U		3.8	U		3.8	U	
4,4'-DDE	3.6	U		3.7	U		3.8	U		3.8	U	
4,4'-DDT	36	U		37	U		38	U		38	U	
ALDRIN	1.8	U		1.9	U		1.9	U		1.9	U	
ALPHA-BHC	1.8	U		1.9	U		1.9	U		1.9	U	
ALPHA-CHLORDANE	3.6	U		3.7	U		3.8	U		3.8	U	
BETA-BHC	1.8	U		1.9	U		1.9	U		1.9	U	
CHLORDANE	18	U		19	U		19	U		19	U	
DELTA-BHC	1.8	U		1.9	U		1.9	U		1.9	U	
DIELDRIN	1.8	U		1.9	U		1.9	U		1.9	U	
ENDOSULFAN I	1.8	U		1.9	U		1.9	U		1.9	U	
ENDOSULFAN II	3.6	U		3.7	U		3.8	U		3.8	U	
ENDOSULFAN SULFATE	3.6	U		3.7	U		3.8	U		3.8	U	
ENDRIN	3.6	U		3.7	U		3.8	U		3.8	U	
ENDRIN ALDEHYDE	3.6	U		3.7	U		3.8	U		3.8	U	
ENDRIN KETONE	3.6	U		37	U		38	U		38	U	
GAMMA-BHC (LINDANE)	1.8	U		19	U		19	U		19	U	
GAMMA-CHLORDANE	3.6	U		3.7	U		3.8	U		3.8	U	
HEPTACHLOR	18	U		19	U		19	U		19	U	
HEPTACHLOR EPOXIDE	1.8	U		1.9	U		1.9	U		1.9	U	
METHOXYCHLOR	72	U		75	U		75	U		76	U	
TOXAPHENE	180	U		190	U		190	U		190	U	

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SAMPLE NUMBER:	CEF-P51-SS-278			CEF-P51-SS-279			CEF-P51-SS-280			CEF-P51-SS-284		
SAMPLE DATE:	07/18/00			07/18/00			07/19/00			07/19/00		
LABORATORY ID:	F7107-27			F7107-44			F7107-62			F7107-64		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.7 %			89.1 %			87.8 %			93.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.9	U		3.7	U		38	U		3.6	U	
4,4'-DDE	3.9	U		3.7	U		38	U		3.6	U	
4,4'-DDT	39	U		37	U		38	U		36	U	
ALDRIN	1.9	U		1.9	U		19	U		1.8	U	
ALPHA-BHC	1.9	U		1.9	U		19	U		1.8	U	
ALPHA-CHLORDANE	3.9	U		3.7	U		77.4			3.6	U	
BETA-BHC	1.9	U		1.9	U		19	U		1.8	U	
CHLORDANE	19	U		19	U		1130	J	P	18	U	
DELTA-BHC	1.9	U		1.9	U		19	U		1.8	U	
DIELDRIN	1.9	U		1.9	U		199			10.1		
ENDOSULFAN I	1.9	U		1.9	U		19	U		1.8	U	
ENDOSULFAN II	3.9	U		3.7	U		38	U		3.6	U	
ENDOSULFAN SULFATE	3.9	U		3.7	U		38	U		3.6	U	
ENDRIN	3.9	U		3.7	U		38	U		3.6	U	
ENDRIN ALDEHYDE	3.9	U		3.7	U		38	U		3.6	U	
ENDRIN KETONE	39	U		37	U		38	U		3.6	U	
GAMMA-BHC (LINDANE)	19	U		19	U		19	U		1.8	U	
GAMMA-CHLORDANE	3.9	U		3.7	U		22	J	P	3.6	U	
HEPTACHLOR	19	U		19	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.9	U		1.9	U		19	U		1.8	U	
METHOXYCHLOR	78	U		75	U		76	U		71	U	
TOXAPHENE	190	U		190	U		1900	U		180	U	

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SAMPLE NUMBER:	CEF-P51-SS-287			CEF-P51-SS-288			CEF-P51-SS-289			CEF-P51-SS-290		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-40			F7107-41			F7107-43			F7107-48		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.0 %			91.8 %			91.5 %			89.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		3.6	U		3.6	U		3.7	U	
4,4'-DDE	3.6	U		3.6	U		3.6	U		3.7	U	
4,4'-DDT	36	U		36	U		36	U		37	U	
ALDRIN	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.6	U		3.6	U		3.6	U		3.7	U	
BETA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
CHLORDANE	18	U		18	U		18	U		19	U	
DELTA-BHC	1.8	U		1.8	U		1.8	U		1.9	U	
DIELDRIN	1.2	J	P	1.8	U		1.8	U		1.9	U	
ENDOSULFAN I	1.8	U		1.8	U		1.8	U		1.9	U	
ENDOSULFAN II	3.6	U		3.6	U		3.6	U		3.7	U	
ENDOSULFAN SULFATE	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN ALDEHYDE	3.6	U		3.6	U		3.6	U		3.7	U	
ENDRIN KETONE	3.6	U		3.6	U		3.6	U		37	U	
GAMMA-BHC (LINDANE)	1.8	U		1.8	U		1.8	U		19	U	
GAMMA-CHLORDANE	3.6	U		3.6	U		3.6	U		3.7	U	
HEPTACHLOR	18	U		18	U		18	U		19	U	
HEPTACHLOR EPOXIDE	1.8	U		1.8	U		1.8	U		1.9	U	
METHOXYCHLOR	72	U		73	U		73	U		75	U	
TOXAPHENE	180	U		180	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-291			CEF-P51-SS-292			CEF-P51-SS-293			CEF-P51-SS-297		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-47			F7107-46			F7107-45			F7107-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.0 %			93.6 %			86.8 %			93.8 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		36	U		3.8	U		36	U	
4,4'-DDE	3.7	U		36	U		3.8	U		36	U	
4,4'-DDT	37	U		36	U		38	U		36	U	
ALDRIN	1.8	U		18	U		1.9	U		18	U	
ALPHA-BHC	1.8	U		18	U		1.9	U		18	U	
ALPHA-CHLORDANE	3.7	U		19.2	J	GP	3.8	U		36	U	
BETA-BHC	1.8	U		18	U		1.9	U		18	U	
CHLORDANE	18	U		243	J	G	19	U		180	U	
DELTA-BHC	1.8	U		18	U		1.9	U		18	U	
DIELDRIN	1.8	U		110	J	G	1.9	U		18	U	
ENDOSULFAN I	1.8	U		18	U		1.9	U		18	U	
ENDOSULFAN II	3.7	U		36	U		3.8	U		36	U	
ENDOSULFAN SULFATE	3.7	U		36	U		3.8	U		36.	U	
ENDRIN	3.7	U		36	U		3.8	U		36	U	
ENDRIN ALDEHYDE	3.7	U		36	U		3.8	U		36	U	
ENDRIN KETONE	37	U		36	U		38	U		36	U	
GAMMA-BHC (LINDANE)	18	U		18	U		19	U		18	U	
GAMMA-CHLORDANE	3.7	U		10.8	J	GP	3.8	U		36	U	
HEPTACHLOR	18	U		18	U		19	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		18	U		1.9	U		18	U	
METHOXYCHLOR	74	U		71	U		77	U		71	U	
TOXAPHENE	180	U		1800	U		190	U		1800	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-298			CEF-P51-SS-299			CEF-P51-SS-300			CEF-P51-SS-301		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-5			F7107-6			F7107-51			F7107-16		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.4 %			88.1 %			92.6 %			93.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.6	U		94	U		3.6	U		3.6	U	
4,4'-DDE	3.6	U		94	U		3.6	U		3.6	U	
4,4'-DDT	36	U		94	U		36	U		36	U	
ALDRIN	1.8	U		47	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		47	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.6	U		94	U		3.6	U		3.6	U	
BETA-BHC	1.8	U		47	U		1.8	U		1.8	U	
CHLORDANE	18	U		470	U		18	U		18	U	
DELTA-BHC	1.8	U		47	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		443			1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		47	U		1.8	U		1.8	U	
ENDOSULFAN II	3.6	U		94	U		3.6	U		3.6	U	
ENDOSULFAN SULFATE	3.6	U		94	U		3.6	U		3.6	U	
ENDRIN	3.6	U		94	U		3.6	U		3.6	U	
ENDRIN ALDEHYDE	3.6	U		94	U		3.6	U		3.6	U	
ENDRIN KETONE	3.6	U		94	U		36	U		3.6	U	
GAMMA-BHC (LINDANE)	1.8	U		47	U		18	U		1.8	U	
GAMMA-CHLORDANE	3.6	U		94	U		3.6	U		3.6	U	
HEPTACHLOR	1.8	U		47	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		47	U		1.8	U		1.8	U	
METHOXYCHLOR	71	U		190	U		72	U		71	U	
TOXAPHENE	180	U		4700	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-303			CEF-P51-SS-304			CEF-P51-SS-308			CEF-P51-SS-309		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-12			F7107-50			F7107-7			F7107-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.8 %			85.0 %			93.6 %			87.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.9	U		3.6	U		3.8	U	
4,4'-DDE	3.5	U		3.9	U		3.6	U		3.8	U	
4,4'-DDT	35	U		39	U		36	U		38	U	
ALDRIN	1.8	U		2.0	U		1.8	U		1.9	U	
ALPHA-BHC	1.8	U		2.0	U		1.8	U		1.9	U	
ALPHA-CHLORDANE	3.5	U		3.9	U		3.6	U		3.8	U	
BETA-BHC	1.8	U		2.0	U		1.8	U		1.9	U	
CHLORDANE	18	U		20	U		18	U		19	U	
DELTA-BHC	1.8	U		2.0	U		1.8	U		1.9	U	
DIELDRIN	1.8	U		2.0	U		1.8	U		1.9	U	
ENDOSULFAN I	1.8	U		2.0	U		1.8	U		1.9	U	
ENDOSULFAN II	3.5	U		3.9	U		3.6	U		3.8	U	
ENDOSULFAN SULFATE	3.5	U		3.9	U		3.6	U		3.8	U	
ENDRIN	3.5	U		3.9	U		3.6	U		3.8	U	
ENDRIN ALDEHYDE	3.5	U		3.9	U		3.6	U		3.8	U	
ENDRIN KETONE	3.5	U		39	U		3.6	U		3.8	U	
GAMMA-BHC (LINDANE)	1.8	U		20	U		1.8	U		1.9	U	
GAMMA-CHLORDANE	3.5	U		3.9	U		3.6	U		3.8	U	
HEPTACHLOR	18	U		20	U		1.8	U		19	U	
HEPTACHLOR EPOXIDE	1.8	U		2.0	U		1.8	U		1.9	U	
METHOXYCHLOR	70	U		78	U		71	U		76	U	
TOXAPHENE	180	U		200	U		180	U		190	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-310			CEF-P51-SS-311			CEF-P51-SS-312			CEF-P51-SS-313		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-9			F7107-10			F7107-11			F7107-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.7 %			88.5 %			88.6 %			83.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	36	U		15	U		3.8	U		4.0	U	
4,4'-DDE	36	U		15	U		3.8	U		4.0	U	
4,4'-DDT	36	U		15	U		38	U		40	U	
ALDRIN	18	U		7.6	U		1.9	U		2.0	U	
ALPHA-BHC	18	U		7.6	U		1.9	U		2.0	U	
ALPHA-CHLORDANE	36	U		15	U		3.8	U		4.0	U	
BETA-BHC	18	U		7.6	U		1.9	U		2.0	U	
CHLORDANE	180	U		76	U		19	U		20	U	
DELTA-BHC	18	U		7.6	U		1.9	U		2.0	U	
DIELDRIN	137			73.5			1.9	U		2.0	U	
ENDOSULFAN I	18	U		7.6	U		1.9	U		2.0	U	
ENDOSULFAN II	36	U		15	U		3.8	U		4.0	U	
ENDOSULFAN SULFATE	36	U		15	U		3.8	U		4.0	U	
ENDRIN	36	U		15	U		3.8	U		4.0	U	
ENDRIN ALDEHYDE	36	U		15	U		3.8	U		4.0	U	
ENDRIN KETONE	36	U		15	U		3.8	U		4.0	U	
GAMMA-BHC (LINDANE)	18	U		7.6	U		1.9	U		2.0	U	
GAMMA-CHLORDANE	36	U		15	U		3.8	U		4.0	U	
HEPTACHLOR	18	U		7.6	U		19	U		20	U	
HEPTACHLOR EPOXIDE	18	U		7.6	U		1.9	U		2.0	U	
METHOXYCHLOR	72	U		30	U		75	U		80	U	
TOXAPHENE	1800	U		760	U		190	U		200	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-314			CEF-P51-SS-318			CEF-P51-SS-319			CEF-P51-SS-320		
SAMPLE DATE:	07/18/00			07/19/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-49			F7107-63			F7107-17			F7107-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.0 %			79.1 %			89.9 %			93.7 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.7	U		4.2	U		3.7	U		3.6	U	
4,4'-DDE	3.7	U		4.2	U		3.7	U		3.6	U	
4,4'-DDT	37	U		42	U		37	U		36	U	
ALDRIN	1.8	U		2.1	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		2.1	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.7	U		4.2	U		3.7	U		3.6	U	
BETA-BHC	1.8	U		2.1	U		1.8	U		1.8	U	
CHLORDANE	18	U		21	U		18	U		18	U	
DELTA-BHC	1.8	U		2.1	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		2.1	U		18.4			1.8	U	
ENDOSULFAN I	1.8	U		2.1	U		1.8	U		1.8	U	
ENDOSULFAN II	3.7	U		4.2	U		3.7	U		3.6	U	
ENDOSULFAN SULFATE	3.7	U		4.2	U		3.7	U		3.6	U	
ENDRIN	3.7	U		4.2	U		3.7	U		3.6	U	
ENDRIN ALDEHYDE	3.7	U		4.2	U		3.7	U		3.6	U	
ENDRIN KETONE	37	U		4.2	U		3.7	U		3.6	U	
GAMMA-BHC (LINDANE)	18	U		2.1	U		1.8	U		1.8	U	
GAMMA-CHLORDANE	3.7	U		4.2	U		3.7	U		3.6	U	
HEPTACHLOR	18	U		21	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		2.1	U		1.8	U		1.8	U	
METHOXYCHLOR	73	U		84	U		74	U		71	U	
TOXAPHENE	180	U		210	U		180	U		180	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-321			CEF-P51-SS-322			CEF-P51-SS-325			CEF-P51-SS-326		
SAMPLE DATE:	07/18/00			07/18/00			07/19/00			07/18/00		
LABORATORY ID:	F7107-19			F7107-14			F7107-61			F7107-52		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.6 %			88.6 %			88.3 %			82.3 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.8	U		3.8	U		4.0	U	
4,4'-DDE	3.5	U		3.8	U		3.8	U		4.0	U	
4,4'-DDT	35	U		38	U		38	U		40	U	
ALDRIN	1.8	U		1.9	U		1.9	U		2.0	U	
ALPHA-BHC	1.8	U		1.9	U		1.9	U		2.0	U	
ALPHA-CHLORDANE	3.5	U		3.8	U		3.8	U		4.0	U	
BETA-BHC	1.8	U		1.9	U		1.9	U		2.0	U	
CHLORDANE	18	U		19	U		19	U		20	U	
DELTA-BHC	1.8	U		1.9	U		1.9	U		2.0	U	
DIELDRIN	1.8	U		1.9	U		1.9	U		2.0	U	
ENDOSULFAN I	1.8	U		1.9	U		1.9	U		2.0	U	
ENDOSULFAN II	3.5	U		3.8	U		3.8	U		4.0	U	
ENDOSULFAN SULFATE	3.5	U		3.8	U		3.8	U		4.0	U	
ENDRIN	3.5	U		3.8	U		3.8	U		4.0	U	
ENDRIN ALDEHYDE	3.5	U		3.8	U		3.8	U		4.0	U	
ENDRIN KETONE	3.5	U		3.8	U		3.8	U		40	U	
GAMMA-BHC (LINDANE)	1.8	U		1.9	U		1.9	U		20	U	
GAMMA-CHLORDANE	3.5	U		3.8	U		3.8	U		4.0	U	
HEPTACHLOR	18	U		19	U		19	U		20	U	
HEPTACHLOR EPOXIDE	1.8	U		1.9	U		1.9	U		2.0	U	
METHOXYCHLOR	70	U		75	U		75	U		81	U	
TOXAPHENE	180	U		190	U		190	U		200	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-327			CEF-P51-SS-328			CEF-P51-SS-331			CEF-P51-SS-332		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-53			F7107-15			F7107-54			F7107-55		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.5 %			88.4 %			90.8 %			93.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	3.5	U		3.8	U		3.7	U		3.6	U	
4,4'-DDE	3.5	U		3.8	U		3.7	U		3.6	U	
4,4'-DDT	35	U		38	U		37	U		36	U	
ALDRIN	1.8	U		1.9	U		1.8	U		1.8	U	
ALPHA-BHC	1.8	U		1.9	U		1.8	U		1.8	U	
ALPHA-CHLORDANE	3.5	U		3.8	U		3.7	U		3.6	U	
BETA-BHC	1.8	U		1.9	U		1.8	U		1.8	U	
CHLORDANE	18	U		19	U		18	U		18	U	
DELTA-BHC	1.8	U		1.9	U		1.8	U		1.8	U	
DIELDRIN	1.8	U		1.9	U		1.8	U		1.8	U	
ENDOSULFAN I	1.8	U		1.9	U		1.8	U		1.8	U	
ENDOSULFAN II	3.5	U		3.8	U		3.7	U		3.6	U	
ENDOSULFAN SULFATE	3.5	U		3.8	U		3.7	U		3.6	U	
ENDRIN	3.5	U		3.8	U		3.7	U		3.6	U	
ENDRIN ALDEHYDE	3.5	U		3.8	U		3.7	U		3.6	U	
ENDRIN KETONE	35	U		3.8	U		37	U		36	U	
GAMMA-BHC (LINDANE)	18	U		1.9	U		18	U		18	U	
GAMMA-CHLORDANE	3.5	U		3.8	U		3.7	U		3.6	U	
HEPTACHLOR	18	U		19	U		18	U		18	U	
HEPTACHLOR EPOXIDE	1.8	U		1.9	U		1.8	U		1.8	U	
METHOXYCHLOR	70	U		75	U		73	U		72	U	
TOXAPHENE	180	U		190	U		180	U		180	U	

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP27		
Lab Sample ID:	F7107-56	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08877.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342
Run #2 [a]	MN08925.D	10	08/18/00	SKW	07/28/00	OP1884	GMN344

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND [b]	19	ug/kg	
319-84-6	alpha-BHC	ND [b]	19	ug/kg	
319-85-7	beta-BHC	ND [b]	19	ug/kg	
319-86-8	delta-BHC	ND [b]	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane [c]	278 [b]	190	ug/kg	J
5103-71-9	alpha-Chlordane	15.7 [b]	38	ug/kg	J
5103-74-2	gamma-Chlordane	ND [b]	38	ug/kg	
60-57-1	Dieldrin	109 [b]	19	ug/kg	
72-54-8	4,4'-DDD	ND [b]	38	ug/kg	
72-55-9	4,4'-DDE	7.1 [b]	38	ug/kg	J
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND [b]	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND [b]	38	ug/kg	
7421-93-4	Endrin aldehyde	ND [b]	38	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND [b]	19	ug/kg	
33213-65-9	Endosulfan-II	ND [b]	38	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND [b]	19	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND [b]	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	156% [d]	158% [d]	50-144%
2051-24-3	Decachlorobiphenyl	180%	168%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2
(c) Estimated value due to the presence of multiple interfering peaks.
(d) Outside control limits due to dilution.

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP28		
Lab Sample ID:	F7107-57	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08913.D	1	08/18/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08878.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	20	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND [b]	39	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	78	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%	127%	50-144%
2051-24-3	Decachlorobiphenyl	52%	128%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP29		
Lab Sample ID:	F7107-58	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08914.D	1	08/18/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08879.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	28%	36%	50-144%
2051-24-3	Decachlorobiphenyl	18%	45%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP30		
Lab Sample ID:	F7107-59	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08915.D	1	08/18/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08880.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	50%	64%	50-144%
2051-24-3	Decachlorobiphenyl	29%	73%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-DUP31		
Lab Sample ID:	F7107-60	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06856.D	20	08/17/00	SKW	07/31/00	OP1886	GST244
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	36	ug/kg	
319-84-6	alpha-BHC	ND	36	ug/kg	
319-85-7	beta-BHC	ND	36	ug/kg	
319-86-8	delta-BHC	ND	36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	36	ug/kg	
12789-03-6	Chlordane [b]	431	360	ug/kg	J
5103-71-9	alpha-Chlordane	46.9	72	ug/kg	J
5103-74-2	gamma-Chlordane	26.6	72	ug/kg	J
60-57-1	Dieldrin	322	36	ug/kg	
72-54-8	4,4'-DDD	ND	72	ug/kg	
72-55-9	4,4'-DDE	ND	72	ug/kg	
50-29-3	4,4'-DDT	ND	72	ug/kg	
72-20-8	Endrin	ND	72	ug/kg	
1031-07-8	Endosulfan sulfate	ND	72	ug/kg	
7421-93-4	Endrin aldehyde	ND	72	ug/kg	
53494-70-5	Endrin ketone	ND	72	ug/kg	
959-98-8	Endosulfan-I	ND	36	ug/kg	
33213-65-9	Endosulfan-II	ND	72	ug/kg	
76-44-8	Heptachlor	ND	36	ug/kg	
1024-57-3	Heptachlor epoxide	ND	36	ug/kg	
72-43-5	Methoxychlor	ND	140	ug/kg	
8001-35-2	Toxaphene	ND	3600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-148		
Lab Sample ID:	F7107-1	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06668.D	10	08/11/00	SKW	07/27/00	OP1878	GST239
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane	ND	190	ug/kg	
5103-71-9	alpha-Chlordane	ND	38	ug/kg	
5103-74-2	gamma-Chlordane	ND	38	ug/kg	
60-57-1	Dieldrin	149	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	75	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-144%
2051-24-3	Decachlorobiphenyl	106%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-149		
Lab Sample ID:	F7107-2	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06709.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [b]	ST06669.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	5.8	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	96%	50-144%
2051-24-3	Decachlorobiphenyl	103%	110%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-150		
Lab Sample ID:	F7107-3	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	84.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06710.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [b]	ST06670.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	1.3	2.0	ug/kg	J
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [c]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	79	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	102%	50-144%
2051-24-3	Decachlorobiphenyl	109%	117%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-196		
Lab Sample ID:	F7107-20	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06778.D	1	08/15/00	SKW	07/28/00	OP1882	GST242
Run #2 [a]	ST06744.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	94%	50-144%
2051-24-3	Decachlorobiphenyl	86%	147%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-206		
Lab Sample ID:	F7107-21	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06779.D	1	08/15/00	SKW	07/28/00	OP1882	GST242
Run #2 [a]	ST06745.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	94%	50-144%
2051-24-3	Decachlorobiphenyl	87%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-207		
Lab Sample ID:	F7107-22	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06780.D	1	08/15/00	SKW	07/28/00	OP1882	GST242
Run #2 [a]	ST06746.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	87%	50-144%
2051-24-3	Decachlorobiphenyl	71%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-208		
Lab Sample ID:	F7107-23	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06781.D	1	08/15/00	SKW	07/28/00	OP1882	GST242
Run #2 [a]	ST06747.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%	92%	50-144%
2051-24-3	Decachlorobiphenyl	74%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-210		
Lab Sample ID:	F7107-25	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06830.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06753.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	21	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND [b]	43	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND [b]	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [b]	86	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	83%	50-144%
2051-24-3	Decachlorobiphenyl	84%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-232		
Lab Sample ID:	F7107-24	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06829.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06752.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	98%	50-144%
2051-24-3	Decachlorobiphenyl	107%	140%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-245		
Lab Sample ID:	F7107-26	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	73.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06831.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06754.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.3	ug/kg	
319-84-6	alpha-BHC	ND	2.3	ug/kg	
319-85-7	beta-BHC	ND	2.3	ug/kg	
319-86-8	delta-BHC	ND	2.3	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	23	ug/kg	
12789-03-6	Chlordane	ND	23	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.5	ug/kg	
60-57-1	Dieldrin	ND	2.3	ug/kg	
72-54-8	4,4'-DDD	ND	4.5	ug/kg	
72-55-9	4,4'-DDE	ND	4.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	45	ug/kg	
72-20-8	Endrin	ND	4.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	45	ug/kg	
959-98-8	Endosulfan-I	ND	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	4.5	ug/kg	
76-44-8	Heptachlor	ND [b]	23	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.3	ug/kg	
72-43-5	Methoxychlor	ND [b]	90	ug/kg	
8001-35-2	Toxaphene	ND	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%	82%	50-144%
2051-24-3	Decachlorobiphenyl	76%	127%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-255		
Lab Sample ID:	F7107-38	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06845.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06768.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT [c]	ND [b]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	94%	50-144%
2051-24-3	Decachlorobiphenyl	68%	131%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-256		
Lab Sample ID:	F7107-36	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	82.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06843.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06766.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	20	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT [c]	ND [b]	80	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND [b]	40	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	81	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	86%	50-144%
2051-24-3	Decachlorobiphenyl	66%	134%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-257		
Lab Sample ID:	F7107-35	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06862.D	1	08/17/00	SKW	07/28/00	OP1882	GST244
Run #2 [b]	ST06765.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND [c]	190	ug/kg	
5103-71-9	alpha-Chlordane	3.1	3.9	ug/kg	J
5103-74-2	gamma-Chlordane	4.4	3.9	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	0.86	3.9	ug/kg	J
50-29-3	4,4'-DDT [d]	ND [c]	78	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND	1.9	ug/kg	
1024-57-3	Heptachlor epoxide	1.4	1.9	ug/kg	J
72-43-5	Methoxychlor	ND [c]	78	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	95%	50-144%
2051-24-3	Decachlorobiphenyl	112%	141%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-258		
Lab Sample ID:	F7107-34	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06861.D	1	08/17/00	SKW	07/28/00	OP1882	GST244
Run #2 [b]	ST06764.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND [c]	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	1.1	3.5	ug/kg	J
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	2.9	3.5	ug/kg	J
50-29-3	4,4'-DDT [d]	ND [c]	70	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	97%	50-144%
2051-24-3	Decachlorobiphenyl	119%	146%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-259		
Lab Sample ID:	F7107-33	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	60.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06840.D	4	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [b]	ST06763.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	11	ug/kg	
319-84-6	alpha-BHC	ND	11	ug/kg	
319-85-7	beta-BHC	ND	11	ug/kg	
319-86-8	delta-BHC	ND	11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [c]	28	ug/kg	
12789-03-6	Chlordane	ND	110	ug/kg	
5103-71-9	alpha-Chlordane	ND	22	ug/kg	
5103-74-2	gamma-Chlordane	ND	22	ug/kg	
60-57-1	Dieldrin	73.4	11	ug/kg	
72-54-8	4,4'-DDD	ND	22	ug/kg	
72-55-9	4,4'-DDE	ND	22	ug/kg	
50-29-3	4,4'-DDT [d]	ND [c]	110	ug/kg	
72-20-8	Endrin	ND	22	ug/kg	
1031-07-8	Endosulfan sulfate	ND	22	ug/kg	
7421-93-4	Endrin aldehyde	ND	22	ug/kg	
53494-70-5	Endrin ketone	ND [c]	55	ug/kg	
959-98-8	Endosulfan-I	ND	11	ug/kg	
33213-65-9	Endosulfan-II	ND	22	ug/kg	
76-44-8	Heptachlor	ND [c]	28	ug/kg	
1024-57-3	Heptachlor epoxide	ND	11	ug/kg	
72-43-5	Methoxychlor	ND [c]	110	ug/kg	
8001-35-2	Toxaphene	ND	1100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%	77%	50-144%
2051-24-3	Decachlorobiphenyl	65%	113%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-263		
Lab Sample ID:	F7107-31	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06838.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06759.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	89%	50-144%
2051-24-3	Decachlorobiphenyl	71%	119%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-264		
Lab Sample ID:	F7107-32	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06839.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06762.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT [c]	ND [b]	74	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%	92%	50-144%
2051-24-3	Decachlorobiphenyl	68%	128%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-272		
Lab Sample ID:	F7107-37	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06844.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06767.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT [c]	ND [b]	72	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%	85%	50-144%
2051-24-3	Decachlorobiphenyl	64%	120%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-273		
Lab Sample ID:	F7107-39	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06846.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06769.D	10	08/15/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT [c]	ND [b]	76	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	98%	50-144%
2051-24-3	Decachlorobiphenyl	67%	148%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-274		
Lab Sample ID:	F7107-42	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08892.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08857.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	106%	50-144%
2051-24-3	Decachlorobiphenyl	70%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-275		
Lab Sample ID:	F7107-29	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06834.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06757.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%	69%	50-144%
2051-24-3	Decachlorobiphenyl	65%	87%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-276		
Lab Sample ID:	F7107-28	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06833.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06756.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%	100%	50-144%
2051-24-3	Decachlorobiphenyl	82%	138%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-277		
Lab Sample ID:	F7107-30	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06835.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06758.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%	82%	50-144%
2051-24-3	Decachlorobiphenyl	75%	165%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-278		
Lab Sample ID:	F7107-27	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06832.D	1	08/16/00	SKW	07/28/00	OP1882	GST243
Run #2 [a]	ST06755.D	10	08/14/00	SKW	07/28/00	OP1882	GST241

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND [b]	39	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	78	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%	82%	50-144%
2051-24-3	Decachlorobiphenyl	73%	122%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-279		
Lab Sample ID:	F7107-44	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08898.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08863.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%	91%	50-144%
2051-24-3	Decachlorobiphenyl	64%	111%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-280		
Lab Sample ID:	F7107-62	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06857.D	10	08/17/00	SKW	07/31/00	OP1886	GST244
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	19	ug/kg	
319-84-6	alpha-BHC	ND	19	ug/kg	
319-85-7	beta-BHC	ND	19	ug/kg	
319-86-8	delta-BHC	ND	19	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	19	ug/kg	
12789-03-6	Chlordane [b]	1130	190	ug/kg	J
5103-71-9	alpha-Chlordane	77.4	38	ug/kg	
5103-74-2	gamma-Chlordane	22.0	38	ug/kg	J
60-57-1	Dieldrin	199	19	ug/kg	
72-54-8	4,4'-DDD	ND	38	ug/kg	
72-55-9	4,4'-DDE	ND	38	ug/kg	
50-29-3	4,4'-DDT	ND	38	ug/kg	
72-20-8	Endrin	ND	38	ug/kg	
1031-07-8	Endosulfan sulfate	ND	38	ug/kg	
7421-93-4	Endrin aldehyde	ND	38	ug/kg	
53494-70-5	Endrin ketone	ND	38	ug/kg	
959-98-8	Endosulfan-I	ND	19	ug/kg	
33213-65-9	Endosulfan-II	ND	38	ug/kg	
76-44-8	Heptachlor	ND	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	19	ug/kg	
72-43-5	Methoxychlor	ND	76	ug/kg	
8001-35-2	Toxaphene	ND	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-144%
2051-24-3	Decachlorobiphenyl	126%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-284		
Lab Sample ID:	F7107-64	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06825.D	1	08/16/00	SKW	07/31/00	OP1886	GST243
Run #2 [b]	ST06817.D	10	08/16/00	SKW	07/31/00	OP1886	GST243

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	10.1	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	92%	50-144%
2051-24-3	Decachlorobiphenyl	94%	134%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-287		
Lab Sample ID:	F7107-40	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08890.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [b]	MN08855.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	1.2	1.8	ug/kg	J
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [c]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	97%	50-144%
2051-24-3	Decachlorobiphenyl	75%	114%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-288		
Lab Sample ID:	F7107-41	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08891.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08856.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%	102%	50-144%
2051-24-3	Decachlorobiphenyl	73%	117%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-289		
Lab Sample ID:	F7107-43	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08893.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08858.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%	99%	50-144%
2051-24-3	Decachlorobiphenyl	68%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-290		
Lab Sample ID:	F7107-48	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08902.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08867.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	103%	50-144%
2051-24-3	Decachlorobiphenyl	92%	176%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-291		
Lab Sample ID:	F7107-47	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08901.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08866.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%	96%	50-144%
2051-24-3	Decachlorobiphenyl	55%	109%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-292		
Lab Sample ID:	F7107-46	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	MN08924.D	10	08/18/00	SKW	07/28/00	OP1884	GMN344
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane [b]	243	180	ug/kg	J
5103-71-9	alpha-Chlordane	19.2	36	ug/kg	J
5103-74-2	gamma-Chlordane	10.8	36	ug/kg	J
60-57-1	Dieldrin	110	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	71	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-144%
2051-24-3	Decachlorobiphenyl	102%		10-180%

(a) All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-293		
Lab Sample ID:	F7107-45	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08899.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08864.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	19	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	38	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	77	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%	97%	50-144%
2051-24-3	Decachlorobiphenyl	61%	110%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-297		
Lab Sample ID:	F7107-4	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06671.D	10	08/11/00	SKW	07/27/00	OP1878	GST239
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	ND	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	71	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		50-144%
2051-24-3	Decachlorobiphenyl	114%		10-180%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-298		
Lab Sample ID:	F7107-5	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06712.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06672.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	107%	50-144%
2051-24-3	Decachlorobiphenyl	102%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-299		
Lab Sample ID:	F7107-6	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06702.D	25	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	47	ug/kg	
319-84-6	alpha-BHC	ND	47	ug/kg	
319-85-7	beta-BHC	ND	47	ug/kg	
319-86-8	delta-BHC	ND	47	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	47	ug/kg	
12789-03-6	Chlordane	ND	470	ug/kg	
5103-71-9	alpha-Chlordane	ND	94	ug/kg	
5103-74-2	gamma-Chlordane	ND	94	ug/kg	
60-57-1	Dieldrin	443	47	ug/kg	
72-54-8	4,4'-DDD	ND	94	ug/kg	
72-55-9	4,4'-DDE	ND	94	ug/kg	
50-29-3	4,4'-DDT	ND	94	ug/kg	
72-20-8	Endrin	ND	94	ug/kg	
1031-07-8	Endosulfan sulfate	ND	94	ug/kg	
7421-93-4	Endrin aldehyde	ND	94	ug/kg	
53494-70-5	Endrin ketone	ND	94	ug/kg	
959-98-8	Endosulfan-I	ND	47	ug/kg	
33213-65-9	Endosulfan-II	ND	94	ug/kg	
76-44-8	Heptachlor	ND	47	ug/kg	
1024-57-3	Heptachlor epoxide	ND	47	ug/kg	
72-43-5	Methoxychlor	ND	190	ug/kg	
8001-35-2	Toxaphene	ND	4700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		50-144%
2051-24-3	Decachlorobiphenyl	120%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-300		
Lab Sample ID:	F7107-51	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08905.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08870.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%	89%	50-144%
2051-24-3	Decachlorobiphenyl	44%	102%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-301		
Lab Sample ID:	F7107-16	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06724.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06689.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	83%	50-144%
2051-24-3	Decachlorobiphenyl	70%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-303		
Lab Sample ID:	F7107-12	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06720.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06683.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	90%	50-144%
2051-24-3	Decachlorobiphenyl	86%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-304		
Lab Sample ID:	F7107-50	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	85.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08904.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08869.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	20	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND [b]	39	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	78	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%	89%	50-144%
2051-24-3	Decachlorobiphenyl	45%	100%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-308		
Lab Sample ID:	F7107-7	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06713.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06676.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND	1.8	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	106%	50-144%
2051-24-3	Decachlorobiphenyl	109%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-309		
Lab Sample ID:	F7107-8	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06718.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06679.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	76	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	93%	50-144%
2051-24-3	Decachlorobiphenyl	93%	112%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-310		
Lab Sample ID:	F7107-9	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	92.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06680.D	10	08/11/00	SKW	07/27/00	OP1878	GST239
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	18	ug/kg	
319-84-6	alpha-BHC	ND	18	ug/kg	
319-85-7	beta-BHC	ND	18	ug/kg	
319-86-8	delta-BHC	ND	18	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	18	ug/kg	
12789-03-6	Chlordane	ND	180	ug/kg	
5103-71-9	alpha-Chlordane	ND	36	ug/kg	
5103-74-2	gamma-Chlordane	ND	36	ug/kg	
60-57-1	Dieldrin	137	18	ug/kg	
72-54-8	4,4'-DDD	ND	36	ug/kg	
72-55-9	4,4'-DDE	ND	36	ug/kg	
50-29-3	4,4'-DDT	ND	36	ug/kg	
72-20-8	Endrin	ND	36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	36	ug/kg	
7421-93-4	Endrin aldehyde	ND	36	ug/kg	
53494-70-5	Endrin ketone	ND	36	ug/kg	
959-98-8	Endosulfan-I	ND	18	ug/kg	
33213-65-9	Endosulfan-II	ND	36	ug/kg	
76-44-8	Heptachlor	ND	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	18	ug/kg	
72-43-5	Methoxychlor	ND	72	ug/kg	
8001-35-2	Toxaphene	ND	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		50-144%
2051-24-3	Decachlorobiphenyl	134%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-311		
Lab Sample ID:	F7107-10	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06703.D	4	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	7.6	ug/kg	
319-84-6	alpha-BHC	ND	7.6	ug/kg	
319-85-7	beta-BHC	ND	7.6	ug/kg	
319-86-8	delta-BHC	ND	7.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	7.6	ug/kg	
12789-03-6	Chlordane	ND	76	ug/kg	
5103-71-9	alpha-Chlordane	ND	15	ug/kg	
5103-74-2	gamma-Chlordane	ND	15	ug/kg	
60-57-1	Dieldrin	73.5	7.6	ug/kg	
72-54-8	4,4'-DDD	ND	15	ug/kg	
72-55-9	4,4'-DDE	ND	15	ug/kg	
50-29-3	4,4'-DDT	ND	15	ug/kg	
72-20-8	Endrin	ND	15	ug/kg	
1031-07-8	Endosulfan sulfate	ND	15	ug/kg	
7421-93-4	Endrin aldehyde	ND	15	ug/kg	
53494-70-5	Endrin ketone	ND	15	ug/kg	
959-98-8	Endosulfan-I	ND	7.6	ug/kg	
33213-65-9	Endosulfan-II	ND	15	ug/kg	
76-44-8	Heptachlor	ND	7.6	ug/kg	
1024-57-3	Heptachlor epoxide	ND	7.6	ug/kg	
72-43-5	Methoxychlor	ND	30	ug/kg	
8001-35-2	Toxaphene	ND	760	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		50-144%
2051-24-3	Decachlorobiphenyl	106%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-312		
Lab Sample ID:	F7107-11	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06719.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06682.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	93%	50-144%
2051-24-3	Decachlorobiphenyl	90%	106%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-313		
Lab Sample ID:	F7107-13	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	83.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06721.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06686.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [b]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	80	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	89%	50-144%
2051-24-3	Decachlorobiphenyl	85%	106%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-314		
Lab Sample ID:	F7107-49	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	91.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08903.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08868.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%	89%	50-144%
2051-24-3	Decachlorobiphenyl	51%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-318		
Lab Sample ID:	F7107-63	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	79.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06824.D	1	08/16/00	SKW	07/31/00	OP1886	GST243
Run #2 [a]	ST06816.D	10	08/16/00	SKW	07/31/00	OP1886	GST243

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.2	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.2	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.2	ug/kg	
72-55-9	4,4'-DDE	ND	4.2	ug/kg	
50-29-3	4,4'-DDT	ND [b]	42	ug/kg	
72-20-8	Endrin	ND	4.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.2	ug/kg	
53494-70-5	Endrin ketone	ND	4.2	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.2	ug/kg	
76-44-8	Heptachlor	ND [b]	21	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [b]	84	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	93%	50-144%
2051-24-3	Decachlorobiphenyl	106%	133%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-319		
Lab Sample ID:	F7107-17	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	89.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST06725.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [b]	ST06690.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	18.4	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [c]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND	3.7	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [c]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [c]	74	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	83%	50-144%
2051-24-3	Decachlorobiphenyl	70%	109%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-320		
Lab Sample ID:	F7107-18	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06726.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06691.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND	3.6	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	71	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%	96%	50-144%
2051-24-3	Decachlorobiphenyl	79%	114%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-321		
Lab Sample ID:	F7107-19	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06727.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06692.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND	3.5	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	86%	50-144%
2051-24-3	Decachlorobiphenyl	73%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-322		
Lab Sample ID:	F7107-14	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06722.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06687.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%	94%	50-144%
2051-24-3	Decachlorobiphenyl	87%	115%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-325		
Lab Sample ID:	F7107-61	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06823.D	1	08/16/00	SKW	07/31/00	OP1886	GST243
Run #2 [a]	ST06814.D	10	08/16/00	SKW	07/31/00	OP1886	GST243

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	92%	50-144%
2051-24-3	Decachlorobiphenyl	107%	132%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-326		
Lab Sample ID:	F7107-52	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	82.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08908.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08873.D	10	08/16/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	20	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.0	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.0	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	ND	4.0	ug/kg	
50-29-3	4,4'-DDT	ND [b]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND [b]	40	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND [b]	20	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	81	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%	78%	50-144%
2051-24-3	Decachlorobiphenyl	41%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-327		
Lab Sample ID:	F7107-53	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	94.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08909.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08874.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.5	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.5	ug/kg	
72-55-9	4,4'-DDE	ND	3.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	35	ug/kg	
72-20-8	Endrin	ND	3.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	35	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.5	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	70	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	95%	50-144%
2051-24-3	Decachlorobiphenyl	45%	111%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-328		
Lab Sample ID:	F7107-15	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	88.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST06723.D	1	08/12/00	SKW	07/27/00	OP1878	GST240
Run #2 [a]	ST06688.D	10	08/11/00	SKW	07/27/00	OP1878	GST239

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.9	ug/kg	
319-84-6	alpha-BHC	ND	1.9	ug/kg	
319-85-7	beta-BHC	ND	1.9	ug/kg	
319-86-8	delta-BHC	ND	1.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.9	ug/kg	
12789-03-6	Chlordane	ND	19	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.8	ug/kg	
60-57-1	Dieldrin	ND	1.9	ug/kg	
72-54-8	4,4'-DDD	ND	3.8	ug/kg	
72-55-9	4,4'-DDE	ND	3.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	38	ug/kg	
72-20-8	Endrin	ND	3.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8	ug/kg	
53494-70-5	Endrin ketone	ND	3.8	ug/kg	
959-98-8	Endosulfan-I	ND	1.9	ug/kg	
33213-65-9	Endosulfan-II	ND	3.8	ug/kg	
76-44-8	Heptachlor	ND [b]	19	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	75	ug/kg	
8001-35-2	Toxaphene	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	79%	50-144%
2051-24-3	Decachlorobiphenyl	75%	121%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-331		
Lab Sample ID:	F7107-54	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	90.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08910.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08875.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.7	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.7	ug/kg	
72-55-9	4,4'-DDE	ND	3.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	37	ug/kg	
72-20-8	Endrin	ND	3.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.7	ug/kg	
53494-70-5	Endrin ketone	ND [b]	37	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.7	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	73	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%	92%	50-144%
2051-24-3	Decachlorobiphenyl	43%	116%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-332		
Lab Sample ID:	F7107-55	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
Method:	SW846 3550B/8081A	**Percent Solids:**	93.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN08911.D	1	08/17/00	SKW	07/28/00	OP1884	GMN343
Run #2 [a]	MN08876.D	10	08/17/00	SKW	07/28/00	OP1884	GMN342

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	1.8	ug/kg	
319-84-6	alpha-BHC	ND	1.8	ug/kg	
319-85-7	beta-BHC	ND	1.8	ug/kg	
319-86-8	delta-BHC	ND	1.8	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND [b]	18	ug/kg	
12789-03-6	Chlordane	ND	18	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.6	ug/kg	
60-57-1	Dieldrin	ND	1.8	ug/kg	
72-54-8	4,4'-DDD	ND	3.6	ug/kg	
72-55-9	4,4'-DDE	ND	3.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	36	ug/kg	
72-20-8	Endrin	ND	3.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.6	ug/kg	
53494-70-5	Endrin ketone	ND [b]	36	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	ug/kg	
33213-65-9	Endosulfan-II	ND	3.6	ug/kg	
76-44-8	Heptachlor	ND [b]	18	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	ug/kg	
72-43-5	Methoxychlor	ND [b]	72	ug/kg	
8001-35-2	Toxaphene	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%	79%	50-144%
2051-24-3	Decachlorobiphenyl	43%	114%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JULY 24, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDG – F6916

SAMPLES: 12/Soils/

CEF-P51-DUP14	CEF-P51-SS-G01
CEF-P51-SS-G10	CEF-P51-SS-T01B
CEF-P51-SS-T01R	CEF-P51-SS-T01W
CEF-P51-SS-T02B	CEF-P51-SS-T02R
CEF-P51-SS-T02W	CEF-P51-SS-T10B
CEF-P51-SS-T10R	CEF-P51-SS-T10W

Overview

The sample set for CTO 078, Cecil Field, SDG F6811 consists of twelve (12) soil environmental samples.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on June 27, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
* • Laboratory Blank Analyses
* • Detection Limits

* - All quality control criteria were met for this parameter.

Executive Summary

Laboratory Performance: None

Other Factors Affecting Data Quality: None.

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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-DUP4			CEF-P51-SS-G01			CEF-P51-SS-G10			CEF-P51-SS-T01B		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6916-12			F6916-8			F6916-1			F6916-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.8 %			90.0 %			90.9 %			83.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.4			21.9			1.6			12.9		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-SS-T01R			CEF-P51-SS-T01W			CEF-P51-SS-T02B			CEF-P51-SS-T02R		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6916-7			F6916-6			F6916-9			F6916-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.7 %			85.7 %			87.4 %			86.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.3			2.5			4.5			6.9		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6916

SAMPLE NUMBER:	CEF-P51-SS-T02W	CEF-P51-SS-T10B	CEF-P51-SS-T10R	CEF-P51-SS-T10W
SAMPLE DATE:	06/27/00	06/27/00	06/27/00	06/27/00
LABORATORY ID:	F6916-11	F6916-4	F6916-2	F6916-3
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	90.2 %	80.5 %	92.4 %	92.1 %
UNITS:	MG/KG	MG/KG	MG/KG	MG/KG
FIELD DUPLICATE OF:				
	RESULT QUAL	RESULT QUAL	RESULT QUAL	RESULT QUAL
INORGANICS				
ARSENIC	1.0	3.3	1.7	2.7

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-DUP4		
Lab Sample ID:	F6916-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.4	0.56	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G01		
Lab Sample ID:	F6916-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	21.9	0.55	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G10		
Lab Sample ID:	F6916-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.6	0.58	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01B		
Lab Sample ID:	F6916-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	83.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	12.9	0.59	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01R		
Lab Sample ID:	F6916-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	84.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.3	0.52	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T01W		
Lab Sample ID:	F6916-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	85.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.5	0.53	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02B		
Lab Sample ID:	F6916-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	87.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	4.5	0.63	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02R		
Lab Sample ID:	F6916-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	86.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	6.9	0.58	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T02W		
Lab Sample ID:	F6916-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.9	0.57	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10B		
Lab Sample ID:	F6916-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	80.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.8	0.67	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10R		
Lab Sample ID:	F6916-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.7	0.52	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T10W		
Lab Sample ID:	F6916-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.7	0.56	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JULY 31, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F6917, F6928 AND F6929

SAMPLES: **F6917**

13/Soils/

CEF-P51-SS-G15	CEF-P51-SS-G16
CEF-P51-SS-G17	CEF-P51-SS-G18
CEF-P51-SS-T15R	CEF-P51-SS-T16B
CEF-P51-SS-T16R	CEF-P51-SS-T16W
CEF-P51-SS-T17B	CEF-P51-SS-T17R
CEF-P51-SS-T18B	CEF-P51-SS-T18R
CEF-P51-SS-T18W	

F6928

17/Soils/

CEF-P51-DUP7	CEF-P51-DUP8
CEF-P51-SS-101	CEF-P51-SS-102
CEF-P51-SS-105	CEF-P51-SS-106
CEF-P51-SS-107	CEF-P51-SS-109
CEF-P51-SS-G07	CEF-P51-SS-G08
CEF-P51-SS-G09	CEF-P51-SS-T07R
CEF-P51-SS-T08B	CEF-P51-SS-T08R
CEF-P51-SS-T09B	CEF-P51-SS-T09R
CEF-P51-SS-T09W	

F6929

20/Soils/

CEF-P51-DUP5	CEF-P51-DUP6
CEF-P51-SS-G02	CEF-P51-SS-G03
CEF-P51-SS-G04	CEF-P51-SS-G05
CEF-P51-SS-G06	CEF-P51-SS-T03B
CEF-P51-SS-T03R	CEF-P51-SS-T03W
CEF-P51-SS-T04B	CEF-P51-SS-T04R
CEF-P51-SS-T04W	CEF-P51-SS-T05B
CEF-P51-SS-T05R	CEF-P51-SS-T05W
CEF-P51-SS-T06B	CEF-P51-SS-T06R
CEF-P51-SS-T06W	CEF-P51-SS-T07B

Overview

The sample set for CTO 078, Cecil Field, SDGs F6917, F6928 and F6929 consists of fifty (50) soil environmental samples. Four (4) duplicate pairs (CEF-P51-SS-T07R / CEF-P51-DUP7, CEF-P51-SS-106 / CEF-P51-DUP8, CEF-P51-SS-G02 / CEF-P51-DUP5 and CEF-P51-SS-T05W / CEF-P51-DUP6) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on June 27 and 28, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * Calibration Verifications
- * Laboratory Blank Analyses
- Field Duplicate Results
- * Detection Limits

* - All quality control criteria were met for this parameter.

Field Duplicate Results

Field duplicate imprecision (difference between results >2X CRDL) was noted for arsenic in field duplicate pairs CEF-P51-SS-T07R / CEF-P51-DUP7, CEF-P51-SS-106 / CEF-P51-DUP8 affecting SDG F6928. The positive results reported for arsenic in SDG F6928 were qualified as estimated, "J".

Notes

The Form 1s were not reported to the instrument detection limit (IDL). The laboratory provided corrected Form 1s.

Executive Summary

Laboratory Performance: None

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for arsenic affecting SDG F6928.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A. Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-DUP7			CEF-P51-DUP8			CEF-P51-SS-101			CEF-P51-SS-102		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-17			F6928-16			F6928-10			F6928-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.8 %			88.8 %			89.2 %			93.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-T07R			CEF-P51-SS-106								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.42	J	G	18.4	J	G	0.38	U		0.35	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-105			CEF-P51-SS-106			CEF-P51-SS-107			CEF-P51-SS-109		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-12			F6928-13			F6928-14			F6928-15		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.6 %			91.8 %			91.3 %			94.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.93	J	G	0.75	J	G	0.78	J	G	0.34	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-G07			CEF-P51-SS-G08			CEF-P51-SS-G09			CEF-P51-SS-T07R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-2			F6928-5			F6928-9			F6928-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.2 %			87.0 %			83.4 %			89.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	14.7	J	G	12.8	J	G	25.1	J	G	5.2	J	G

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-T08B			CEF-P51-SS-T08R			CEF-P51-SS-T09B			CEF-P51-SS-T09R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6928-3			F6928-4			F6928-6			F6928-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.3 %			89.1 %			89.7 %			89.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	7.0	J	G	8.0	J	G	1.9	J	G	1.0	J	G

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6928

SAMPLE NUMBER:	CEF-P51-SS-T09W											
SAMPLE DATE:	06/28/00			/ /			/ /			/ /		
LABORATORY ID:	F6928-7											
QC_TYPE:	NORMAL											
% SOLIDS:	92.2 %			100.0 %			100.0 %			100.0 %		
UNITS:	MG/KG											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	11.6	J	G									

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-G15			CEF-P51-SS-G16			CEF-P51-SS-G17			CEF-P51-SS-G18		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-12			F6917-8			F6917-5			F6917-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.2 %			89.5 %			87.7 %			85.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.34	U		6.2			14.0			17.7		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T15R			CEF-P51-SS-T16B			CEF-P51-SS-T16R			CEF-P51-SS-T16W		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-13			F6917-11			F6917-9			F6917-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.8 %			88.4 %			83.5 %			92.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2			3.5			0.43	U		1.7		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T17B			CEF-P51-SS-T17R			CEF-P51-SS-T18B			CEF-P51-SS-T18R		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6917-6			F6917-7			F6917-4			F6917-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.3 %			88.4 %			88.0 %			90.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2			5.2			4.0			5.5		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6917

SAMPLE NUMBER:	CEF-P51-SS-T18W											
SAMPLE DATE:	06/27/00			/ /			/ /			/ /		
LABORATORY ID:	F6917-3											
QC_TYPE:	NORMAL											
% SOLIDS:	92.1 %			100.0 %			100.0 %			100.0 %		
UNITS:	MG/KG											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.9											

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-DUP5			CEF-P51-DUP6			CEF-P51-SS-G02			CEF-P51-SS-G03		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-19			F6929-20			F6929-1			F6929-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.3 %			86.1 %			84.9 %			87.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-G02			CEF-P51-SS-T05W								
	RESULT	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
INORGANICS												
ARSENIC	13.9			11.4			15.9			21.0		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-G04			CEF-P51-SS-G05			CEF-P51-SS-G06			CEF-P51-SS-T03B		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-9			F6929-13			F6929-17			F6929-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.7 %			89.4 %			87.8 %			86.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	22.7			18.3			2.9			2.0		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T03R			CEF-P51-SS-T03W			CEF-P51-SS-T04B			CEF-P51-SS-T04R		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-4			F6929-3			F6929-6			F6929-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	83.4 %			90.1 %			90.8 %			90.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.67			5.7			4.8			4.8		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T04W			CEF-P51-SS-T05B			CEF-P51-SS-T05R			CEF-P51-SS-T05W		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-7			F6929-10			F6929-12			F6929-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.3 %			89.8 %			89.5 %			87.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	5.6			1.8			3.6			12.3		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6929

SAMPLE NUMBER:	CEF-P51-SS-T06B			CEF-P51-SS-T06R			CEF-P51-SS-T06W			CEF-P51-SS-T07B		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6929-14			F6929-16			F6929-15			F6929-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.1 %			87.6 %			89.4 %			85.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	14.2			3.4			7.8			17.0		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-DUP5		
Lab Sample ID:	F6929-19	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	85.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	13.9	0.57	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP6		
Lab Sample ID:	F6929-20	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	86.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	11.4	0.62	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G02		
Lab Sample ID:	F6929-1	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	84.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	15.9	0.56	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G03		
Lab Sample ID:	F6929-5	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	21.0	0.55	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G04		
Lab Sample ID:	F6929-9	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	86.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	22.7	0.59	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G05		
Lab Sample ID:	F6929-13	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	18.3	0.52	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G06		
Lab Sample ID:	F6929-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.9	0.59	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03B		
Lab Sample ID:	F6929-2	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	86.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.0	0.58	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03R		
Lab Sample ID:	F6929-4	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	83.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.67	0.61	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T03W		
Lab Sample ID:	F6929-3	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.7	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04B		
Lab Sample ID:	F6929-6	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	4.8	0.54	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04R		
Lab Sample ID:	F6929-8	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	4.8	0.49	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T04W		
Lab Sample ID:	F6929-7	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	90.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.6	0.62	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05B		
Lab Sample ID:	F6929-10	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.8	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05R		
Lab Sample ID:	F6929-12	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.6	0.57	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T05W		
Lab Sample ID:	F6929-11	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	12.3	0.53	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06B		
Lab Sample ID:	F6929-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	14.2	0.53	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06R		
Lab Sample ID:	F6929-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.4	0.54	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06W		
Lab Sample ID:	F6929-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	7.8	0.58	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T07B		
Lab Sample ID:	F6929-18	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	85.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	17.0	0.58	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP7		
Lab Sample ID:	F6928-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.42 B	0.55	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP8		
Lab Sample ID:	F6928-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	88.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	18.4	0.50	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-101		
Lab Sample ID:	F6928-10	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-102		
Lab Sample ID:	F6928-11	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.35 U	0.50	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-105		
Lab Sample ID:	F6928-12	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	94.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.93	0.50	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-106		
Lab Sample ID:	F6928-13	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	91.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.75	0.56	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-107		
Lab Sample ID:	F6928-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	91.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.78	0.55	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-109		
Lab Sample ID:	F6928-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	94.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.34 U	0.50	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G07		
Lab Sample ID:	F6928-2	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	14.7	0.57	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G08		
Lab Sample ID:	F6928-5	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	87.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	12.8	0.58	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G09		
Lab Sample ID:	F6928-9	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	83.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	25.1	0.58	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T07R		
Lab Sample ID:	F6928-1	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	5.2	0.55	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T08B		
Lab Sample ID:	F6928-3	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	92.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	7.0	0.56	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T08R		
Lab Sample ID:	F6928-4	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	8.0	0.59	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09B		
Lab Sample ID:	F6928-6	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.9	0.54	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09R		
Lab Sample ID:	F6928-8	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	89.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.0	0.54	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T09W		
Lab Sample ID:	F6928-7	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	11.6	0.52	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G15		
Lab Sample ID:	F6917-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	94.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.34 U	0.49	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G16		
Lab Sample ID:	F6917-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	6.2	0.53	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G17		
Lab Sample ID:	F6917-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	87.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	14.0	0.58	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G18		
Lab Sample ID:	F6917-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	85.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	17.7	0.57	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15R		
Lab Sample ID:	F6917-13	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2	0.50	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16B		
Lab Sample ID:	F6917-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.5	0.51	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16R		
Lab Sample ID:	F6917-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	83.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.43 U	0.62	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T16W		
Lab Sample ID:	F6917-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.7	0.56	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T17B		
Lab Sample ID:	F6917-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	88.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2	0.53	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T17R		
Lab Sample ID:	F6917-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.2	0.61	mg/kg	1	06/30/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18B		
Lab Sample ID:	F6917-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	88.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	4.0	0.60	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18R		
Lab Sample ID:	F6917-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.5	0.56	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T18W		
Lab Sample ID:	F6917-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.9	0.53	mg/kg	1	06/30/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**M. SPERANZA**	**DATE:**	**AUGUST 4, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F6918 ANF F6951

SAMPLES: **F6918**

20/Soils/

CEF-P51-SS-DUP1	CEF-P51-SS-DUP2
CEF-P51-SS-DUP3	CEF-P51-SS-G11
CEF-P51-SS-G12	CEF-P51-SS-G13
CEF-P51-SS-G14	CEF-P51-SS-T11B
CEF-P51-SS-T11R	CEF-P51-SS-T11W
CEF-P51-SS-T12B	CEF-P51-SS-T12R
CEF-P51-SS-T12W	CEF-P51-SS-T13B
CEF-P51-SS-T13R	CEF-P51-SS-T14B
CEF-P51-SS-T14R	CEF-P51-SS-T14W
CEF-P51-SS-T15B	CEF-P51-SS-T15W

F6951

20/Soils/

CEF-P51-SS-110	CEF-P51-SS-111
CEF-P51-SS-112	CEF-P51-SS-113
CEF-P51-SS-114	CEF-P51-SS-116
CEF-P51-SS-117	CEF-P51-SS-118
CEF-P51-SS-119	CEF-P51-SS-120
CEF-P51-SS-121	CEF-P51-SS-122
CEF-P51-SS-124	CEF-P51-SS-125
CEF-P51-SS-126	CEF-P51-SS-127
CEF-P51-SS-128	CEF-P51-SS-129
CEF-P51-SS-DUP8	CEF-P51-SS-DUP9

Overview

The sample set for CTO 078, Cecil Field, SDGs F6918 and F6951 consists of forty (40) soil environmental samples. Three (3) duplicate pairs (CEF-P51-SS-G14 / CEF-P51-DUP3, CEF-P51-SS-111 / CEF-P51-DUP8 and CEF-P51-SS-121 / CEF-P51-SS-DUP9) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on June 27 and 29, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * Calibration Verifications
- Laboratory Blank Analyses
- * Field Duplicate Results
- * Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method blanks at the following maximum concentration:

Affected samples: SDG F6951

Analyte	Maximum Concentration	Action Level
Arsenic	4.0µg/L	2.0mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level were qualified, "U", as a result of blank contamination.

Notes

The Form 1s were not reported to the instrument detection limit (IDL). The laboratory provided corrected Form 1s.

The original samples associated with the following field duplicate samples were not included in SDG F 6918: CEF-P51-SS-T18R / CEF-P51-DUP1, CEF-P51-SS-T16B / CEF-P51-DUP2. Therefore, a comparison could not be made.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory blanks affecting SDG F6951.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-DUP1			CEF-P51-DUP2			CEF-P51-DUP3			CEF-P51-SS-G11		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-18			F6918-19			F6918-20			F6918-14		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.4 %			89.1 %			89.4 %			87.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-T18R			CEF-P51-SS-T16B			CEF-P51-SS-G14					
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	7.2			2.9			1.4			13.0		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-G12			CEF-P51-SS-G13			CEF-P51-SS-G14			CEF-P51-SS-T11B		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-10			F6918-7			F6918-3			F6918-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.5 %			89.2 %			89.1 %			92.5 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	5.5			2.4			2.0			2.7		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T11R			CEF-P51-SS-T11W			CEF-P51-SS-T12B			CEF-P51-SS-T12R		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-15			F6918-16			F6918-13			F6918-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.7 %			89.8 %			90.7 %			91.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		3.1			1.3			3.4		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T12W			CEF-P51-SS-T13B			CEF-P51-SS-T13R			CEF-P51-SS-T14B		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-12			F6918-9			F6918-8			F6918-6		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.7 %			90.4 %			87.0 %			91.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	9.8			12.2			3.6			5.2		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6918

SAMPLE NUMBER:	CEF-P51-SS-T14R			CEF-P51-SS-T14W			CEF-P51-SS-T15B			CEF-P51-SS-T15W		
SAMPLE DATE:	06/27/00			06/27/00			06/27/00			06/27/00		
LABORATORY ID:	F6918-4			F6918-5			F6918-1			F6918-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.5 %			86.8 %			88.5 %			92.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.5			1.0			6.0			10.0		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-110			CEF-P51-SS-111			CEF-P51-SS-112			CEF-P51-SS-113		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-1			F6951-2			F6951-3			F6951-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			92.2 %			95.0 %			87.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.39	U		0.40	U		0.38	U		0.35	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-114			CEF-P51-SS-116			CEF-P51-SS-117			CEF-P51-SS-118		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-5			F6951-6			F6951-7			F6951-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.4 %			93.0 %			92.6 %			91.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.42	U		0.40	U	A	0.35	U		3.2		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-119			CEF-P51-SS-120			CEF-P51-SS-121			CEF-P51-SS-122		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6951-9			F6951-10			F6951-11			F6951-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			90.2 %			87.1 %			92.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.38	U		0.37	U		0.37	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-124			CEF-P51-SS-125			CEF-P51-SS-126			CEF-P51-SS-127		
SAMPLE DATE:	06/29/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6951-13			F6951-14			F6951-15			F6951-16		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.2 %			93.4 %			95.2 %			90.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.39	U		3.4			1.1	U	A	10.9		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6951

SAMPLE NUMBER:	CEF-P51-SS-128			CEF-P51-SS-129			CEF-P51-SS-DUP8			CEF-P51-SS-DUP9		
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			06/28/00		
LABORATORY ID:	F6951-17			F6951-18			F6951-19			F6951-20		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.4 %			84.1 %			93.5 %			88.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:							CEF-P51-SS-111			CEF-P51-SS-121		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	5.0			0.83	U	A	0.34	U		0.35	U	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-DUP1		
Lab Sample ID:	F6918-18	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	7.2	0.57	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP2		
Lab Sample ID:	F6918-19	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.9	0.57	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP3		
Lab Sample ID:	F6918-20	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.4	0.58	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G11		
Lab Sample ID:	F6918-14	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	87.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	13.0	0.63	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G12		
Lab Sample ID:	F6918-10	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	86.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.5	0.59	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G13		
Lab Sample ID:	F6918-7	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.4	0.56	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G14		
Lab Sample ID:	F6918-3	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.0	0.57	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11B		
Lab Sample ID:	F6918-17	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.7	0.57	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11R		
Lab Sample ID:	F6918-15	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.38 U	0.54	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T11W		
Lab Sample ID:	F6918-16	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.1	0.56	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12B		
Lab Sample ID:	F6918-13	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.3	0.51	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12R		
Lab Sample ID:	F6918-11	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	91.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.4	0.55	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T12W		
Lab Sample ID:	F6918-12	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	86.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	9.8	0.59	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T13B		
Lab Sample ID:	F6918-9	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	12.2	0.57	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T13R		
Lab Sample ID:	F6918-8	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	87.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.6	0.60	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14B		
Lab Sample ID:	F6918-6	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	91.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	5.2	0.51	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14R		
Lab Sample ID:	F6918-4	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	91.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.5	0.52	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T14W		
Lab Sample ID:	F6918-5	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	86.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.0	0.51	mg/kg	1	07/03/00	07/03/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15B		
Lab Sample ID:	F6918-1	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	88.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	6.0	0.51	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-T15W		
Lab Sample ID:	F6918-2	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
		Percent Solids:	92.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	10.0	0.51	mg/kg	1	07/03/00	07/03/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-110		
Lab Sample ID:	F6951-1	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.39 U	0.57	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-111		
Lab Sample ID:	F6951-2	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-112		
Lab Sample ID:	F6951-3	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	95.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-113		
Lab Sample ID:	F6951-4	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	87.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.51	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-114		
Lab Sample ID:	F6951-5	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.42 U	0.61	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-116		
Lab Sample ID:	F6951-6	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	93.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.40 B	0.58	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-117		
Lab Sample ID:	F6951-7	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.35 U	0.50	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-118		
Lab Sample ID:	F6951-8	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-119		
Lab Sample ID:	F6951-9	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.41 U	0.59	mg/kg	1	07/03/00	07/05/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-120		
Lab Sample ID:	F6951-10	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-121		
Lab Sample ID:	F6951-11	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	87.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-122		
Lab Sample ID:	F6951-12	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.54	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-124		
Lab Sample ID:	F6951-13	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.39 U	0.56	mg/kg	1	07/03/00	07/05/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-125		
Lab Sample ID:	F6951-14	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	93.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.4	0.55	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-126		
Lab Sample ID:	F6951-15	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	95.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.1	0.50	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

'RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-127		
Lab Sample ID:	F6951-16	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	10.9	0.54	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-128		
Lab Sample ID:	F6951-17	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	85.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.0	0.57	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-129		
Lab Sample ID:	F6951-18	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	84.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.83	0.56	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP8		
Lab Sample ID:	F6951-19	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	93.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.34 U	0.50	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP9		
Lab Sample ID:	F6951-20	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	88.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.51	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**M. SPERANZA**	**DATE:**	**AUGUST 7, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION –ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F6952 AND F6961

SAMPLES: **F6952**

18/Soils/

CEF-P51-SS-130	CEF-P51-SS-131
CEF-P51-SS-132	CEF-P51-SS-133
CEF-P51-SS-134	CEF-P51-SS-135
CEF-P51-SS-136	CEF-P51-SS-137
CEF-P51-SS-138	CEF-P51-SS-139
CEF-P51-SS-140	CEF-P51-SS-141
CEF-P51-SS-142	CEF-P51-SS-143
CEF-P51-SS-144	CEF-P51-SS-DUP10
CEF-P51-SS-DUP11	CEF-P51-SS-G10B

F6951

18/Soils/

CEF-P51-SS-DUP12	CEF-P51-SS-DUP13
CEF-P51-SS-147	CEF-P51-SS-151
CEF-P51-SS-152	CEF-P51-SS-153
CEF-P51-SS-154	CEF-P51-SS-155
CEF-P51-SS-156	CEF-P51-SS-157
CEF-P51-SS-158	CEF-P51-SS-159
CEF-P51-SS-160	CEF-P51-SS-161
CEF-P51-SS-162	CEF-P51-SS-171
CEF-P51-SS-172	CEF-P51-SS-173

Overview

The sample set for CTO 078, Cecil Field, SDGs F6952 and F6961 consists of thirty-six (36) soil environmental samples. Four (4) field duplicate pairs (CEF-P51-SS-131/ CEF-P51-SS-DUP10, CEF-P51-SS-141/ CEF-P51-SS-DUP11, CEF-P51-SS-151/ CEF-P51-SS-DUP 12 and CEF-P51-SS-161/ CEF-P51-SS-DUP13) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on June 29 and 30, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * Calibration Verifications
- Laboratory Blank Analyses
- * Field Duplicate Results
- * Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method blanks at the following maximum concentration:

Affected samples: SDG F6952

Analyte	Maximum Concentration	Action Level
Arsenic	4.0µg/L	2.0mg/kg

Affected samples: SDG F6961

Analyte	Maximum Concentration	Action Level
Arsenic	4.7µg/L	2.35mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level were qualified, "U", as a result of blank contamination.

Notes

The following Form 1s were missing from the original data package: CEF-P51-SS-162, CEF-P51-SS-171 and CEF-P51-SS-172. The form 1s were requested by the data reviewer and submitted by the laboratory.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-130			CEF-P51-SS-131			CEF-P51-SS-132			CEF-P51-SS-133		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-1			F6952-2			F6952-3			F6952-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.5 %			90.8 %			91.5 %			91.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.1	U	A	0.85	U	A	2.8			0.86	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-134			CEF-P51-SS-135			CEF-P51-SS-136			CEF-P51-SS-137		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-5			F6952-6			F6952-7			F6952-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.5 %			90.1 %			87.1 %			89.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	4.3			1.4	U	A	7.3			3.3		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-138			CEF-P51-SS-139			CEF-P51-SS-140			CEF-P51-SS-141		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-9			F6952-10			F6952-11			F6952-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.4 %			91.1 %			91.6 %			91.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.7			0.38	U		0.50	U	A	0.39	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-142			CEF-P51-SS-143			CEF-P51-SS-144			CEF-P51-SS-DUP10		
SAMPLE DATE:	06/29/00			06/29/00			06/29/00			06/29/00		
LABORATORY ID:	F6952-13			F6952-14			F6952-15			F6952-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.4 %			88.5 %			90.7 %			92.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:										CEF-P51-SS-131		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		0.38	U		1.3	U	A	1.9	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6952

SAMPLE NUMBER:	CEF-P51-SS-DUP11			CEF-P51-SS-G10B								
SAMPLE DATE:	06/29/00			06/29/00			/ /			/ /		
LABORATORY ID:	F6952-18			F6952-16								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	92.2 %			80.5 %			100.0 %			100.0 %		
UNITS:	MG/KG			MG/KG								
FIELD DUPLICATE OF:	CEF-P51-SS-141											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.42	U	A	16.8								

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-DUP12			CEF-P51-DUP13			CEF-P51-SS-147			CEF-P51-SS-151		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-17			F6961-18			F6961-1			F6961-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.6 %			90.3 %			86.1 %			94.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-151			CEF-P51-SS-161								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.69	U	A	10.1			0.69	U	A	0.38	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-152			CEF-P51-SS-153			CEF-P51-SS-154			CEF-P51-SS-155		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-3			F6961-4			F6961-5			F6961-6		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.5 %			93.7 %			92.6 %			89.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		0.36	U		0.35	U		0.37	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-156			CEF-P51-SS-157			CEF-P51-SS-158			CEF-P51-SS-159		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-7			F6961-8			F6961-9			F6961-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.0 %			92.6 %			90.1 %			88.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.43	U		0.37	U		0.37	U		0.38	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-160			CEF-P51-SS-161			CEF-P51-SS-162			CEF-P51-SS-171		
SAMPLE DATE:	06/30/00			06/30/00			06/30/00			06/30/00		
LABORATORY ID:	F6961-11			F6961-12			F6961-13			F6961-14		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.4 %			89.8 %			82.5 %			86.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.36	U		8.5			5.4			1.7	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F6961

SAMPLE NUMBER:	CEF-P51-SS-172			CEF-P51-SS-173								
SAMPLE DATE:	06/30/00			06/30/00			/ /			/ /		
LABORATORY ID:	F6961-15			F6961-16								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	90.1 %			84.2 %			100.0 %			100.0 %		
UNITS:	MG/KG			MG/KG								
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	5.3			5.4								

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-SS-130		
Lab Sample ID:	F6952-1	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.1	0.53	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-131		
Lab Sample ID:	F6952-2	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.85	0.52	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-132		
Lab Sample ID:	F6952-3	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.8	0.57	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-133		
Lab Sample ID:	F6952-4	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.86	0.51	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-134		
Lab Sample ID:	F6952-5	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	4.3	0.57	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-135		
Lab Sample ID:	F6952-6	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.4	0.55	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-136		
Lab Sample ID:	F6952-7	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	87.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	7.3	0.59	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-137		
Lab Sample ID:	F6952-8	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	89.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.3	0.56	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-138		
Lab Sample ID:	F6952-9	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.7	0.57	mg/kg	1	07/06/00	07/10/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-139		
Lab Sample ID:	F6952-10	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.55	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-140		
Lab Sample ID:	F6952-11	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.50 B	0.54	mg/kg	1	07/06/00	07/10/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-141		
Lab Sample ID:	F6952-12	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	91.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-142		
Lab Sample ID:	F6952-13	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	84.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.54	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-143		
Lab Sample ID:	F6952-14	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	88.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-144		
Lab Sample ID:	F6952-15	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	90.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.3	0.58	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP10		
Lab Sample ID:	F6952-17	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.9	0.54	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-DUP11		
Lab Sample ID:	F6952-18	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.42 B	0.52	mg/kg	1	07/06/00	07/11/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G10B		
Lab Sample ID:	F6952-16	**Date Sampled:**	06/29/00
Matrix:	SO - Soil	**Date Received:**	06/30/00
		Percent Solids:	80.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	16.8	0.62	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP12		
Lab Sample ID:	F6961-17	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.69	0.50	mg/kg	1	07/11/00	07/12/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP13		
Lab Sample ID:	F6961-18	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	90.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	10.1	0.53	mg/kg	1	07/11/00	07/12/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-147		
Lab Sample ID:	F6961-1	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	86.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.69	0.57	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-151		
Lab Sample ID:	F6961-2	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	94.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.55	mg/kg	1	07/06/00	07/11/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-152		
Lab Sample ID:	F6961-3	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	91.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/06/00	07/11/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-153		
Lab Sample ID:	F6961-4	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	93.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U	0.52	mg/kg	1	07/06/00	07/11/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-154		
Lab Sample ID:	F6961-5	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.35 U	0.51	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-155		
Lab Sample ID:	F6961-6	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	89.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.37 U	0.53	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-156		
Lab Sample ID:	F6961-7	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	89.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.43 U	0.62	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-157		
Lab Sample ID:	F6961-8	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.53	mg/kg	1	07/06/00	07/11/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-158		
Lab Sample ID:	F6961-9	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.37 U	0.54	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-159		
Lab Sample ID:	F6961-10	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	88.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-160		
Lab Sample ID:	F6961-11	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	92.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.36 U	0.52	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-161		
Lab Sample ID:	F6961-12	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	8.5	0.57	mg/kg	1	07/06/00	07/11/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-162		
Lab Sample ID:	F6961-13	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	82.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.4	0.64	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-171		
Lab Sample ID:	F6961-14	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	86.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.7	0.53	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-172		
Lab Sample ID:	F6961-15	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.3	0.51	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-173		
Lab Sample ID:	F6961-16	**Date Sampled:**	06/30/00
Matrix:	SO - Soil	**Date Received:**	07/01/00
		Percent Solids:	84.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	5.4	0.59	mg/kg	1	07/11/00	07/12/00	JK	SW846 6010A

RL = Reporting Limit

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**AUGUST 9, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F7028 AND F7062

SAMPLES: **F7028**

36/Soils/

CEF-P51-SS-DUP14	CEF-P51-SS-DUP15
CEF-P51-SS-DUP16	CEF-P51-SS-DUP17
CEF-P51-SS-168	CEF-P51-SS-169
CEF-P51-SS-170	CEF-P51-SS-174
CEF-P51-SS-175	CEF-P51-SS-176
CEF-P51-SS-177	CEF-P51-SS-178
CEF-P51-SS-179	CEF-P51-SS-180
CEF-P51-SS-181	CEF-P51-SS-182
CEF-P51-SS-183	CEF-P51-SS-184
CEF-P51-SS-185	CEF-P51-SS-189
CEF-P51-SS-190	CEF-P51-SS-191
CEF-P51-SS-192	CEF-P51-SS-193
CEF-P51-SS-194	CEF-P51-SS-195
CEF-P51-SS-197	CEF-P51-SS-198
CEF-P51-SS-199	CEF-P51-SS-200
CEF-P51-SS-201	CEF-P51-SS-202
CEF-P51-SS-203	CEF-P51-SS-204
CEF-P51-SS-209	CEF-P51-SS-211

F7062

15/Soils/

CEF-P51-SS-DUP18	CEF-P51-SS-212
CEF-P51-SS-213	CEF-P51-SS-214
CEF-P51-SS-215	CEF-P51-SS-216
CEF-P51-SS-217	CEF-P51-SS-218
CEF-P51-SS-219	CEF-P51-SS-220
CEF-P51-SS-221	CEF-P51-SS-222
CEF-P51-SS-223	CEF-P51-SS-224
CEF-P51-SS-225	

Overview

The sample set for CTO 078, Cecil Field, SDGs F7082 and F7062 consists of fifty-one (51) soil environmental samples. Five (5) field duplicate pairs (CEF-P51-SS-175 / CEF-P51-DUP14, CEF-

P51-SS-181/ CEF-P51-DUP15, CEF-P51-SS-211/ CEF-P51-DUP16, CEF-P51-SS-191/ CEF-P51-DUP17 and CEF-P51-SS-221/ CEF-P51-DUP18) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on July 11, 12 and 14, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * Calibration Verifications
- Laboratory Blank Analyses
- * Field Duplicate Results
- * Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method blanks at the following maximum concentration:

Affected samples: SDG F7062

Analyte	Maximum Concentration	Action Level
Arsenic	3.9µg/L	1.95mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level for arsenic in the affected SDG were qualified, "U", as a result of blank contamination.

Notes

The following Form 1s were missing from the original data package: CEF-P51-DUP14, CEF-P51-SUP15, CEF-P51-SS-182, CEF-P51-SS-183, CEF-P51-SS-184, CEF-P51-SS-185 and CEF-P51-SS-190. The form 1s were requested by the data reviewer and submitted by the laboratory.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-DUP18			CEF-P51-SS-212			CEF-P51-SS-213			CEF-P51-SS-214		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-15			F7062-1			F7062-2			F7062-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.4 %			73.9 %			78.0 %			77.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-221											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.58	U	A	5.3			1.3	U	A	1.4	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-215			CEF-P51-SS-216			CEF-P51-SS-217			CEF-P51-SS-218		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-4			F7062-5			F7062-6			F7062-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	70.0 %			87.6 %			93.3 %			93.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	13.1			6.1			2.1			0.63	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-219			CEF-P51-SS-220			CEF-P51-SS-221			CEF-P51-SS-222		
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			07/14/00		
LABORATORY ID:	F7062-8			F7062-9			F7062-10			F7062-11		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.8 %			84.7 %			86.6 %			81.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.59	U	A	0.42	U		0.41	U		3.7		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7062

SAMPLE NUMBER:	CEF-P51-SS-223			CEF-P51-SS-224			CEF-P51-SS-225					
SAMPLE DATE:	07/14/00			07/14/00			07/14/00			/ /		
LABORATORY ID:	F7062-12			F7062-13			F7062-14					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	88.0 %			93.8 %			86.5 %			100.0 %		
UNITS:	MG/KG			MG/KG			MG/KG					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.9			0.37	U		0.39	U				

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-DUP14			CEF-P51-DUP15			CEF-P51-DUP16			CEF-P51-DUP17		
SAMPLE DATE:	07/11/00			07/11/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-13			F7028-14			F7028-35			F7028-36		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.9 %			87.2 %			90.4 %			88.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-175			CEF-P51-SS-181			CEF-P51-SS-211			CEF-P51-SS-191		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.6			5.3			0.54			0.63		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-168			CEF-P51-SS-169			CEF-P51-SS-170			CEF-P51-SS-174		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/11/00		
LABORATORY ID:	F7028-33			F7028-17			F7028-16			F7028-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.9 %			91.6 %			90.8 %			90.5 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	4.6			0.36	U		6.0			1.6		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-175			CEF-P51-SS-176			CEF-P51-SS-177			CEF-P51-SS-178		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/11/00		
LABORATORY ID:	F7028-2			F7028-3			F7028-4			F7028-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.4 %			90.5 %			94.3 %			93.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.9			3.3			3.0			7.0		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-179			CEF-P51-SS-180			CEF-P51-SS-181			CEF-P51-SS-182		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/11/00		
LABORATORY ID:	F7028-6			F7028-7			F7028-8			F7028-9		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.1 %			86.3 %			87.2 %			96.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	7.7			2.3			4.6			0.37	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-183			CEF-P51-SS-184			CEF-P51-SS-185			CEF-P51-SS-189		
SAMPLE DATE:	07/11/00			07/11/00			07/11/00			07/12/00		
LABORATORY ID:	F7028-10			F7028-11			F7028-12			F7028-34		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	95.2 %			91.4 %			91.4 %			91.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		0.36	U		0.50			0.39	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-190			CEF-P51-SS-191			CEF-P51-SS-192			CEF-P51-SS-193		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-15			F7028-26			F7028-27			F7028-28		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.2 %			87.9 %			88.7 %			86.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.0			0.42			0.54			1.4		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-194			CEF-P51-SS-195			CEF-P51-SS-197			CEF-P51-SS-198		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-29			F7028-30			F7028-31			F7028-32		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.5 %			88.2 %			87.0 %			94.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.0			3.0			0.39	U		0.78		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-199			CEF-P51-SS-200			CEF-P51-SS-201			CEF-P51-SS-202		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-25			F7028-24			F7028-23			F7028-22		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.2 %			86.4 %			78.3 %			89.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.40	U		1.1			0.42	U		0.40	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7028

SAMPLE NUMBER:	CEF-P51-SS-203			CEF-P51-SS-204			CEF-P51-SS-209			CEF-P51-SS-211		
SAMPLE DATE:	07/12/00			07/12/00			07/12/00			07/12/00		
LABORATORY ID:	F7028-21			F7028-20			F7028-19			F7028-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.6 %			85.6 %			90.1 %			90.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.39	U		0.41	U		0.67			0.48		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-SS-182	**Date Sampled:**	07/11/00
Lab Sample ID:	F7028-9	**Date Received:**	07/13/00
Matrix:	SO - Soil	**Percent Solids:**	96.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.53	mg/kg	1	07/14/00	08/02/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-183	**Date Sampled:**	07/11/00
Lab Sample ID:	F7028-10	**Date Received:**	07/13/00
Matrix:	SO - Soil	**Percent Solids:**	95.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/14/00	08/02/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-184	**Date Sampled:**	07/11/00
Lab Sample ID:	F7028-11	**Date Received:**	07/13/00
Matrix:	SO - Soil	**Percent Solids:**	91.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.36 U	0.52	mg/kg	1	07/14/00	08/02/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-185	**Date Sampled:**	07/11/00
Lab Sample ID:	F7028-12	**Date Received:**	07/13/00
Matrix:	SO - Soil	**Percent Solids:**	91.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.50 B	0.51	mg/kg	1	07/14/00	08/02/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP14	**Date Sampled:**	07/11/00
Lab Sample ID:	F7028-13	**Date Received:**	07/13/00
Matrix:	SO - Soil	**Percent Solids:**	90.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.6	0.52	mg/kg	1	07/14/00	08/02/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-DUP15		
Lab Sample ID:	F7028-14	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	87.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.3	0.57	mg/kg	1	07/14/00	08/02/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-190		
Lab Sample ID:	F7028-15	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	91.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.0	0.52	mg/kg	1	07/14/00	08/02/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP16		
Lab Sample ID:	F7028-35	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.54	0.51	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP17		
Lab Sample ID:	F7028-36	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	88.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.63	0.62	mg/kg	1	07/18/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

068

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-168		
Lab Sample ID:	F7028-33	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	85.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	4.6	0.58	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

062

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-169		
Lab Sample ID:	F7028-17	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	91.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.36 U	0.51	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

030

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-170		
Lab Sample ID:	F7028-16	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	6.0	0.56	mg/kg	1	07/14/00	07/18/00 JK	SW846 6010A

RL = Reporting Limit

28

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-174		
Lab Sample ID:	F7028-1	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	16	0.57	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-175		
Lab Sample ID:	F7028-2	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.9	0.55	mg/kg	1	07/14/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-176		
Lab Sample ID:	F7028-3	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.3	0.62	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-177		
Lab Sample ID:	F7028-4	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	94.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.0	0.55	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-178		
Lab Sample ID:	F7028-5	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	93.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	7.0	0.57	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-179		
Lab Sample ID:	F7028-6	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	86.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	7.7	0.59	mg/kg	1	07/14/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-180		
Lab Sample ID:	F7028-7	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	86.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.3	0.55	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

017

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-181		
Lab Sample ID:	F7028-8	**Date Sampled:**	07/11/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	87.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	4.6	0.59	mg/kg	1	07/14/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-189		
Lab Sample ID:	F7028-34	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	91.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-191		
Lab Sample ID:	F7028-26	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	87.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.42 B	0.54	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-192		
Lab Sample ID:	F7028-27	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	88.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.54 B	0.56	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

050

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-193		
Lab Sample ID:	F7028-28	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	86.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.4	0.52	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

052

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-194		
Lab Sample ID:	F7028-29	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	94.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.0	0.53	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-195		
Lab Sample ID:	F7028-30	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	88.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.0	0.61	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

056

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-197		
Lab Sample ID:	F7028-31	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	87.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.39 U	0.56	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-198		
Lab Sample ID:	F7028-32	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	94.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.78	0.58	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-199		
Lab Sample ID:	F7028-25	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	89.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-200		
Lab Sample ID:	F7028-24	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	86.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.1	0.60	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

044

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-201		
Lab Sample ID:	F7028-23	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	78.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.42 U	0.61	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

04

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-202		
Lab Sample ID:	F7028-22	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

040

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-203		
Lab Sample ID:	F7028-21	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	84.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.39 U	0.56	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

038

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-204		
Lab Sample ID:	F7028-20	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	85.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.41 U	0.60	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-209		
Lab Sample ID:	F7028-19	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.67	0.53	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

034

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-211		
Lab Sample ID:	F7028-18	**Date Sampled:**	07/12/00
Matrix:	SO - Soil	**Date Received:**	07/13/00
		Percent Solids:	90.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.48 B	0.58	mg/kg	1	07/14/00	07/18/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP18		
Lab Sample ID:	F7062-15	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	86.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.58	0.57	mg/kg	1	07/31/00	08/02/00	JK	SW846 6010A

RL = Reporting Limit

C32

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-212		
Lab Sample ID:	F7062-1	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	73.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.3	0.68	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C04

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-213		
Lab Sample ID:	F7062-2	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	78.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.3	0.65	mg/kg	1	07/18/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

COC

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-214		
Lab Sample ID:	F7062-3	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	77.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.4	0.61	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C08

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-215		
Lab Sample ID:	F7062-4	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	70.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	13.1	0.78	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C10

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-216		
Lab Sample ID:	F7062-5	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	87.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	6.1	0.57	mg/kg	1	07/18/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-217		
Lab Sample ID:	F7062-6	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	93.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.1	0.54	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C14

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-218		
Lab Sample ID:	F7062-7	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.63	0.57	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C16

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-219		
Lab Sample ID:	F7062-8	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.59	0.57	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C18

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-220		
Lab Sample ID:	F7062-9	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	84.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.42 U	0.61	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-221		
Lab Sample ID:	F7062-10	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	86.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.41 U	0.59	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C22

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-222		
Lab Sample ID:	F7062-11	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	81.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.7	0.56	mg/kg	1	07/18/00	07/19/00 JK	SW846 6010A

RL = Reporting Limit

C24

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-223		
Lab Sample ID:	F7062-12	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	88.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.9	0.57	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-224		
Lab Sample ID:	F7062-13	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 U	0.53	mg/kg	1	07/18/00	07/19/00	JK	SW846 6010A

RL = Reporting Limit

C28

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-225		
Lab Sample ID:	F7062-14	**Date Sampled:**	07/14/00
Matrix:	SO - Soil	**Date Received:**	07/15/00
		Percent Solids:	86.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/31/00	08/02/00 JK	SW846 6010A

RL = Reporting Limit

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**AUGUST 10, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F7071 AND F7072

SAMPLES: **F7071**

46/Soils/

CEF-P51-SS-DUP23	CEF-P51-SS-DUP24
CEF-P51-SS-DUP25	CEF-P51-SS-DUP26
CEF-P51-SS-233	CEF-P51-SS-234
CEF-P51-SS-235	CEF-P51-SS-236
CEF-P51-SS-237	CEF-P51-SS-238
CEF-P51-SS-239	CEF-P51-SS-240
CEF-P51-SS-241	CEF-P51-SS-252
CEF-P51-SS-253	CEF-P51-SS-254
CEF-P51-SS-260	CEF-P51-SS-261
CEF-P51-SS-262	CEF-P51-SS-265
CEF-P51-SS-266	CEF-P51-SS-267
CEF-P51-SS-268	CEF-P51-SS-269
CEF-P51-SS-270	CEF-P51-SS-271
CEF-P51-SS-272	CEF-P51-SS-281
CEF-P51-SS-282	CEF-P51-SS-283
CEF-P51-SS-285	CEF-P51-SS-286
CEF-P51-SS-294	CEF-P51-SS-295
CEF-P51-SS-296	CEF-P51-SS-302
CEF-P51-SS-305	CEF-P51-SS-306
CEF-P51-SS-307	CEF-P51-SS-315
CEF-P51-SS-316	CEF-P51-SS-317
CEF-P51-SS-323	CEF-P51-SS-324
CEF-P51-SS-329	CEF-P51-SS-330

F7072

35/Soils/

CEF-P51-DUP19	CEF-P51-DUP20
CEF-P51-DUP21	CEF-P51-DUP22
CEF-P51-SS-103	CEF-P51-SS-104
CEF-P51-SS-108	CEF-P51-SS-115
CEF-P51-SS-123	CEF-P51-SS-145
CEF-P51-SS-146	CEF-P51-SS-163
CEF-P51-SS-164	CEF-P51-SS-165
CEF-P51-SS-166	CEF-P51-SS-167

CEF-P51-SS-186	CEF-P51-SS-187
CEF-P51-SS-188	CEF-P51-SS-205
CEF-P51-SS-226	CEF-P51-SS-227
CEF-P51-SS-228	CEF-P51-SS-229
CEF-P51-SS-230	CEF-P51-SS-231
CEF-P51-SS-242	CEF-P51-SS-243
CEF-P51-SS-244	CEF-P51-SS-246
CEF-P51-SS-247	CEF-P51-SS-248
CEF-P51-SS-249	CEF-P51-SS-250
CEF-P51-SS-251	

Overview

The sample set for CTO 078, Cecil Field, SDGs F7071 and F7072 consists of eighty-one (81) soil environmental samples. Eight (8) field duplicate pairs (CEF-P51-SS-103 / CEF-P51-DUP19, CEF-P51-SS-164/ CEF-P51-DUP20, CEF-P51-SS-231/ CEF-P51-DUP21, CEF-P51-SS-243/ CEF-P51-DUP22, CEF-P51-SS-241/ CEF-P51-DUP23, CEF-P51-SS-254/ CEF-P51-DUP24, CEF-P51-SS-281/ CEF-P51-DUP25 and CEF-P51-SS-306/ CEF-P51-DUP26) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on July 15-17, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
• Laboratory Blank Analyses
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method blanks at the following maximum concentration:

Affected samples: all

Analyte	Maximum Concentration	Action Level
Arsenic	6.7µg/L	3.35mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level for arsenic were qualified, "U", as a result of blank contamination.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A. Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-DUP23			CEF-P51-DUP24			CEF-P51-DUP25			CEF-P51-DUP26		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-12			F7071-44			F7071-45			F7071-46		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.6 %			95.3 %			96.8 %			90.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-241			CEF-P51-SS-254			CEF-P51-SS-281			CEF-P51-SS-306		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.95	U	A	0.43	U	A	13.6			0.52	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-233			CEF-P51-SS-234			CEF-P51-SS-235			CEF-P51-SS-236		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-1			F7071-2			F7071-3			F7071-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	78.1 %			77.1 %			84.4 %			88.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.74	U	A	3.7	U	A	1.5	U	A	0.40	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-237			CEF-P51-SS-238			CEF-P51-SS-239			CEF-P51-SS-240		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-5			F7071-6			F7071-7			F7071-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.4 %			85.2 %			88.6 %			87.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.90	U	A	0.84	U	A	0.66	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-241			CEF-P51-SS-252			CEF-P51-SS-253			CEF-P51-SS-254		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-9			F7071-11			F7071-10			F7071-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	86.6 %			88.8 %			93.6 %			95.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.2	U	A	9.7			0.36	U		0.39	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-260			CEF-P51-SS-261			CEF-P51-SS-262			CEF-P51-SS-265		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-14			F7071-15			F7071-16			F7071-17		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	87.3 %			90.6 %			87.2 %			91.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.78	U	A	2.8	U	A	15.8			0.51	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-266			CEF-P51-SS-267			CEF-P51-SS-268			CEF-P51-SS-269		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-18			F7071-19			F7071-20			F7071-26		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.6 %			92.6 %			90.7 %			93.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.37	U		0.33	U		0.38	U		1.8	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-270			CEF-P51-SS-271			CEF-P51-SS-272			CEF-P51-SS-281		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-27			F7071-28			F7071-29			F7071-25		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.0 %			94.6 %			92.0 %			87.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.8			5.0			0.38	U		14.2		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-282			CEF-P51-SS-283			CEF-P51-SS-285			CEF-P51-SS-286		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-24			F7071-21			F7071-30			F7071-31		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.2 %			93.9 %			93.1 %			89.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	5.0			2.3	U	A	0.94	U	A	0.75	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-294			CEF-P51-SS-295			CEF-P51-SS-296			CEF-P51-SS-302		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-42			F7071-23			F7071-22			F7071-32		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.1 %			89.8 %			88.0 %			90.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.54	U	A	0.42	U		0.40	U		0.60	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-305			CEF-P51-SS-306			CEF-P51-SS-307			CEF-P51-SS-315		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-33			F7071-34			F7071-35			F7071-40		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.4 %			90.4 %			87.7 %			81.2 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.60	U	A	0.39	U		0.37	U		7.8		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-316			CEF-P51-SS-317			CEF-P51-SS-323			CEF-P51-SS-324		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7071-41			F7071-36			F7071-43			F7071-39		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	95.4 %			89.5 %			88.9 %			93.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.52	U	A	0.39	U		7.5			14.1		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7071

SAMPLE NUMBER:	CEF-P51-SS-329			CEF-P51-SS-330								
SAMPLE DATE:	07/16/00			07/16/00			/ /			/ /		
LABORATORY ID:	F7071-37			F7071-38								
QC_TYPE:	NORMAL			NORMAL								
% SOLIDS:	89.8 %			85.8 %			100.0 %			100.0 %		
UNITS:	MG/KG			MG/KG								
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	6.1			0.84	U	A						

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-DUP19			CEF-P51-DUP20			CEF-P51-DUP21			CEF-P51-DUP22		
SAMPLE DATE:	07/15/00			07/15/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-17			F7072-18			F7072-34			F7072-35		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.0 %			94.0 %			93.4 %			83.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-103			CEF-P51-SS-164			CEF-P51-SS-231			CEF-P51-SS-243		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.57	U	A	0.38	U	A	0.33	U		3.6	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-103	CEF-P51-SS-104	CEF-P51-SS-108	CEF-P51-SS-115
SAMPLE DATE:	07/15/00	07/15/00	07/15/00	07/15/00
LABORATORY ID:	F7072-1	F7072-2	F7072-4	F7072-3
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	92.2 %	92.4 %	85.0 %	92.1 %
UNITS:	MG/KG	MG/KG	MG/KG	MG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.35	U		0.35	U		0.37	U		0.35	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-123			CEF-P51-SS-145			CEF-P51-SS-146			CEF-P51-SS-163		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-5			F7072-6			F7072-7			F7072-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.6 %			88.0 %			91.2 %			80.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.40	U		0.71	U	A	0.37	U		1.1	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-164			CEF-P51-SS-165			CEF-P51-SS-166			CEF-P51-SS-167		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-12			F7072-11			F7072-10			F7072-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.6 %			91.1 %			91.9 %			89.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.35	U		1.1	U	A	0.42	U	A	0.45	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-186			CEF-P51-SS-187			CEF-P51-SS-188			CEF-P51-SS-205		
SAMPLE DATE:	07/15/00			07/15/00			07/15/00			07/15/00		
LABORATORY ID:	F7072-15			F7072-16			F7072-14			F7072-9		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	95.2 %			93.2 %			90.2 %			90.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.36	U		0.37	U		0.41	U	A	1.2	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-226			CEF-P51-SS-227			CEF-P51-SS-228			CEF-P51-SS-229		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-19			F7072-20			F7072-21			F7072-22		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.9 %			87.7 %			88.2 %			88.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	12.5			10.3			5.8			2.8	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-230			CEF-P51-SS-231			CEF-P51-SS-242			CEF-P51-SS-243		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-23			F7072-24			F7072-33			F7072-32		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.0 %			93.8 %			89.0 %			83.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.34	U	A	0.38	U	A	0.38	U		3.4	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-244			CEF-P51-SS-246			CEF-P51-SS-247			CEF-P51-SS-248		
SAMPLE DATE:	07/16/00			07/16/00			07/16/00			07/16/00		
LABORATORY ID:	F7072-31			F7072-30			F7072-29			F7072-28		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.4 %			89.9 %			90.3 %			90.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.8	U	A	5.2			7.4			5.8		

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7072

SAMPLE NUMBER:	CEF-P51-SS-249	CEF-P51-SS-250	CEF-P51-SS-251	
SAMPLE DATE:	07/16/00	07/16/00	07/16/00	/ /
LABORATORY ID:	F7072-27	F7072-26	F7072-25	
QC_TYPE:	NORMAL	NORMAL	NORMAL	
% SOLIDS:	92.5 %	89.6 %	92.4 %	100.0 %
UNITS:	MG/KG	MG/KG	MG/KG	
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.4	U	A	6.8			0.54	U	A			

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-233		
Lab Sample ID:	F7071-1	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	78.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.74	0.63	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-234		
Lab Sample ID:	F7071-2	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	77.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.7	0.63	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-235		
Lab Sample ID:	F7071-3	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	84.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.5	0.56	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-236		
Lab Sample ID:	F7071-4	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-237		
Lab Sample ID:	F7071-5	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.41 U	0.59	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-238		
Lab Sample ID:	F7071-6	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	85.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.90	0.63	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-239		
Lab Sample ID:	F7071-7	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.84	0.61	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-240		
Lab Sample ID:	F7071-8	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.66	0.53	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-241		
Lab Sample ID:	F7071-9	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	86.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.2	0.66	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-252		
Lab Sample ID:	F7071-11	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	9.7	0.64	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-253		
Lab Sample ID:	F7071-10	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U	0.53	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-254		
Lab Sample ID:	F7071-13	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	95.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-260		
Lab Sample ID:	F7071-14	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.78	0.62	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-261		
Lab Sample ID:	F7071-15	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.8	0.59	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-262		
Lab Sample ID:	F7071-16	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	15.8	0.61	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-265		
Lab Sample ID:	F7071-17	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	91.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.51 B	0.60	mg/kg	1	07/19/00	07/20/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-266		
Lab Sample ID:	F7071-18	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.54	mg/kg	1	07/19/00	07/24/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-267		
Lab Sample ID:	F7071-19	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.33 U	0.48	mg/kg	1	07/19/00	07/28/00	JK	SW846 6010A

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-268		
Lab Sample ID:	F7071-20	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.55	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-269		
Lab Sample ID:	F7071-26	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.8	0.54	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-270		
Lab Sample ID:	F7071-27	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.8	0.61	mg/kg	1	07/19/00	07/28/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-271		
Lab Sample ID:	F7071-28	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	94.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.0	0.56	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-272		
Lab Sample ID:	F7071-29	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.38 U	0.54	mg/kg	1	07/19/00	07/28/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-281		
Lab Sample ID:	F7071-25	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	14.2	0.58	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-282		
Lab Sample ID:	F7071-24	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	5.0	0.58	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-283		
Lab Sample ID:	F7071-21	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	2.3	0.54	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-285		
Lab Sample ID:	F7071-30	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.94	0.53	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-286		
Lab Sample ID:	F7071-31	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.75	0.53	mg/kg	1	07/19/00	07/28/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-294		
Lab Sample ID:	F7071-42	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.54 B	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-295		
Lab Sample ID:	F7071-23	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.42 U	0.61	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-296		
Lab Sample ID:	F7071-22	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-302		
Lab Sample ID:	F7071-32	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.60	0.59	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-305		
Lab Sample ID:	F7071-33	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.60 B	0.64	mg/kg	1	07/19/00	07/28/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-306		
Lab Sample ID:	F7071-34	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-307		
Lab Sample ID:	F7071-35	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.37 U	0.54	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-315		
Lab Sample ID:	F7071-40	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	81.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	7.8	0.54	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-316		
Lab Sample ID:	F7071-41	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	95.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.52 B	0.53	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-317		
Lab Sample ID:	F7071-36	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.39 U	0.57	mg/kg	1	07/19/00	07/28/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-323		
Lab Sample ID:	F7071-43	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	7.5	0.56	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-324		
Lab Sample ID:	F7071-39	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	14.1	0.57	mg/kg	1	07/19/00	07/30/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-329		
Lab Sample ID:	F7071-37	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	6.1	0.53	mg/kg	1	07/19/00	07/30/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-330		
Lab Sample ID:	F7071-38	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	85.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.84	0.59	mg/kg	1	07/19/00	07/30/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP23		
Lab Sample ID:	F7071-12	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	84.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.95	0.64	mg/kg	1	07/19/00	07/20/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-DUP24		
Lab Sample ID:	F7071-44	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	95.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.43 B	0.54	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP25		
Lab Sample ID:	F7071-45	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	96.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	13.6	0.52	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP26		
Lab Sample ID:	F7071-46	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.52	0.52	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-103		
Lab Sample ID:	F7072-1	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.50	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-108		
Lab Sample ID:	F7072-4	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	85.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.37 U	0.53	mg/kg	1	07/19/00	08/01/00 SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-115		
Lab Sample ID:	F7072-3	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.51	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-123		
Lab Sample ID:	F7072-5	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-145		
Lab Sample ID:	F7072-6	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.71	0.60	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-146		
Lab Sample ID:	F7072-7	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	91.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.54	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-163		
Lab Sample ID:	F7072-13	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	80.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.1	0.61	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-164		
Lab Sample ID:	F7072-12	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	94.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.51	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-165		
Lab Sample ID:	F7072-11	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	91.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.1	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-166		
Lab Sample ID:	F7072-10	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	91.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.42 B	0.53	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-167		
Lab Sample ID:	F7072-8	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.45 B	0.49	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-186		
Lab Sample ID:	F7072-15	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	95.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U	0.52	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-187		
Lab Sample ID:	F7072-16	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 U	0.53	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-188		
Lab Sample ID:	F7072-14	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.41 B	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-205		
Lab Sample ID:	F7072-9	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.2	0.55	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-226		
Lab Sample ID:	F7072-19	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	12.5	0.56	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-227		
Lab Sample ID:	F7072-20	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	87.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	10.3	0.59	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-228		
Lab Sample ID:	F7072-21	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.8	0.49	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-229		
Lab Sample ID:	F7072-22	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	88.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.8	0.58	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-230		
Lab Sample ID:	F7072-23	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	91.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.34 B	0.47	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-231		
Lab Sample ID:	F7072-24	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 B	0.51	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-242		
Lab Sample ID:	F7072-33	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.55	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-243		
Lab Sample ID:	F7072-32	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	83.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.4	0.58	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-244		
Lab Sample ID:	F7072-31	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	85.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.8	0.57	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-246		
Lab Sample ID:	F7072-30	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	5.2	0.51	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

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Report of Analysis

Client Sample ID:	CEF-P51-SS-247		
Lab Sample ID:	F7072-29	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	7.4	0.54	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-248		
Lab Sample ID:	F7072-28	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	90.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	5.8	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-249		
Lab Sample ID:	F7072-27	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.4	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-250		
Lab Sample ID:	F7072-26	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	89.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	6.8	0.61	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-251		
Lab Sample ID:	F7072-25	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.54 B	0.57	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP19		
Lab Sample ID:	F7072-17	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	92.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.57	0.51	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP20		
Lab Sample ID:	F7072-18	**Date Sampled:**	07/15/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	94.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 B	0.54	mg/kg	1	07/19/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP21		
Lab Sample ID:	F7072-34	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	93.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.33 U	0.48	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

72

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP22		
Lab Sample ID:	F7072-35	**Date Sampled:**	07/16/00
Matrix:	SO - Soil	**Date Received:**	07/18/00
		Percent Solids:	83.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.6	0.54	mg/kg	1	07/25/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	M. SPERANZA	DATE:	AUGUST 14, 2000
FROM:	GRETCHEN PHIPPS	COPIES:	DV FILE

SUBJECT: INORGANIC DATA VALIDATION – ARSENIC
CTO 078 - NAS CECIL FIELD
SDG – F7107

SAMPLES: 63/Soils/

CEF-P51-DUP27	CEF-P51-DUP28
CEF-P51-DUP29	CEF-P51-DUP30
CEF-P51-DUP31	CEF-P51-SS-148
CEF-P51-SS-149	CEF-P51-SS-150
CEF-P51-SS-196	CEF-P51-SS-206
CEF-P51-SS-207	CEF-P51-SS-208
CEF-P51-SS-210	CEF-P51-SS-232
CEF-P51-SS-245	CEF-P51-SS-255
CEF-P51-SS-256	CEF-P51-SS-257
CEF-P51-SS-258	CEF-P51-SS-259
CEF-P51-SS-263	CEF-P51-SS-264
CEF-P51-SS-273	CEF-P51-SS-274
CEF-P51-SS-275	CEF-P51-SS-276
CEF-P51-SS-277	CEF-P51-SS-278
CEF-P51-SS-279	CEF-P51-SS-280
CEF-P51-SS-284	CEF-P51-SS-287
CEF-P51-SS-288	CEF-P51-SS-289
CEF-P51-SS-290	CEF-P51-SS-291
CEF-P51-SS-292	CEF-P51-SS-293
CEF-P51-SS-297	CEF-P51-SS-298
CEF-P51-SS-299	CEF-P51-SS-300
CEF-P51-SS-301	CEF-P51-SS-303
CEF-P51-SS-304	CEF-P51-SS-308
CEF-P51-SS-309	CEF-P51-SS-310
CEF-P51-SS-311	CEF-P51-SS-312
CEF-P51-SS-313	CEF-P51-SS-314
CEF-P51-SS-318	CEF-P51-SS-319
CEF-P51-SS-320	CEF-P51-SS-321
CEF-P51-SS-322	CEF-P51-SS-325
CEF-P51-SS-326	CEF-P51-SS-327
CEF-P51-SS-328	CEF-P51-SS-331
CEF-P51-SS-332	

Overview

The sample set for CTO 078, Cecil Field, SDG F7107 consists of sixty-three (63) soil environmental samples. Five (5) field duplicate pairs (CEF-P51-SS-148 / CEF-P51-DUP27, CEF-P51-SS-313 / CEF-P51-DUP28, CEF-P51-SS-276 / CEF-P51-DUP29, CEF-P51-SS-274 / CEF-P51-DUP30 and CEF-P51-SS-292 / CEF-P51-DUP31) were included within this SDG.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on July 18 and 19, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
• Laboratory Blank Analyses
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory blanks at the following maximum concentration:

Analyte	Maximum Concentration	Action Level
Arsenic	6.7µg/L	3.35mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level were qualified, "U", as a result of blank contamination.

Executive Summary

Laboratory Performance: Arsenic was present in laboratory blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A. Phipps

Tetra Tech NUS
Gretchen A. Phipps

Jennifer Noble for

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

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

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-DUP27			CEF-P51-DUP28			CEF-P51-DUP29			CEF-P51-DUP30		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-56			F7107-57			F7107-58			F7107-59		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.3 %			85.0 %			88.9 %			92.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-148			CEF-P51-SS-313			CEF-P51-SS-276			CEF-P51-SS-274		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.0	U	A	1.6	U	A	0.37	U		0.36	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-DUP31			CEF-P51-SS-148			CEF-P51-SS-149			CEF-P51-SS-150		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-60			F7107-1			F7107-2			F7107-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.5 %			88.8 %			90.2 %			84.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-292											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.2	U	A	2.6	U	A	2.4	U	A	4.5		

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-196			CEF-P51-SS-206			CEF-P51-SS-207			CEF-P51-SS-208		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-20			F7107-21			F7107-22			F7107-23		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.5 %			90.5 %			90.4 %			94.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.5	U	A	0.39	U		0.36	U		0.40	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-210			CEF-P51-SS-232			CEF-P51-SS-245			CEF-P51-SS-255		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-25			F7107-24			F7107-26			F7107-38		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	77.6 %			92.2 %			73.7 %			89.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.49	U		0.36	U		0.48	U		0.66	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-256			CEF-P51-SS-257			CEF-P51-SS-258			CEF-P51-SS-259		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-36			F7107-35			F7107-34			F7107-33		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	82.2 %			85.5 %			94.9 %			60.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.5	U	A	1.3	U	A	0.32	U		5.4	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-263			CEF-P51-SS-264			CEF-P51-SS-273			CEF-P51-SS-274		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-31			F7107-32			F7107-39			F7107-42		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.1 %			90.2 %			86.7 %			92.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.36	U		0.44	U		0.52	U	A	0.37	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-275			CEF-P51-SS-276			CEF-P51-SS-277			CEF-P51-SS-278		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-29			F7107-28			F7107-30			F7107-27		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.2 %			88.9 %			87.3 %			85.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.34	U		0.32	U		0.40	U		0.40	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-279			CEF-P51-SS-280			CEF-P51-SS-284			CEF-P51-SS-287		
SAMPLE DATE:	07/18/00			07/19/00			07/19/00			07/18/00		
LABORATORY ID:	F7107-44			F7107-62			F7107-64			F7107-40		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.1 %			87.8 %			93.8 %			93.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.0	U	A	2.0	U	A	0.33	U		0.53	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-288			CEF-P51-SS-289			CEF-P51-SS-290			CEF-P51-SS-291		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-41			F7107-43			F7107-48			F7107-47		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.8 %			91.5 %			89.3 %			90.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.40	U		0.37	U		1.2	U	A	0.43	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-292			CEF-P51-SS-293			CEF-P51-SS-297			CEF-P51-SS-298		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-46			F7107-45			F7107-4			F7107-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.6 %			86.8 %			93.8 %			93.4 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.7	U	A	0.99	U	A	0.38	U		0.43	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-299			CEF-P51-SS-300			CEF-P51-SS-301			CEF-P51-SS-303		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-6			F7107-51			F7107-16			F7107-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.1 %			92.6 %			93.6 %			94.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	8.7			0.53	U	A	0.31	U		0.36	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-304			CEF-P51-SS-308			CEF-P51-SS-309			CEF-P51-SS-310		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-50			F7107-7			F7107-8			F7107-9		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.0 %			93.6 %			87.6 %			92.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.7	U	A	0.37	U		0.98	U	A	0.49	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-311			CEF-P51-SS-312			CEF-P51-SS-313			CEF-P51-SS-314		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-10			F7107-11			F7107-13			F7107-49		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.5 %			88.6 %			83.7 %			91.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	7.1			3.2	U	A	1.1	U	A	0.38	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-318			CEF-P51-SS-319			CEF-P51-SS-320			CEF-P51-SS-321		
SAMPLE DATE:	07/19/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-63			F7107-17			F7107-18			F7107-19		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	79.1 %			89.9 %			93.7 %			94.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.48	U		4.6			0.30	U		0.34	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-322			CEF-P51-SS-325			CEF-P51-SS-326			CEF-P51-SS-327		
SAMPLE DATE:	07/18/00			07/19/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-14			F7107-61			F7107-52			F7107-53		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.6 %			88.3 %			82.3 %			94.5 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.42	U		0.60	U	A	0.38	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-328			CEF-P51-SS-331			CEF-P51-SS-332					
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			/ /		
LABORATORY ID:	F7107-15			F7107-54			F7107-55					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	88.4 %			90.8 %			93.0 %			100.0 %		
UNITS:	MG/KG			MG/KG			MG/KG					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.34	U		0.43	U	A			

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
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

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-DUP27			CEF-P51-DUP28			CEF-P51-DUP29			CEF-P51-DUP30		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-56			F7107-57			F7107-58			F7107-59		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	88.3 %			85.0 %			88.9 %			92.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-148			CEF-P51-SS-313			CEF-P51-SS-276			CEF-P51-SS-274		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.0	U	A	1.6	U	A	0.37	U		0.36	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-DUP31			CEF-P51-SS-148			CEF-P51-SS-149			CEF-P51-SS-150		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-60			F7107-1			F7107-2			F7107-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.5 %			88.8 %			90.2 %			84.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:	CEF-P51-SS-292											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.2	U	A	2.6	U	A	2.4	U	A	4.5		

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-196			CEF-P51-SS-206			CEF-P51-SS-207			CEF-P51-SS-208		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-20			F7107-21			F7107-22			F7107-23		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.5 %			90.5 %			90.4 %			94.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.5	U	A	0.39	U		0.36	U		0.40	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-210			CEF-P51-SS-232			CEF-P51-SS-245			CEF-P51-SS-255		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-25			F7107-24			F7107-26			F7107-38		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	77.6 %			92.2 %			73.7 %			89.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.49	U		0.36	U		0.48	U		0.66	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-256			CEF-P51-SS-257			CEF-P51-SS-258			CEF-P51-SS-259		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-36			F7107-35			F7107-34			F7107-33		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	82.2 %			85.5 %			94.9 %			60.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	2.5	U	A	1.3	U	A	0.32	U		5.4	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-263			CEF-P51-SS-264			CEF-P51-SS-272			CEF-P51-SS-273		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-31			F7107-32			F7107-37			F7107-39		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	89.1 %			90.2 %			93.2 %			86.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.36	U		0.44	U		0.30	U		0.52	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-274			CEF-P51-SS-275			CEF-P51-SS-276			CEF-P51-SS-277		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-42			F7107-29			F7107-28			F7107-30		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.3 %			89.2 %			88.9 %			87.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.37	U	A	0.34	U		0.32	U		0.40	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-278			CEF-P51-SS-279			CEF-P51-SS-280			CEF-P51-SS-284		
SAMPLE DATE:	07/18/00			07/18/00			07/19/00			07/19/00		
LABORATORY ID:	F7107-27			F7107-44			F7107-62			F7107-64		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	85.7 %			89.1 %			87.8 %			93.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.40	U		1.0	U	A	2.0	U	A	0.33	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-287			CEF-P51-SS-288			CEF-P51-SS-289			CEF-P51-SS-290		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-40			F7107-41			F7107-43			F7107-48		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.0 %			91.8 %			91.5 %			89.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.53	U	A	0.40	U		0.37	U		1.2	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-291			CEF-P51-SS-292			CEF-P51-SS-293			CEF-P51-SS-297		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-47			F7107-46			F7107-45			F7107-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	90.0 %			93.6 %			86.8 %			93.8 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.43	U		2.7	U	A	0.99	U	A	0.38	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-298			CEF-P51-SS-299			CEF-P51-SS-300			CEF-P51-SS-301		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-5			F7107-6			F7107-51			F7107-16		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	93.4 %			88.1 %			92.6 %			93.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.43	U	A	8.7			0.53	U	A	0.31	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-303			CEF-P51-SS-304			CEF-P51-SS-308			CEF-P51-SS-309		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-12			F7107-50			F7107-7			F7107-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.8 %			85.0 %			93.6 %			87.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.36	U		2.7	U	A	0.37	U		0.98	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-310			CEF-P51-SS-311			CEF-P51-SS-312			CEF-P51-SS-313		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-9			F7107-10			F7107-11			F7107-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	92.7 %			88.5 %			88.6 %			83.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.49	U	A	7.1			3.2	U	A	1.1	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-314			CEF-P51-SS-318			CEF-P51-SS-319			CEF-P51-SS-320		
SAMPLE DATE:	07/18/00			07/19/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-49			F7107-63			F7107-17			F7107-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	91.0 %			79.1 %			89.9 %			93.7 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		0.48	U		4.6			0.30	U	

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-321			CEF-P51-SS-322			CEF-P51-SS-325			CEF-P51-SS-326		
SAMPLE DATE:	07/18/00			07/18/00			07/19/00			07/18/00		
LABORATORY ID:	F7107-19			F7107-14			F7107-61			F7107-52		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.6 %			88.6 %			88.3 %			82.3 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.34	U		0.41	U		0.42	U		0.60	U	A

CTO078 - NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7107

SAMPLE NUMBER:	CEF-P51-SS-327			CEF-P51-SS-328			CEF-P51-SS-331			CEF-P51-SS-332		
SAMPLE DATE:	07/18/00			07/18/00			07/18/00			07/18/00		
LABORATORY ID:	F7107-53			F7107-15			F7107-54			F7107-55		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	94.5 %			88.4 %			90.8 %			93.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.38	U		0.41	U		0.34	U		0.43	U	A

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP27		
Lab Sample ID:	F7107-56	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.0	0.52	mg/kg	1	07/31/00	08/03/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-DUP28		
Lab Sample ID:	F7107-57	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	85.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	1.6	0.53	mg/kg	1	07/31/00	08/03/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP29		
Lab Sample ID:	F7107-58	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 U*	0.54	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP30		
Lab Sample ID:	F7107-59	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U*	0.52	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-DUP31		
Lab Sample ID:	F7107-60	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.2	0.54	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-148		
Lab Sample ID:	F7107-1	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.6	0.48	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-149		
Lab Sample ID:	F7107-2	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.4	0.57	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-150		
Lab Sample ID:	F7107-3	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	84.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	4.5	0.53	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-196		
Lab Sample ID:	F7107-20	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.5	0.47	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-206		
Lab Sample ID:	F7107-21	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.39 U	0.56	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-207		
Lab Sample ID:	F7107-22	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.36 U	0.52	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-208		
Lab Sample ID:	F7107-23	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	94.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.57	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-210		
Lab Sample ID:	F7107-25	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	77.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.49 U	0.71	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-232		
Lab Sample ID:	F7107-24	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.36 U	0.52	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-245		
Lab Sample ID:	F7107-26	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	73.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.48 U	0.70	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-255		
Lab Sample ID:	F7107-38	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.66	0.50	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-256		
Lab Sample ID:	F7107-36	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	82.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.5	0.52	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-257		
Lab Sample ID:	F7107-35	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	85.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.3	0.57	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-258		
Lab Sample ID:	F7107-34	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	94.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.32 U	0.46	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-259		
Lab Sample ID:	F7107-33	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	60.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	5.4	0.82	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-263		
Lab Sample ID:	F7107-31	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U	0.52	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-264		
Lab Sample ID:	F7107-32	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.44 U	0.64	mg/kg	1	07/28/00	07/31/00 SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-272		
Lab Sample ID:	F7107-37	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.30 U	0.44	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

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Report of Analysis

Client Sample ID:	CEF-P51-SS-273		
Lab Sample ID:	F7107-39	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	86.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.52	0.50	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-274		
Lab Sample ID:	F7107-42	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 B	0.53	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-275		
Lab Sample ID:	F7107-29	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.34 U	0.50	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-276		
Lab Sample ID:	F7107-28	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.32 U	0.46	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

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Report of Analysis

Client Sample ID:	CEF-P51-SS-277		
Lab Sample ID:	F7107-30	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	87.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.40 U	0.58	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-278		
Lab Sample ID:	F7107-27	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	85.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.40 U	0.58	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-279		
Lab Sample ID:	F7107-44	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.0	0.56	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

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Report of Analysis

Client Sample ID:	CEF-P51-SS-280		
Lab Sample ID:	F7107-62	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	87.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.0	0.61	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-284		
Lab Sample ID:	F7107-64	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.33 U	0.48	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-287		
Lab Sample ID:	F7107-40	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.53	0.51	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-288		
Lab Sample ID:	F7107-41	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	91.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.40 U	0.58	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-289		
Lab Sample ID:	F7107-43	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	91.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.54	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-290		
Lab Sample ID:	F7107-48	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.2	0.62	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-291		
Lab Sample ID:	F7107-47	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.43 U	0.62	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-292		
Lab Sample ID:	F7107-46	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	2.7	0.49	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-293		
Lab Sample ID:	F7107-45	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	86.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.99	0.63	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-297		
Lab Sample ID:	F7107-4	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.38 U	0.54	mg/kg	1	07/27/00	08/09/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-298		
Lab Sample ID:	F7107-5	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.43 B	0.50	mg/kg	1	07/27/00	08/09/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-299		
Lab Sample ID:	F7107-6	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	8.7	0.52	mg/kg	1	07/27/00	08/09/00 JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-300		
Lab Sample ID:	F7107-51	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.53 B	0.56	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-301		
Lab Sample ID:	F7107-16	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.31 U	0.45	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-303		
Lab Sample ID:	F7107-12	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	94.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.36 U	0.52	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-304		
Lab Sample ID:	F7107-50	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	85.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	2.7	0.61	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-308		
Lab Sample ID:	F7107-7	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 U	0.54	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-309		
Lab Sample ID:	F7107-8	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	87.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.98	0.59	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-310		
Lab Sample ID:	F7107-9	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	92.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.49 B	0.51	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	CEF-P51-SS-311		
Lab Sample ID:	F7107-10	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	7.1	0.55	mg/kg	1	07/27/00	08/09/00 JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-312		
Lab Sample ID:	F7107-11	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2	0.55	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-313		
Lab Sample ID:	F7107-13	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	83.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.1	0.62	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-314		
Lab Sample ID:	F7107-49	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	91.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.54	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-318		
Lab Sample ID:	F7107-63	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	79.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.48 U	0.69	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-319		
Lab Sample ID:	F7107-17	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	89.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	4.6	0.45	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-320		
Lab Sample ID:	F7107-18	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.30 U	0.44	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-321		
Lab Sample ID:	F7107-19	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	94.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.34 U	0.49	mg/kg	1	07/28/00	07/31/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-322		
Lab Sample ID:	F7107-14	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.41 U	0.59	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-325		
Lab Sample ID:	F7107-61	**Date Sampled:**	07/19/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.42 U	0.62	mg/kg	1	07/29/00	08/05/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-326		
Lab Sample ID:	F7107-52	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	82.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.60	0.52	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-327		
Lab Sample ID:	F7107-53	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	94.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.55	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-328		
Lab Sample ID:	F7107-15	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	88.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.41 U	0.59	mg/kg	1	07/27/00	08/09/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-331		
Lab Sample ID:	F7107-54	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	90.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.34 U	0.50	mg/kg	1	07/28/00	08/01/00	SJL	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-332		
Lab Sample ID:	F7107-55	**Date Sampled:**	07/18/00
Matrix:	SO - Soil	**Date Received:**	07/20/00
		Percent Solids:	93.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.43 B	0.58	mg/kg	1	07/28/00	08/01/00 SJL	SW846 6010A

RL = Reporting Limit

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**AUGUST 28, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F7324 AND F7325

SAMPLES: **F7324**

3/Soils/

CEF-P51-SS-G06B CEF-P51-SS-G16B
CEF-P51-SS-G14B

F7325

2/Soils/

CEF-P21-SU-917-04 CEF-P21-SU-918-05

Overview

The sample set for CTO 078, Cecil Field, SDGs F7324 and F7325 consists of five (5) soil environmental samples.

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on August 9, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * Calibration Verifications
- * Laboratory Blank Analyses
- * Detection Limits

* - All quality control criteria were met for this parameter.

Notes

The Form 1 for sample CEF-P51-SS-G06B was not included within the data package. The laboratory was notified and submitted the missing form.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7324

SAMPLE NUMBER:	CEF-P51-SS-G06B	CEF-P51-SS-G13B	CEF-P51-SS-G14B	
SAMPLE DATE:	08/09/00	08/09/00	08/09/00	/ /
LABORATORY ID:	F7324-3	F7324-2	F7324-1	
QC_TYPE:	NORMAL	NORMAL	NORMAL	
% SOLIDS:	86.4 %	85.2 %	86.6 %	100.0 %
UNITS:	MG/KG	MG/KG	MG/KG	
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	17.5			4.1			15.7					

NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7325

SAMPLE NUMBER:	CEF-P21-SU-917-04	CEF-P21-SU-918-05		
SAMPLE DATE:	08/08/00	08/08/00	/ /	/ /
LABORATORY ID:	F7325-1	F7325-2		
QC_TYPE:	NORMAL	NORMAL		
% SOLIDS:	80.5 %	78.1 %	100.0 %	100.0 %
UNITS:	MG/KG	MG/KG		
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	10.8			6.8								

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-SS-G06B		
Lab Sample ID:	F7324-3	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
		Percent Solids:	86.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	17.5	0.55	mg/kg	1	08/14/00	08/15/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G13B		
Lab Sample ID:	F7324-2	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
		Percent Solids:	85.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	4.1	0.48	mg/kg	1	08/14/00	08/15/00	JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SS-G14B		
Lab Sample ID:	F7324-1	**Date Sampled:**	08/09/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
		Percent Solids:	86.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	15.7	0.54	mg/kg	1	08/14/00	08/15/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P21-SU-917-04		
Lab Sample ID:	F7325-1	**Date Sampled:**	08/08/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
		Percent Solids:	80.5
Project:	NAS Cecil Field-PSC 21		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	10.8	0.55	mg/kg	1	08/14/00	08/15/00 JK	SW846 6010A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P21-SU-918-05		
Lab Sample ID:	F7325-2	**Date Sampled:**	08/08/00
Matrix:	SO - Soil	**Date Received:**	08/11/00
		Percent Solids:	78.1
Project:	NAS Cecil Field-PSC 21		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	6.8	0.53	mg/kg	1	08/14/00	08/15/00 JK	SW846 6010A

RL = Reporting Limit

Technical Memorandum
for
No Further Action

Facility 239, Potential Source of Contamination 51- Golf Course

Naval Air Station Cecil Field
Jacksonville, Florida

VOLUME III OF III - APPENDICES B.2 THROUGH E

Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888

Contract Task Order 0078

May 2002

B.2 SURFACE WATER AND SEDIMENT SAMPLES

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-06-0-024

TO: MARK SPERANZA **DATE:** DECEMBER 29, 2000

FROM: JUSTIN ORBICH **CC:** DV FILE

SUBJECT: ORGANIC DATA VALIDATION – PESTICIDE
CTO 078 – NAS CECIL FIELD
SDG F8117

SAMPLES: 12/Surface Water

CEF-P51-SW-001	CEF-P51-SW-002
CEF-P51-SW-003	CEF-P51-SW-005
CEF-P51-SW-006	CEF-P51-SW-007
CEF-P51-SW-008	CEF-P51-SW-009
CEF-P51-SW-019 RESAMPLE	CEF-P51-SW-027
CEF-P51-SW-028	CEF-P51-SW-DUP2

11/Sediment

CEF-P51-SD-001	CEF-P51-SD-002
CEF-P51-SD-003	CEF-P51-SD-004
CEF-P51-SD-005	CEF-P51-SD-006
CEF-P51-SD-007	CEF-P51-SD-008
CEF-P51-SD-009	CEF-P51-SD-027
CEF-P51-SD-028	

OVERVIEW

The sample set for CTO 078, SDG F8117 Naval Air Station (NAS) Cecil Field; Florida consists of twelve (12) surface water and eleven (11) sediment environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide plus Chlordane. One (1) field duplicate pair (CEF-P51-SW-008/CEF-P51-SW-DUP2) was included within this SDG.

The samples were collected by Tetra Tech, NUS on November 13th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

It should be noted that the laboratory included technical Chlordane in all surface water and sediment samples.

In all samples except for CEF-P51-SW-006 and CEF-P51-SW-009, Dieldrin was analyzed at a 3X due to matrix inference. However, in samples, CEF-P51-SW-006 and CEF-P51-SW-009, Dieldrin was analyzed at a 10X dilution due to matrix interference.

It should be noted that in most sediment samples, 4,4'-DDT, Endrin ketone, Heptachlor, and Methoxychlor was analyzed at a 10X dilution due to matrix interference.

ADDITIONAL COMMENTS

Several samples contained positive results for compounds below the reporting limits. These results were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: None.

MEMO TO: MARK SPERANZA
DATE: DECEMBER 29, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-001			CEF-P51-SW-002			CEF-P51-SW-003			CEF-P51-SW-005		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-18			F8117-14			F8117-16			F8117-10		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.10	U		0.11	U		0.10	U		0.10	U	
4,4'-DDE	0.10	U		0.11	U		0.10	U		0.10	U	
4,4'-DDT	0.10	U		0.11	U		0.10	U		0.10	U	
ALDRIN	0.050	U		0.055	U		0.050	U		0.050	U	
ALPHA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
ALPHA-CHLORDANE	0.10	U		0.11	U		0.10	U		0.10	U	
BETA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
CHLORDANE	0.50	U		0.55	U		0.50	U		0.50	U	
DELTA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
DIELDRIN	0.003	U		0.003	U		0.003	U		0.003	U	
ENDOSULFAN I	0.050	U		0.055	U		0.050	U		0.050	U	
ENDOSULFAN II	0.10	U		0.11	U		0.10	U		0.10	U	
ENDOSULFAN SULFATE	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN ALDEHYDE	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN KETONE	0.10	U		0.11	U		0.10	U		0.10	U	
GAMMA-BHC (LINDANE)	0.050	U		0.055	U		0.050	U		0.050	U	
GAMMA-CHLORDANE	0.10	U		0.11	U		0.10	U		0.10	U	
HEPTACHLOR	0.050	U		0.055	U		0.050	U		0.050	U	
HEPTACHLOR EPOXIDE	0.050	U		0.055	U		0.050	U		0.050	U	
METHOXYCHLOR	0.20	U		0.22	U		0.20	U		0.20	U	
TOXAPHENE	2.5	U		2.8	U		2.5	U		2.5	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-006			CEF-P51-SW-007			CEF-P51-SW-008			CEF-P51-SW-009		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-5			F8117-3			F8117-1			F8117-20		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	0.10	U		0.11	U		0.10	U		0.10	U	
4,4'-DDE	0.10	U		0.11	U		0.10	U		0.10	U	
4,4'-DDT	0.10	U		0.11	U		0.10	U		0.10	U	
ALDRIN	0.050	U		0.055	U		0.050	U		0.050	U	
ALPHA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
ALPHA-CHLORDANE	0.10	U		0.11	U		0.10	U		0.10	U	
BETA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
CHLORDANE	0.50	U		0.55	U		0.50	U		0.50	U	
DELTA-BHC	0.050	U		0.055	U		0.050	U		0.050	U	
DIELDRIN	0.010	U		0.003	U		0.003	U		0.010	U	
ENDOSULFAN I	0.050	U		0.055	U		0.050	U		0.050	U	
ENDOSULFAN II	0.10	U		0.11	U		0.10	U		0.10	U	
ENDOSULFAN SULFATE	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN ALDEHYDE	0.10	U		0.11	U		0.10	U		0.10	U	
ENDRIN KETONE	0.10	U		0.11	U		0.10	U		0.10	U	
GAMMA-BHC (LINDANE)	0.050	U		0.055	U		0.050	U		0.050	U	
GAMMA-CHLORDANE	0.10	U		0.11	U		0.10	U		0.10	U	
HEPTACHLOR	0.050	U		0.055	U		0.050	U		0.050	U	
HEPTACHLOR EPOXIDE	0.050	U		0.055	U		0.050	U		0.050	U	
METHOXYCHLOR	0.20	U		0.22	U		0.20	U		0.20	U	
TOXAPHENE	2.5	U		2.8	U		2.5	U		2.5	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-019 RESAMPLE			CEF-P51-SW-027			CEF-P51-SW-028			CEF-P51-SW-DUP2		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-8			F8117-24			F8117-22			F8117-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:										CEF-P51-SW-008		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.10	U		0.10	U		0.10	U		0.10	U	
4,4'-DDE	0.10	U		0.10	U		0.10	U		0.10	U	
4,4'-DDT	0.10	U		0.10	U		0.10	U		0.10	U	
ALDRIN	0.050	U		0.050	U		0.050	U		0.050	U	
ALPHA-BHC	0.050	U		0.050	U		0.050	U		0.050	U	
ALPHA-CHLORDANE	0.10	U		0.10	U		0.10	U		0.10	U	
BETA-BHC	0.050	U		0.050	U		0.050	U		0.050	U	
CHLORDANE	0.50	U		0.50	U		0.50	U		0.50	U	
DELTA-BHC	0.050	U		0.050	U		0.050	U		0.050	U	
DIELDRIN	0.0084			0.003	U		0.003	U		0.003	U	
ENDOSULFAN I	0.050	U		0.050	U		0.050	U		0.050	U	
ENDOSULFAN II	0.10	U		0.10	U		0.10	U		0.10	U	
ENDOSULFAN SULFATE	0.10	U		0.10	U		0.10	U		0.10	U	
ENDRIN	0.10	U		0.10	U		0.10	U		0.10	U	
ENDRIN ALDEHYDE	0.10	U		0.10	U		0.10	U		0.10	U	
ENDRIN KETONE	0.10	U		0.10	U		0.10	U		0.10	U	
GAMMA-BHC (LINDANE)	0.050	U		0.050	U		0.050	U		0.050	U	
GAMMA-CHLORDANE	0.10	U		0.10	U		0.10	U		0.10	U	
HEPTACHLOR	0.050	U		0.050	U		0.050	U		0.050	U	
HEPTACHLOR EPOXIDE	0.050	U		0.050	U		0.050	U		0.050	U	
METHOXYCHLOR	0.20	U		0.20	U		0.20	U		0.20	U	
TOXAPHENE	2.5	U		2.5	U		2.5	U		2.5	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-001			CEF-P51-SD-002			CEF-P51-SD-003			CEF-P51-SD-004		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-19			F8117-15			F8117-17			F8117-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	76.5 %			73.3 %			74.9 %			77.9 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.4	U		4.5	U		4.4	U		4.3	U	
4,4'-DDE	4.4	U		1.5	J	P	4.4	U		4.3	U	
4,4'-DDT	44	U		45	U		44	U		43	U	
ALDRIN	2.2	U		2.3	U		2.2	U		2.1	U	
ALPHA-BHC	2.2	U		2.3	U		2.2	U		2.1	U	
ALPHA-CHLORDANE	4.4	U		14			4.4	U		4.3	U	
BETA-BHC	2.2	U		2.3	U		2.2	U		2.1	U	
CHLORDANE	22	U		104			22	U		21	U	
DELTA-BHC	2.2	U		2.3	U		2.2	U		2.1	U	
DIELDRIN	2.2	U		2.3	U		2.2	U		2.1	U	
ENDOSULFAN I	2.2	U		2.3	U		2.2	U		2.1	U	
ENDOSULFAN II	4.4	U		4.5	U		4.4	U		4.3	U	
ENDOSULFAN SULFATE	4.4	U		4.5	U		4.4	U		4.3	U	
ENDRIN	4.4	U		4.5	U		4.4	U		4.3	U	
ENDRIN ALDEHYDE	4.4	U		4.5	U		4.4	U		4.3	U	
ENDRIN KETONE	44	U		4.5	U		44	U		4.3	U	
GAMMA-BHC (LINDANE)	2.2	U		2.3	U		2.2	U		2.1	U	
GAMMA-CHLORDANE	4.4	U		13			4.4	U		4.3	U	
HEPTACHLOR	22	U		2.3	U		22	U		2.1	U	
HEPTACHLOR EPOXIDE	2.2	U		2.3	U		2.2	U		2.1	U	
METHOXYCHLOR	87	U		91	U		89	U		85	U	
TOXAPHENE	220	U		230	U		220	U		210	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-005			CEF-P51-SD-006			CEF-P51-SD-007			CEF-P51-SD-008		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-11			F8117-6			F8117-4			F8117-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	78.2 %			71.8 %			65.6 %			76.6 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	4.3	U		4.6	U		5.1	U		4.4	U	
4,4'-DDE	4.3	U		4.6	U		5.1	U		4.4	U	
4,4'-DDT	43	U		46	U		51	U		44	U	
ALDRIN	2.1	U		2.3	U		2.5	U		2.2	U	
ALPHA-BHC	2.1	U		2.3	U		2.5	U		2.2	U	
ALPHA-CHLORDANE	4.3	U		4.6	U		5.1	U		4.4	U	
BETA-BHC	2.1	U		2.3	U		2.5	U		2.2	U	
CHLORDANE	21	U		23	U		25	U		22	U	
DELTA-BHC	2.1	U		2.3	U		2.5	U		2.2	U	
DIELDRIN	2.1	U		2.3	U		2.5	U		2.2	U	
ENDOSULFAN I	2.1	U		2.3	U		2.5	U		2.2	U	
ENDOSULFAN II	4.3	U		4.6	U		5.1	U		4.4	U	
ENDOSULFAN SULFATE	4.3	U		4.6	U		5.1	U		4.4	U	
ENDRIN	4.3	U		4.6	U		5.1	U		4.4	U	
ENDRIN ALDEHYDE	4.3	U		4.6	U		5.1	U		4.4	U	
ENDRIN KETONE	4.3	U		4.6	U		5.1	U		4.4	U	
GAMMA-BHC (LINDANE)	2.1	U		2.3	U		2.5	U		2.2	U	
GAMMA-CHLORDANE	4.3	U		4.6	U		5.1	U		4.4	U	
HEPTACHLOR	2.1	U		2.3	U		2.5	U		2.2	U	
HEPTACHLOR EPOXIDE	2.1	U		2.3	U		2.5	U		2.2	U	
METHOXYCHLOR	85	U		93	U		100	U		87	U	
TOXAPHENE	210	U		230	U		250	U		220	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-009			CEF-P51-SD-027			CEF-P51-SD-028					
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			/ /		
LABORATORY ID:	F8117-21			F8117-25			F8117-23					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	67.9 %			60.9 %			57.8 %			100.0 %		
UNITS:	UG/KG			UG/KG			UG/KG					
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	4.9	U		5.5	U		5.8	U				
4,4'-DDE	4.9	U		5.5	U		5.8	U				
4,4'-DDT	49	U		55	U		58	U				
ALDRIN	2.4	U		2.7	U		2.9	U				
ALPHA-BHC	2.4	U		2.7	U		2.9	U				
ALPHA-CHLORDANE	4.9	U		5.5	U		5.8	U				
BETA-BHC	2.4	U		2.7	U		2.9	U				
CHLORDANE	24	U		27	U		29	U				
DELTA-BHC	2.4	U		2.7	U		2.9	U				
DIELDRIN	2.4	U		2.7	U		2.9	U				
ENDOSULFAN I	2.4	U		2.7	U		2.9	U				
ENDOSULFAN II	4.9	U		5.5	U		5.8	U				
ENDOSULFAN SULFATE	4.9	U		5.5	U		5.8	U				
ENDRIN	4.9	U		5.5	U		5.8	U				
ENDRIN ALDEHYDE	4.9	U		5.5	U		5.8	U				
ENDRIN KETONE	49	U		55	U		58	U				
GAMMA-BHC (LINDANE)	2.4	U		2.7	U		2.9	U				
GAMMA-CHLORDANE	4.9	U		5.5	U		5.8	U				
HEPTACHLOR	24	U		28	U		29	U				
HEPTACHLOR EPOXIDE	2.4	U		2.7	U		2.9	U				
METHOXYCHLOR	98	U		110	U		120	U				
TOXAPHENE	240	U		270	U		290	U				

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SW-001		
Lab Sample ID:	F8117-18		
Matrix:	AQ - Surface Water	**Date Sampled:**	11/13/00
Method:	SW846 3510C/8081A	**Date Received:**	11/14/00
Project:	NAS Cecil Field - PSC51	**Percent Solids:**	n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07990.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-128%
2051-24-3	Decachlorobiphenyl	99%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-001		
Lab Sample ID:	F8117-18A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08100.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		50-128%
2051-24-3	Decachlorobiphenyl	79%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-002		
Lab Sample ID:	F8117-14	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07986.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-128%
2051-24-3	Decachlorobiphenyl	93%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-002		
Lab Sample ID:	F8117-14A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08098.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		50-128%
2051-24-3	Decachlorobiphenyl	71%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-003		
Lab Sample ID:	F8117-16	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07987.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		50-128%
2051-24-3	Decachlorobiphenyl	105%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-003		
Lab Sample ID:	F8117-16A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08099.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		50-128%
2051-24-3	Decachlorobiphenyl	75%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-005		
Lab Sample ID:	F8117-10	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07985.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		50-128%
2051-24-3	Decachlorobiphenyl	68%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-005		
Lab Sample ID:	F8117-10A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08097.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		50-128%
2051-24-3	Decachlorobiphenyl	71%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-006		
Lab Sample ID:	F8117-5	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08018.D	1	11/17/00	SKW	11/15/00	OP2314	GST286
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		50-128%
2051-24-3	Decachlorobiphenyl	90%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-006		
Lab Sample ID:	F8117-5A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08092.D	10	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-128%
2051-24-3	Decachlorobiphenyl	88%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-007		
Lab Sample ID:	F8117-3	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07981.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		50-128%
2051-24-3	Decachlorobiphenyl	96%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-007		
Lab Sample ID:	F8117-3A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08091.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		50-128%
2051-24-3	Decachlorobiphenyl	76%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-008		
Lab Sample ID:	F8117-1	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07980.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		50-128%
2051-24-3	Decachlorobiphenyl	103%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-008		
Lab Sample ID:	F8117-1A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08090.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		50-128%
2051-24-3	Decachlorobiphenyl	77%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-009		
Lab Sample ID:	F8117-20	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08019.D	1	11/17/00	SKW	11/15/00	OP2314	GST286
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		50-128%
2051-24-3	Decachlorobiphenyl	82%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-009		
Lab Sample ID:	F8117-20A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08101.D	10	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		50-128%
2051-24-3	Decachlorobiphenyl	78%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-019 RESAMPLE		
Lab Sample ID:	F8117-8	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07984.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-128%
2051-24-3	Decachlorobiphenyl	100%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-019 RESAMPLE		
Lab Sample ID:	F8117-8A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08094.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin [b]	0.0084	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		50-128%
2051-24-3	Decachlorobiphenyl	85%		11-157%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-027		
Lab Sample ID:	F8117-24	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07993.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82% [a]		50-128%
2051-24-3	Decachlorobiphenyl	86% [a]		11-157%

(a) Surrogate recoveries corrected for double spike.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-027		
Lab Sample ID:	F8117-24A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08103.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		50-128%
2051-24-3	Decachlorobiphenyl	87%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-028		
Lab Sample ID:	F8117-22	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07992.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-128%
2051-24-3	Decachlorobiphenyl	98%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-028		
Lab Sample ID:	F8117-22A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08102.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		50-128%
2051-24-3	Decachlorobiphenyl	86%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP2		
Lab Sample ID:	F8117-7	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07983.D	1	11/16/00	SKW	11/15/00	OP2314	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		50-128%
2051-24-3	Decachlorobiphenyl	74%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP2		
Lab Sample ID:	F8117-7A	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08093.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-128%
2051-24-3	Decachlorobiphenyl	83%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-001		
Lab Sample ID:	F8117-19	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	76.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08198.D	1	11/28/00	SKW	11/27/00	OP2356	GST291
Run #2 [a]	ST08174.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.4	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.4	ug/kg	
72-55-9	4,4'-DDE	ND	4.4	ug/kg	
50-29-3	4,4'-DDT	ND [b]	44	ug/kg	
72-20-8	Endrin	ND	4.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.4	ug/kg	
53494-70-5	Endrin ketone	ND [b]	44	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.4	ug/kg	
76-44-8	Heptachlor	ND [b]	22	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	87	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	89%	50-144%
2051-24-3	Decachlorobiphenyl	96%	125%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-002		
Lab Sample ID:	F8117-15	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	73.3
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08187.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	DD00769.D	1	11/28/00	SKW	11/27/00	OP2356	GDD25
Run #3 [b]	ST08170.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.3	ug/kg	
319-84-6	alpha-BHC	ND	2.3	ug/kg	
319-85-7	beta-BHC	ND	2.3	ug/kg	
319-86-8	delta-BHC	ND	2.3	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.3	ug/kg	
12789-03-6	Chlordane	104 [c]	23	ug/kg	
5103-71-9	alpha-Chlordane	14.4	4.5	ug/kg	
5103-74-2	gamma-Chlordane	13.1	4.5	ug/kg	
60-57-1	Dieldrin	ND	2.3	ug/kg	
72-54-8	4,4'-DDD	ND	4.5	ug/kg	
72-55-9	4,4'-DDE	1.5	4.5	ug/kg	J
50-29-3	4,4'-DDT	ND [d]	45	ug/kg	
72-20-8	Endrin	ND	4.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.5	ug/kg	
53494-70-5	Endrin ketone	ND	4.5	ug/kg	
959-98-8	Endosulfan-I	ND	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	4.5	ug/kg	
76-44-8	Heptachlor	ND	2.3	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.3	ug/kg	
72-43-5	Methoxychlor	ND [d]	91	ug/kg	
8001-35-2	Toxaphene	ND	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	82%	105%	81%	50-144%
2051-24-3	Decachlorobiphenyl	117%	100%	138%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2
(d) Result is from Run# 3

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-003		
Lab Sample ID:	F8117-17	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	74.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08197.D	1	11/28/00	SKW	11/27/00	OP2356	GST291
Run #2 [a]	ST08173.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.4	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.4	ug/kg	
72-55-9	4,4'-DDE	ND	4.4	ug/kg	
50-29-3	4,4'-DDT	ND [b]	44	ug/kg	
72-20-8	Endrin	ND	4.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.4	ug/kg	
53494-70-5	Endrin ketone	ND [b]	44	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.4	ug/kg	
76-44-8	Heptachlor	ND [b]	22	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	89	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	102%	50-144%
2051-24-3	Decachlorobiphenyl	115%	153%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-004		
Lab Sample ID:	F8117-13	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08186.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	ST08169.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [b]	85	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	85%	50-144%
2051-24-3	Decachlorobiphenyl	123%	145%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-005		
Lab Sample ID:	F8117-11	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	78.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08185.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	ST08168.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [b]	85	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	87%	50-144%
2051-24-3	Decachlorobiphenyl	108%	135%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-006		
Lab Sample ID:	F8117-6	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	71.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08184.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	ST08167.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.3	ug/kg	
319-84-6	alpha-BHC	ND	2.3	ug/kg	
319-85-7	beta-BHC	ND	2.3	ug/kg	
319-86-8	delta-BHC	ND	2.3	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.3	ug/kg	
12789-03-6	Chlordane	ND	23	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.6	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.6	ug/kg	
60-57-1	Dieldrin	ND	2.3	ug/kg	
72-54-8	4,4'-DDD	ND	4.6	ug/kg	
72-55-9	4,4'-DDE	ND	4.6	ug/kg	
50-29-3	4,4'-DDT	ND [b]	46	ug/kg	
72-20-8	Endrin	ND	4.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.6	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.6	ug/kg	
53494-70-5	Endrin ketone	ND	4.6	ug/kg	
959-98-8	Endosulfan-I	ND	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	4.6	ug/kg	
76-44-8	Heptachlor	ND	2.3	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.3	ug/kg	
72-43-5	Methoxychlor	ND [b]	93	ug/kg	
8001-35-2	Toxaphene	ND	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	95%	50-144%
2051-24-3	Decachlorobiphenyl	113%	149%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-007		
Lab Sample ID:	F8117-4	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	65.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08183.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	ST08166.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.5	ug/kg	
319-84-6	alpha-BHC	ND	2.5	ug/kg	
319-85-7	beta-BHC	ND	2.5	ug/kg	
319-86-8	delta-BHC	ND	2.5	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.5	ug/kg	
12789-03-6	Chlordane	ND	25	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.1	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.1	ug/kg	
60-57-1	Dieldrin	ND	2.5	ug/kg	
72-54-8	4,4'-DDD	ND	5.1	ug/kg	
72-55-9	4,4'-DDE	ND	5.1	ug/kg	
50-29-3	4,4'-DDT	ND [b]	51	ug/kg	
72-20-8	Endrin	ND	5.1	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.1	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.1	ug/kg	
53494-70-5	Endrin ketone	ND	5.1	ug/kg	
959-98-8	Endosulfan-I	ND	2.5	ug/kg	
33213-65-9	Endosulfan-II	ND	5.1	ug/kg	
76-44-8	Heptachlor	ND	2.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.5	ug/kg	
72-43-5	Methoxychlor	ND [b]	100	ug/kg	
8001-35-2	Toxaphene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	84%	50-144%
2051-24-3	Decachlorobiphenyl	115%	150%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-008		
Lab Sample ID:	F8117-2	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	76.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08182.D	1	11/27/00	SKW	11/27/00	OP2356	GST290
Run #2 [a]	ST08165.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.4	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.4	ug/kg	
72-55-9	4,4'-DDE	ND	4.4	ug/kg	
50-29-3	4,4'-DDT	ND [b]	44	ug/kg	
72-20-8	Endrin	ND	4.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.4	ug/kg	
53494-70-5	Endrin ketone	ND	4.4	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.4	ug/kg	
76-44-8	Heptachlor	ND	2.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	87	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%	86%	50-144%
2051-24-3	Decachlorobiphenyl	128%	143%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-009		
Lab Sample ID:	F8117-21	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	67.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08201.D	1	11/28/00	SKW	11/27/00	OP2356	GST291
Run #2 [a]	ST08177.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.4	ug/kg	
319-84-6	alpha-BHC	ND	2.4	ug/kg	
319-85-7	beta-BHC	ND	2.4	ug/kg	
319-86-8	delta-BHC	ND	2.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.4	ug/kg	
12789-03-6	Chlordane	ND	24	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.9	ug/kg	
60-57-1	Dieldrin	ND	2.4	ug/kg	
72-54-8	4,4'-DDD	ND	4.9	ug/kg	
72-55-9	4,4'-DDE	ND	4.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	49	ug/kg	
72-20-8	Endrin	ND	4.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.9	ug/kg	
53494-70-5	Endrin ketone	ND [b]	49	ug/kg	
959-98-8	Endosulfan-I	ND	2.4	ug/kg	
33213-65-9	Endosulfan-II	ND	4.9	ug/kg	
76-44-8	Heptachlor	ND [b]	24	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.4	ug/kg	
72-43-5	Methoxychlor	ND [b]	98	ug/kg	
8001-35-2	Toxaphene	ND	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	96%	50-144%
2051-24-3	Decachlorobiphenyl	99%	146%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-027		
Lab Sample ID:	F8117-25	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	60.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08203.D	1	11/28/00	SKW	11/27/00	OP2356	GST291
Run #2 [a]	ST08179.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.7	ug/kg	
319-84-6	alpha-BHC	ND	2.7	ug/kg	
319-85-7	beta-BHC	ND	2.7	ug/kg	
319-86-8	delta-BHC	ND	2.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.7	ug/kg	
12789-03-6	Chlordane	ND	27	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.5	ug/kg	
60-57-1	Dieldrin	ND	2.7	ug/kg	
72-54-8	4,4'-DDD	ND	5.5	ug/kg	
72-55-9	4,4'-DDE	ND	5.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	55	ug/kg	
72-20-8	Endrin	ND	5.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.5	ug/kg	
53494-70-5	Endrin ketone	ND [b]	55	ug/kg	
959-98-8	Endosulfan-I	ND	2.7	ug/kg	
33213-65-9	Endosulfan-II	ND	5.5	ug/kg	
76-44-8	Heptachlor	ND [b]	28	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	110	ug/kg	
8001-35-2	Toxaphene	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	90%	50-144%
2051-24-3	Decachlorobiphenyl	92%	148%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SD-028		
Lab Sample ID:	F8117-23	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
Method:	SW846 3550B/8081A	**Percent Solids:**	57.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08202.D	1	11/28/00	SKW	11/27/00	OP2356	GST291
Run #2 [a]	ST08178.D	10	11/27/00	SKW	11/27/00	OP2356	GST290

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.9	ug/kg	
319-84-6	alpha-BHC	ND	2.9	ug/kg	
319-85-7	beta-BHC	ND	2.9	ug/kg	
319-86-8	delta-BHC	ND	2.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.9	ug/kg	
12789-03-6	Chlordane	ND	29	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.8	ug/kg	
60-57-1	Dieldrin	ND	2.9	ug/kg	
72-54-8	4,4'-DDD	ND	5.8	ug/kg	
72-55-9	4,4'-DDE	ND	5.8	ug/kg	
50-29-3	4,4'-DDT	ND [b]	58	ug/kg	
72-20-8	Endrin	ND	5.8	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.8	ug/kg	
53494-70-5	Endrin ketone	ND [b]	58	ug/kg	
959-98-8	Endosulfan-I	ND	2.9	ug/kg	
33213-65-9	Endosulfan-II	ND	5.8	ug/kg	
76-44-8	Heptachlor	ND [b]	29	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	120	ug/kg	
8001-35-2	Toxaphene	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%	86%	50-144%
2051-24-3	Decachlorobiphenyl	95%	152%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-06-0-024

TO: **MARK SPERANZA** **DATE: DECEMBER 28, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PESTICIDE**
CTO 078 – NAS CECIL FIELD
SDG F8095

SAMPLES: 9/Surface Water

CEF-P51-SW-010
CEF-P51-SW-011
CEF-P51-SW-012
CEF-P51-SW-013
CEF-P51-SW-014
CEF-P51-SW-015
CEF-P51-SW-016
CEF-P51-SW-017
CEF-P51-SW-018

11/Sediment

CEF-P51-SD-010
CEF-P51-SD-011
CEF-P51-SD-012
CEF-P51-SD-013
CEF-P51-SD-014
CEF-P51-SD-015
CEF-P51-SD-016
CEF-P51-SD-017
CEF-P51-SD-018
CEF-P51-SD-DUP1
CEF-P51-SD-DUP2

OVERVIEW

The sample set for CTO 078, SDG F8095 Naval Air Station (NAS) Cecil Field; Florida consists of nine (9) surface water and eleven (11) sediment environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide plus Chlordane. Two (2) field duplicate pairs (CEF-P51-SD-011/CEF-P51-SD-DUP1 and CEF-P51-SD-016/CEF-P51-SD-DUP2) were included within this SDG.

The samples were collected by Tetra Tech, NUS on November 9th, 2000 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 8081A 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 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.

PESTICIDE FRACTION

In the sediment samples, results for Methoxychlor and 4,4'-DDT was reported from a 10X dilution due to matrix interference.

Dieldrin in aqueous samples was analyzed at a 3X dilution due to matrix interference.

It should be noted that the laboratory included technical Chlordane in all surface water and sediment samples.

MEMO TO: MARK SPERANZA
DATE: DECEMBER 28, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-010	CEF-P51-SW-011	CEF-P51-SW-012	CEF-P51-SW-013
SAMPLE DATE:	11/09/00	11/09/00	11/09/00	11/09/00
LABORATORY ID:	F8095-15	F8095-17	F8095-13	F8095-19
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	0.0 %	0.0 %	0.0 %	0.0 %
UNITS:	UG/L	UG/L	UG/L	UG/L
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.10	U		0.10	U		0.11	U		0.10	U	
4,4'-DDE	0.10	U		0.10	U		0.11	U		0.10	U	
4,4'-DDT	0.10	U		0.10	U		0.11	U		0.10	U	
ALDRIN	0.050	U		0.050	U		0.055	U		0.050	U	
ALPHA-BHC	0.050	U		0.050	U		0.055	U		0.050	U	
ALPHA-CHLORDANE	0.10	U		0.10	U		0.11	U		0.10	U	
BETA-BHC	0.050	U		0.050	U		0.055	U		0.050	U	
CHLORDANE	0.50	U		0.50	U		0.55	U		0.50	U	
DELTA-BHC	0.050	U		0.050	U		0.055	U		0.050	U	
DIELDRIN	0.003	U		0.0019	J	P	0.0055	U		0.003	U	
ENDOSULFAN I	0.050	U		0.050	U		0.055	U		0.050	U	
ENDOSULFAN II	0.10	U		0.10	U		0.11	U		0.10	U	
ENDOSULFAN SULFATE	0.10	U		0.10	U		0.11	U		0.10	U	
ENDRIN	0.10	U		0.10	U		0.11	U		0.10	U	
ENDRIN ALDEHYDE	0.10	U		0.10	U		0.11	U		0.10	U	
ENDRIN KETONE	0.10	U		0.10	U		0.11	U		0.10	U	
GAMMA-BHC (LINDANE)	0.050	U		0.050	U		0.055	U		0.050	U	
GAMMA-CHLORDANE	0.10	U		0.10	U		0.11	U		0.10	U	
HEPTACHLOR	0.050	U		0.050	U		0.055	U		0.050	U	
HEPTACHLOR EPOXIDE	0.050	U		0.050	U		0.055	U		0.050	U	
METHOXYCHLOR	0.20	U		0.20	U		0.22	U		0.20	U	
TOXAPHENE	2.5	U		2.5	U		2.8	U		2.5	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-014			CEF-P51-SW-015			CEF-P51-SW-016			CEF-P51-SW-017		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-2			F8095-4			F8095-6			F8095-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.11	U		0.10	U		0.11	U		0.11	U	
4,4'-DDE	0.11	U		0.10	U		0.11	U		0.11	U	
4,4'-DDT	0.11	U		0.10	U		0.11	U		0.11	U	
ALDRIN	0.055	U		0.050	U		0.055	U		0.055	U	
ALPHA-BHC	0.055	U		0.050	U		0.055	U		0.055	U	
ALPHA-CHLORDANE	0.11	U		0.10	U		0.11	U		0.11	U	
BETA-BHC	0.055	U		0.050	U		0.055	U		0.055	U	
CHLORDANE	0.55	U		0.50	U		0.55	U		0.55	U	
DELTA-BHC	0.055	U		0.050	U		0.055	U		0.055	U	
DIELDRIN	0.003	U		0.003	U		0.003	U		0.003	U	
ENDOSULFAN I	0.055	U		0.050	U		0.055	U		0.055	U	
ENDOSULFAN II	0.11	U		0.10	U		0.11	U		0.11	U	
ENDOSULFAN SULFATE	0.11	U		0.10	U		0.11	U		0.11	U	
ENDRIN	0.11	U		0.10	U		0.11	U		0.11	U	
ENDRIN ALDEHYDE	0.11	U		0.10	U		0.11	U		0.11	U	
ENDRIN KETONE	0.11	U		0.10	U		0.11	U		0.11	U	
GAMMA-BHC (LINDANE)	0.055	U		0.050	U		0.055	U		0.055	U	
GAMMA-CHLORDANE	0.11	U		0.10	U		0.11	U		0.11	U	
HEPTACHLOR	0.055	U		0.050	U		0.055	U		0.055	U	
HEPTACHLOR EPOXIDE	0.055	U		0.050	U		0.055	U		0.055	U	
METHOXYCHLOR	0.22	U		0.20	U		0.22	U		0.22	U	
TOXAPHENE	2.8	U		2.5	U		2.8	U		2.8	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-018											
SAMPLE DATE:	11/09/00			/ /			/ /			/ /		
LABORATORY ID:	F8095-10											
QC_TYPE:	NORMAL											
% SOLIDS:	0.0 %			100.0 %			100.0 %			100.0 %		
UNITS:	UG/L											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.11	U										
4,4'-DDE	0.11	U										
4,4'-DDT	0.11	U										
ALDRIN	0.055	U										
ALPHA-BHC	0.055	U										
ALPHA-CHLORDANE	0.11	U										
BETA-BHC	0.055	U										
CHLORDANE	0.55	U										
DELTA-BHC	0.055	U										
DIELDRIN	0.003	U										
ENDOSULFAN I	0.055	U										
ENDOSULFAN II	0.11	U										
ENDOSULFAN SULFATE	0.11	U										
ENDRIN	0.11	U										
ENDRIN ALDEHYDE	0.11	U										
ENDRIN KETONE	0.11	U										
GAMMA-BHC (LINDANE)	0.055	U										
GAMMA-CHLORDANE	0.11	U										
HEPTACHLOR	0.055	U										
HEPTACHLOR EPOXIDE	0.055	U										
METHOXYCHLOR	0.22	U										
TOXAPHENE	2.8	U										

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-010	CEF-P51-SD-011	CEF-P51-SD-012	CEF-P51-SD-013
SAMPLE DATE:	11/09/00	11/09/00	11/09/00	11/09/00
LABORATORY ID:	F8095-14	F8095-16	F8095-12	F8095-18
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	77.6 %	76.8 %	61.5 %	67.6 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.3	U		4.3	U		5.4	U		4.2	J	P
4,4'-DDE	4.3	U		4.3	U		5.4	U		7.3		
4,4'-DDT	43	U		43	U		54	U		49	U	
ALDRIN	2.1	U		2.2	U		2.7	U		2.5	U	
ALPHA-BHC	2.1	U		2.2	U		2.7	U		2.5	U	
ALPHA-CHLORDANE	4.3	U		4.3	U		5.4	U		14.6		
BETA-BHC	2.1	U		2.2	U		2.7	U		2.5	U	
CHLORDANE	21	U		22	U		27	U		96.5		
DELTA-BHC	2.1	U		2.2	U		2.7	U		2.5	U	
DIELDRIN	2.1	U		2.2	U		2.7	U		3.8		
ENDOSULFAN I	2.1	U		2.2	U		2.7	U		2.5	U	
ENDOSULFAN II	4.3	U		4.3	U		5.4	U		4.9	U	
ENDOSULFAN SULFATE	4.3	U		4.3	U		5.4	U		4.9	U	
ENDRIN	4.3	U		4.3	U		5.4	U		4.9	U	
ENDRIN ALDEHYDE	4.3	U		4.3	U		5.4	U		4.9	U	
ENDRIN KETONE	4.3	U		4.3	U		5.4	U		4.9	U	
GAMMA-BHC (LINDANE)	2.1	U		2.2	U		2.7	U		2.5	U	
GAMMA-CHLORDANE	4.3	U		4.3	U		5.4	U		13		
HEPTACHLOR	2.1	U		2.2	U		2.7	U		2.5	U	
HEPTACHLOR EPOXIDE	2.1	U		2.2	U		2.7	U		2.5	U	
METHOXYCHLOR	86	U		87	U		110	U		99	U	
TOXAPHENE	210	U		220	U		270	U		250	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-014			CEF-P51-SD-015			CEF-P51-SD-016			CEF-P51-SD-017		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-1			F8095-3			F8095-5			F8095-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	51.2 %			77.6 %			68.4 %			67.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	6.5	U		8.4	J	P	4.9	U		5.0	U	
4,4'-DDE	6.5	U		5.1			4.9	U		3.8	J	P
4,4'-DDT	65	U		43	U		49	U		50	U	
ALDRIN	3.2	U		2.1	U		2.4	U		2.5	U	
ALPHA-BHC	3.2	U		2.1	U		2.4	U		2.5	U	
ALPHA-CHLORDANE	6.5	U		4.3	U		4.9	U		1.7	J	P
BETA-BHC	3.2	U		2.1	U		2.4	U		2.5	U	
CHLORDANE	32	U		21	U		24	U		19.2	J	P
DELTA-BHC	3.2	U		2.1	U		2.4	U		2.5	U	
DIELDRIN	3.2	U		2.1	U		2.4	U		2.5	U	
ENDOSULFAN I	3.2	U		2.1	U		2.4	U		2.5	U	
ENDOSULFAN II	6.5	U		4.3	U		4.9	U		5.0	U	
ENDOSULFAN SULFATE	6.5	U		4.3	U		4.9	U		5.0	U	
ENDRIN	6.5	U		4.3	U		4.9	U		5.0	U	
ENDRIN ALDEHYDE	6.5	U		4.3	U		4.9	U		5.0	U	
ENDRIN KETONE	6.5	U		4.3	U		4.9	U		5.0	U	
GAMMA-BHC (LINDANE)	3.2	U		2.1	U		2.4	U		2.5	U	
GAMMA-CHLORDANE	6.5	U		4.3	U		4.9	U		2.5	J	P
HEPTACHLOR	3.2	U		2.1	U		2.4	U		2.5	U	
HEPTACHLOR EPOXIDE	3.2	U		2.1	U		2.4	U		2.5	U	
METHOXYCHLOR	130	U		86	U		97	U		99	U	
TOXAPHENE	320	U		210	U		240	U		250	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-018			CEF-P51-SD-DUP1			CEF-P51-SD-DUP2					
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			/ /		
LABORATORY ID:	F8095-9			F8095-20			F8095-11					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	74.7 %			77.4 %			66.7 %			100.0 %		
UNITS:	UG/KG			UG/KG			UG/KG					
FIELD DUPLICATE OF:				CEF-P51-SD-011			CEF-P51-SD-016					
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.5	U		4.3	U		3.1	J	P			
4,4'-DDE	1.7	J	P	4.3	U		4.6	J	P			
4,4'-DDT	45	U		43	U		50	U				
ALDRIN	2.2	U		1.8	J	P	2.5	U				
ALPHA-BHC	2.2	U		2.2	U		2.5	U				
ALPHA-CHLORDANE	2.4	J	P	4.3	U		2.2	J	P			
BETA-BHC	2.2	U		2.2	U		2.5	U				
CHLORDANE	26.8			22	U		24.8	J	P			
DELTA-BHC	2.2	U		2.2	U		2.5	U				
DIELDRIN	2.2	U		2.2	U		2.5	U				
ENDOSULFAN I	2.2	U		2.2	U		2.5	U				
ENDOSULFAN II	4.5	U		4.3	U		5.0	U				
ENDOSULFAN SULFATE	4.5	U		4.3	U		5.0	U				
ENDRIN	4.5	U		4.3	U		5.0	U				
ENDRIN ALDEHYDE	4.5	U		4.3	U		5.0	U				
ENDRIN KETONE	4.5	U		4.3	U		5.0	U				
GAMMA-BHC (LINDANE)	2.2	U		2.2	U		2.5	U				
GAMMA-CHLORDANE	2.8	J	P	4.3	U		3.4	J	P			
HEPTACHLOR	2.2	U		2.2	U		2.5	U				
HEPTACHLOR EPOXIDE	2.2	U		2.2	U		2.5	U				
METHOXYCHLOR	89	U		86	U		100	U				
TOXAPHENE	220	U		220	U		250	U				

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SW-010		
Lab Sample ID:	F8095-15	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08007.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		50-128%
2051-24-3	Decachlorobiphenyl	96%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-010		
Lab Sample ID:	F8095-15A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08085.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		50-128%
2051-24-3	Decachlorobiphenyl	73%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-011		
Lab Sample ID:	F8095-17	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08008.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-128%
2051-24-3	Decachlorobiphenyl	98%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-011		
Lab Sample ID:	F8095-17A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08086.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin [b]	0.0019	0.0030	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		50-128%
2051-24-3	Decachlorobiphenyl	72%		11-157%

(a) Dilution required due to matrix interference.
(b) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-012		
Lab Sample ID:	F8095-13	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08006.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		50-128%
2051-24-3	Decachlorobiphenyl	65%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW-012		
Lab Sample ID:	F8095-13A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08082.D	5	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0055	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		50-128%
2051-24-3	Decachlorobiphenyl	67%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-013		
Lab Sample ID:	F8095-19	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08009.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		50-128%
2051-24-3	Decachlorobiphenyl	105%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-013		
Lab Sample ID:	F8095-19A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08087.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		50-128%
2051-24-3	Decachlorobiphenyl	88%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-014		
Lab Sample ID:	F8095-2	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07996.D	1	11/16/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		50-128%
2051-24-3	Decachlorobiphenyl	91%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-014		
Lab Sample ID:	F8095-2A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08077.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		50-128%
2051-24-3	Decachlorobiphenyl	72%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-015		
Lab Sample ID:	F8095-4	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07997.D	1	11/16/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		50-128%
2051-24-3	Decachlorobiphenyl	103%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-015		
Lab Sample ID:	F8095-4A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08078.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		50-128%
2051-24-3	Decachlorobiphenyl	81%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-016		
Lab Sample ID:	F8095-6	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07998.D	1	11/16/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-128%
2051-24-3	Decachlorobiphenyl	94%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-016		
Lab Sample ID:	F8095-6A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08079.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		50-128%
2051-24-3	Decachlorobiphenyl	79%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-017		
Lab Sample ID:	F8095-8	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST07999.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		50-128%
2051-24-3	Decachlorobiphenyl	104%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-017		
Lab Sample ID:	F8095-8A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08080.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		50-128%
2051-24-3	Decachlorobiphenyl	77%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-018		
Lab Sample ID:	F8095-10	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08005.D	1	11/17/00	SKW	11/15/00	OP2312	GST285
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-128%
2051-24-3	Decachlorobiphenyl	97%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-018		
Lab Sample ID:	F8095-10A	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08081.D	3	11/20/00	SKW	11/15/00	OP2313	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		50-128%
2051-24-3	Decachlorobiphenyl	68%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-010		
Lab Sample ID:	F8095-14	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00717.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [a]	DD00679.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [b]	86	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	77%	50-144%
2051-24-3	Decachlorobiphenyl	83%	105%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-011		
Lab Sample ID:	F8095-16	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	76.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00718.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [a]	DD00680.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [b]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	87	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%	100%	50-144%
2051-24-3	Decachlorobiphenyl	101%	131%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-012		
Lab Sample ID:	F8095-12	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	61.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00716.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [a]	DD00678.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.7	ug/kg	
319-84-6	alpha-BHC	ND	2.7	ug/kg	
319-85-7	beta-BHC	ND	2.7	ug/kg	
319-86-8	delta-BHC	ND	2.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.7	ug/kg	
12789-03-6	Chlordane	ND	27	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.4	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.4	ug/kg	
60-57-1	Dieldrin	ND	2.7	ug/kg	
72-54-8	4,4'-DDD	ND	5.4	ug/kg	
72-55-9	4,4'-DDE	ND	5.4	ug/kg	
50-29-3	4,4'-DDT	ND [b]	54	ug/kg	
72-20-8	Endrin	ND	5.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.4	ug/kg	
53494-70-5	Endrin ketone	ND	5.4	ug/kg	
959-98-8	Endosulfan-I	ND	2.7	ug/kg	
33213-65-9	Endosulfan-II	ND	5.4	ug/kg	
76-44-8	Heptachlor	ND	2.7	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.7	ug/kg	
72-43-5	Methoxychlor	ND [b]	110	ug/kg	
8001-35-2	Toxaphene	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%	90%	50-144%
2051-24-3	Decachlorobiphenyl	91%	113%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-013		
Lab Sample ID:	F8095-18	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	67.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00719.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00681.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.5	ug/kg	
319-84-6	alpha-BHC	ND	2.5	ug/kg	
319-85-7	beta-BHC	ND	2.5	ug/kg	
319-86-8	delta-BHC	ND	2.5	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.5	ug/kg	
12789-03-6	Chlordane	96.5	25	ug/kg	
5103-71-9	alpha-Chlordane	14.6	4.9	ug/kg	
5103-74-2	gamma-Chlordane	13.0	4.9	ug/kg	
60-57-1	Dieldrin	3.8	2.5	ug/kg	
72-54-8	4,4'-DDD [c]	4.2	4.9	ug/kg	J
72-55-9	4,4'-DDE	7.3	4.9	ug/kg	
50-29-3	4,4'-DDT	ND [d]	49	ug/kg	
72-20-8	Endrin	ND	4.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.9	ug/kg	
53494-70-5	Endrin ketone	ND	4.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.5	ug/kg	
33213-65-9	Endosulfan-II	ND	4.9	ug/kg	
76-44-8	Heptachlor	ND	2.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.5	ug/kg	
72-43-5	Methoxychlor	ND [d]	99	ug/kg	
8001-35-2	Toxaphene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	122%	102%	50-144%
2051-24-3	Decachlorobiphenyl	94%	118%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) CCV outside of control limits results biased high.
(d) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-014		
Lab Sample ID:	F8095-1	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	51.2
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00708.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [a]	DD00670.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	3.2	ug/kg	
319-84-6	alpha-BHC	ND	3.2	ug/kg	
319-85-7	beta-BHC	ND	3.2	ug/kg	
319-86-8	delta-BHC	ND	3.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.2	ug/kg	
12789-03-6	Chlordane	ND	32	ug/kg	
5103-71-9	alpha-Chlordane	ND	6.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	6.5	ug/kg	
60-57-1	Dieldrin	ND	3.2	ug/kg	
72-54-8	4,4'-DDD	ND	6.5	ug/kg	
72-55-9	4,4'-DDE	ND	6.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	65	ug/kg	
72-20-8	Endrin	ND	6.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.5	ug/kg	
53494-70-5	Endrin ketone	ND	6.5	ug/kg	
959-98-8	Endosulfan-I	ND	3.2	ug/kg	
33213-65-9	Endosulfan-II	ND	6.5	ug/kg	
76-44-8	Heptachlor	ND	3.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	130	ug/kg	
8001-35-2	Toxaphene	ND	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%	77%	50-144%
2051-24-3	Decachlorobiphenyl	73%	90%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-015		
Lab Sample ID:	F8095-3	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00709.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00671.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	ND	21	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.1	ug/kg	
72-54-8	4,4'-DDD [c]	8.4	4.3	ug/kg	J
72-55-9	4,4'-DDE	5.1	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [d]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [d]	86	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	120%	105%	50-144%
2051-24-3	Decachlorobiphenyl	99%	121%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) CCV outside of control limits results biased high.
(d) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-016		
Lab Sample ID:	F8095-5	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	68.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00710.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [a]	DD00672.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.4	ug/kg	
319-84-6	alpha-BHC	ND	2.4	ug/kg	
319-85-7	beta-BHC	ND	2.4	ug/kg	
319-86-8	delta-BHC	ND	2.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.4	ug/kg	
12789-03-6	Chlordane	ND	24	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.9	ug/kg	
60-57-1	Dieldrin	ND	2.4	ug/kg	
72-54-8	4,4'-DDD	ND	4.9	ug/kg	
72-55-9	4,4'-DDE	ND	4.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	49	ug/kg	
72-20-8	Endrin	ND	4.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.9	ug/kg	
53494-70-5	Endrin ketone	ND	4.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.4	ug/kg	
33213-65-9	Endosulfan-II	ND	4.9	ug/kg	
76-44-8	Heptachlor	ND	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.4	ug/kg	
72-43-5	Methoxychlor	ND [b]	97	ug/kg	
8001-35-2	Toxaphene	ND	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	93%	50-144%
2051-24-3	Decachlorobiphenyl	90%	110%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-017		
Lab Sample ID:	F8095-7	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	67.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00711.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00673.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.5	ug/kg	
319-84-6	alpha-BHC	ND	2.5	ug/kg	
319-85-7	beta-BHC	ND	2.5	ug/kg	
319-86-8	delta-BHC	ND	2.5	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.5	ug/kg	
12789-03-6	Chlordane	19.2	25	ug/kg	J
5103-71-9	alpha-Chlordane	1.7	5.0	ug/kg	J
5103-74-2	gamma-Chlordane	2.5	5.0	ug/kg	J
60-57-1	Dieldrin	ND	2.5	ug/kg	
72-54-8	4,4'-DDD	ND	5.0	ug/kg	
72-55-9	4,4'-DDE	3.8	5.0	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	50	ug/kg	
72-20-8	Endrin	ND	5.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.5	ug/kg	
33213-65-9	Endosulfan-II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	2.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.5	ug/kg	
72-43-5	Methoxychlor	ND [c]	99	ug/kg	
8001-35-2	Toxaphene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	88%	50-144%
2051-24-3	Decachlorobiphenyl	88%	87%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-018		
Lab Sample ID:	F8095-9	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	74.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00712.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00674.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	26.8	22	ug/kg	
5103-71-9	alpha-Chlordane	2.4	4.5	ug/kg	J
5103-74-2	gamma-Chlordane	2.8	4.5	ug/kg	J
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.5	ug/kg	
72-55-9	4,4'-DDE	1.7	4.5	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	45	ug/kg	
72-20-8	Endrin	ND	4.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.5	ug/kg	
53494-70-5	Endrin ketone	ND	4.5	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.5	ug/kg	
76-44-8	Heptachlor	ND	2.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [c]	89	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%	90%	50-144%
2051-24-3	Decachlorobiphenyl	94%	102%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP1		
Lab Sample ID:	F8095-20	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	77.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00720.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00682.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	1.8	2.2	ug/kg	J
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.3	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.3	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.3	ug/kg	
72-55-9	4,4'-DDE	ND	4.3	ug/kg	
50-29-3	4,4'-DDT	ND [c]	43	ug/kg	
72-20-8	Endrin	ND	4.3	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.3	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.3	ug/kg	
53494-70-5	Endrin ketone	ND	4.3	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.3	ug/kg	
76-44-8	Heptachlor	ND	2.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [c]	86	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%	91%	50-144%
2051-24-3	Decachlorobiphenyl	90%	107%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP2		
Lab Sample ID:	F8095-11	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
Method:	SW846 3550B/8081A	**Percent Solids:**	66.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00713.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00675.D	10	11/21/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.5	ug/kg	
319-84-6	alpha-BHC	ND	2.5	ug/kg	
319-85-7	beta-BHC	ND	2.5	ug/kg	
319-86-8	delta-BHC	ND	2.5	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.5	ug/kg	
12789-03-6	Chlordane	24.8	25	ug/kg	J
5103-71-9	alpha-Chlordane	2.2	5.0	ug/kg	J
5103-74-2	gamma-Chlordane	3.4	5.0	ug/kg	J
60-57-1	Dieldrin	ND	2.5	ug/kg	
72-54-8	4,4'-DDD	3.1	5.0	ug/kg	J
72-55-9	4,4'-DDE	4.6	5.0	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	50	ug/kg	
72-20-8	Endrin	ND	5.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.5	ug/kg	
33213-65-9	Endosulfan-II	ND	5.0	ug/kg	
76-44-8	Heptachlor	ND	2.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.5	ug/kg	
72-43-5	Methoxychlor	ND [c]	100	ug/kg	
8001-35-2	Toxaphene	ND	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%	101%	50-144%
2051-24-3	Decachlorobiphenyl	89%	117%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-06-0-024

TO: **MARK SPERANZA** **DATE: DECEMBER 28, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PESTICIDE**
CTO 078 – NAS CECIL FIELD
SDG F8104

SAMPLES: 5/Surface Water

CEF-P51-SW-024
CEF-P51-SW-020
CEF-P51-SW-023
CEF-P51-SW-DUP1
CEF-P51-SW-021

9/Sediment

CEF-P51-SD-022
CEF-P51-SD-019
CEF-P51-SD-021
CEF-P51-SD-024
CEF-P51-SD-026
CEF-P51-SD-DUP3
CEF-P51-SD-020
CEF-P51-SD-023
CEF-P51-SD-025

OVERVIEW

The sample set for CTO 078, SDG F8104 Naval Air Station (NAS) Cecil Field; Florida consists of five (5) surface water and nine (9) sediment environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide plus Chlordane. Two (2) field duplicate pairs (CEF-P51-SW-022/CEF-P51-SW-DUP1 and CEF-P51-SD021/CEF-P51-SD-DUP3) were included within this SDG.

The samples were collected by Tetra Tech, NUS on November 10th, 2000 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 8081A 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 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.

MEMO TO: MARK SPERANZA
DATE: DECEMBER 28, 2000 – PAGE 2

PESTICIDE FRACTION

It should be noted that the laboratory included technical Chlordane in all surface water and sediment samples.

It should be noted that the associated sample to duplicate, CEF-P51-SW-DUP1, was not included within this SDG. Therefore, field duplicate precision could not be calculated.

In samples, CEF-P51-SW-020 and CEF-P51-SW-021, Dieldrin was analyzed at a 3X and 10X dilution, respectively, due to matrix interference.

In all sediment samples, 4,4'-DDT and Methoxychlor was analyzed at a 10X dilution due to matrix interference.

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: None.

MEMO TO: MARK SPERANZA
DATE: DECEMBER 28, 2000 – PAGE 3

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U	-	Value is a nondetected result as reported by the laboratory and should not be considered present.
J	-	Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: **F8104**

SAMPLE NUMBER:	CEF-P51-SW-020			CEF-P51-SW-021			CEF-P51-SW-023			CEF-P51-SW-024		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-3			F8104-7			F8104-9			F8104-14		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
PESTICIDES/PCBs												
4,4'-DDD	0.11	U		0.10	U		0.10	U		0.11	U	
4,4'-DDE	0.11	U		0.10	U		0.10	U		0.11	U	
4,4'-DDT	0.11	U		0.10	U		0.10	U		0.11	U	
ALDRIN	0.055	U		0.050	U		0.050	U		0.055	U	
ALPHA-BHC	0.055	U		0.050	U		0.050	U		0.055	U	
ALPHA-CHLORDANE	0.11	U		0.10	U		0.10	U		0.11	U	
BETA-BHC	0.055	U		0.050	U		0.050	U		0.055	U	
CHLORDANE	0.55	U		0.50	U		0.50	U		0.55	U	
DELTA-BHC	0.055	U		0.050	U		0.050	U		0.055	U	
DIELDRIN	0.003	U		0.010	U		0.001	U		0.001	U	
ENDOSULFAN I	0.055	U		0.050	U		0.050	U		0.055	U	
ENDOSULFAN II	0.11	U		0.10	U		0.10	U		0.11	U	
ENDOSULFAN SULFATE	0.11	U		0.10	U		0.10	U		0.11	U	
ENDRIN	0.11	U		0.10	U		0.10	U		0.11	U	
ENDRIN ALDEHYDE	0.11	U		0.10	U		0.10	U		0.11	U	
ENDRIN KETONE	0.11	U		0.10	U		0.10	U		0.11	U	
GAMMA-BHC (LINDANE)	0.055	U		0.050	U		0.050	U		0.055	U	
GAMMA-CHLORDANE	0.11	U		0.10	U		0.10	U		0.11	U	
HEPTACHLOR	0.055	U		0.050	U		0.050	U		0.055	U	
HEPTACHLOR EPOXIDE	0.055	U		0.050	U		0.050	U		0.055	U	
METHOXYCHLOR	0.22	U		0.20	U		0.20	U		0.22	U	
TOXAPHENE	2.8	U		2.5	U		2.5	U		2.8	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: **F8104**

SAMPLE NUMBER:	CEF-P51-SW-DUP1											
SAMPLE DATE:	11/10/00			/ /			/ /			/ /		
LABORATORY ID:	F8104-16											
QC_TYPE:	NORMAL											
% SOLIDS:	0.0 %			100.0 %			100.0 %			100.0 %		
UNITS:	UG/L											
FIELD DUPLICATE OF:	CEF-P51-SW-022											
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.11	U										
4,4'-DDE	0.11	U										
4,4'-DDT	0.11	U										
ALDRIN	0.055	U										
ALPHA-BHC	0.055	U										
ALPHA-CHLORDANE	0.11	U										
BETA-BHC	0.055	U										
CHLORDANE	0.55	U										
DELTA-BHC	0.055	U										
DIELDRIN	0.001	U										
ENDOSULFAN I	0.055	U										
ENDOSULFAN II	0.11	U										
ENDOSULFAN SULFATE	0.11	U										
ENDRIN	0.11	U										
ENDRIN ALDEHYDE	0.11	U										
ENDRIN KETONE	0.11	U										
GAMMA-BHC (LINDANE)	0.055	U										
GAMMA-CHLORDANE	0.11	U										
HEPTACHLOR	0.055	U										
HEPTACHLOR EPOXIDE	0.055	U										
METHOXYCHLOR	0.22	U										
TOXAPHENE	2.8	U										

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD-019			CEF-P51-SD-020			CEF-P51-SD-021			CEF-P51-SD-022		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-2			F8104-4			F8104-8			F8104-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	82.8 %			79.1 %			65.1 %			84.5 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.0	U		4.2	U		5.1	U		3.9	U	
4,4'-DDE	1.3	J	P	4.2	U		5.1	U		3.9	U	
4,4'-DDT	40	U		42	U		51	U		39	U	
ALDRIN	2.0	U		2.1	U		2.6	U		2.0	U	
ALPHA-BHC	2.0	U		2.1	U		2.6	U		2.0	U	
ALPHA-CHLORDANE	4.7			3.8	J	P	5.1	U		3.9	U	
BETA-BHC	2.0	U		2.1	U		2.6	U		2.0	U	
CHLORDANE	26.5			21.4			26	U		20	U	
DELTA-BHC	2.0	U		2.1	U		2.6	U		2.0	U	
DIELDRIN	1.1	J	P	1.3	J	P	2.6	U		2.0	U	
ENDOSULFAN I	2.0	U		2.1	U		2.6	U		2.0	U	
ENDOSULFAN II	4.0	U		4.2	U		5.1	U		3.9	U	
ENDOSULFAN SULFATE	4.0	U		4.2	U		5.1	U		3.9	U	
ENDRIN	4.0	U		4.2	U		5.1	U		3.9	U	
ENDRIN ALDEHYDE	4.0	U		4.2	U		5.1	U		3.9	U	
ENDRIN KETONE	4.0	U		4.2	U		5.1	U		3.9	U	
GAMMA-BHC (LINDANE)	2.0	U		2.1	U		2.6	U		2.0	U	
GAMMA-CHLORDANE	3.0	J	P	2.3	J	P	5.1	U		3.9	U	
HEPTACHLOR	2.0	U		2.1	U		2.6	U		2.0	U	
HEPTACHLOR EPOXIDE	2.0	U		2.1	U		2.6	U		2.0	U	
METHOXYCHLOR	80	U		84	U		100	U		79	U	
TOXAPHENE	200	U		210	U		260	U		200	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD-023			CEF-P51-SD-024			CEF-P51-SD-025			CEF-P51-SD-026		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-10			F8104-15			F8104-5			F8104-6		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	70.7 %			74.6 %			52.1 %			58.0 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.7	U		4.5	U		6.4	U		5.7	U	
4,4'-DDE	4.7	U		4.5	U		4.0	J	P	5.7	U	
4,4'-DDT	47	U		45	U		64	U		57	U	
ALDRIN	2.4	U		2.2	U		3.2	U		2.9	U	
ALPHA-BHC	2.4	U		2.2	U		3.2	U		2.9	U	
ALPHA-CHLORDANE	4.7	U		4.5	U		13.4			5.7	U	
BETA-BHC	2.4	U		2.2	U		3.2	U		2.9	U	
CHLORDANE	24	U		22	U		83.7			29	U	
DELTA-BHC	2.4	U		2.2	U		3.2	U		2.9	U	
DIELDRIN	2.4	U		2.2	U		1.9	J	P	2.9	U	
ENDOSULFAN I	2.4	U		2.2	U		3.2	U		2.9	U	
ENDOSULFAN II	4.7	U		4.5	U		6.4	U		5.7	U	
ENDOSULFAN SULFATE	4.7	U		4.5	U		6.4	U		5.7	U	
ENDRIN	4.7	U		4.5	U		6.4	U		5.7	U	
ENDRIN ALDEHYDE	4.7	U		4.5	U		6.4	U		5.7	U	
ENDRIN KETONE	4.7	U		4.5	U		6.4	U		5.7	U	
GAMMA-BHC (LINDANE)	2.4	U		2.2	U		3.2	U		2.9	U	
GAMMA-CHLORDANE	4.7	U		4.5	U		8.1			5.7	U	
HEPTACHLOR	2.4	U		2.2	U		3.2	U		2.9	U	
HEPTACHLOR EPOXIDE	2.4	U		2.2	U		3.2	U		2.9	U	
METHOXYCHLOR	94	U		89	U		130	U		110	U	
TOXAPHENE	240	U		220	U		320	U		290	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD-DUP3			
SAMPLE DATE:	11/10/00	/ /	/ /	/ /
LABORATORY ID:	F8104-11			
QC_TYPE:	NORMAL			
% SOLIDS:	73.6 %	100.0 %	100.0 %	100.0 %
UNITS:	UG/KG			
FIELD DUPLICATE OF:	CEF-P51-SD-021			

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	4.5	U										
4,4'-DDE	4.5	U										
4,4'-DDT	45	U										
ALDRIN	2.3	U										
ALPHA-BHC	2.3	U										
ALPHA-CHLORDANE	4.5	U										
BETA-BHC	2.3	U										
CHLORDANE	23	U										
DELTA-BHC	2.3	U										
DIELDRIN	2.3	U										
ENDOSULFAN I	2.3	U										
ENDOSULFAN II	4.5	U										
ENDOSULFAN SULFATE	4.5	U										
ENDRIN	4.5	U										
ENDRIN ALDEHYDE	4.5	U										
ENDRIN KETONE	4.5	U										
GAMMA-BHC (LINDANE)	2.3	U										
GAMMA-CHLORDANE	4.5	U										
HEPTACHLOR	2.3	U										
HEPTACHLOR EPOXIDE	2.3	U										
METHOXYCHLOR	90	U										
TOXAPHENE	230	U										

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SW-024		
Lab Sample ID:	F8104-14	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00649.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		50-128%
2051-24-3	Decachlorobiphenyl	105%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-024		
Lab Sample ID:	F8104-14A	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08109.D	1	11/21/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		50-128%
2051-24-3	Decachlorobiphenyl	91%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP1		
Lab Sample ID:	F8104-16	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00654.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-128%
2051-24-3	Decachlorobiphenyl	109%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP1		
Lab Sample ID:	F8104-16A	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08112.D	1	11/21/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		50-128%
2051-24-3	Decachlorobiphenyl	86%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW020		
Lab Sample ID:	F8104-3	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00646.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		50-128%
2051-24-3	Decachlorobiphenyl	86%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW020		
Lab Sample ID:	F8104-3A	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08106.D	3	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		50-128%
2051-24-3	Decachlorobiphenyl	55%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW021		
Lab Sample ID:	F8104-7	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00647.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-128%
2051-24-3	Decachlorobiphenyl	94%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW021		
Lab Sample ID:	F8104-7A	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08107.D	10	11/20/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-128%
2051-24-3	Decachlorobiphenyl	89%		11-157%

(a) Dilution required due to matrix interference.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW023		
Lab Sample ID:	F8104-9	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00648.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		50-128%
2051-24-3	Decachlorobiphenyl	101%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SW023		
Lab Sample ID:	F8104-9A	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08108.D	1	11/21/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		50-128%
2051-24-3	Decachlorobiphenyl	95%		11-157%

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-022		
Lab Sample ID:	F8104-13		
Matrix:	SO - Soil	**Date Sampled:**	11/10/00
Method:	SW846 3550B/8081A	**Date Received:**	11/11/00
Project:	NAS Cecil Field - PSC51	**Percent Solids:**	84.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00749.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00695.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	ND	20	ug/kg	
5103-71-9	alpha-Chlordane	ND	3.9	ug/kg	
5103-74-2	gamma-Chlordane	ND	3.9	ug/kg	
60-57-1	Dieldrin	ND	2.0	ug/kg	
72-54-8	4,4'-DDD	ND	3.9	ug/kg	
72-55-9	4,4'-DDE	ND	3.9	ug/kg	
50-29-3	4,4'-DDT	ND [b]	39	ug/kg	
72-20-8	Endrin	ND	3.9	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.9	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.9	ug/kg	
53494-70-5	Endrin ketone	ND	3.9	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	3.9	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [b]	79	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	85%	50-144%
2051-24-3	Decachlorobiphenyl	95%	112%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP3		
Lab Sample ID:	F8104-11	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	73.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00748.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00694.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.3	ug/kg	
319-84-6	alpha-BHC	ND	2.3	ug/kg	
319-85-7	beta-BHC	ND	2.3	ug/kg	
319-86-8	delta-BHC	ND	2.3	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.3	ug/kg	
12789-03-6	Chlordane	ND	23	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.5	ug/kg	
60-57-1	Dieldrin	ND	2.3	ug/kg	
72-54-8	4,4'-DDD	ND	4.5	ug/kg	
72-55-9	4,4'-DDE	ND	4.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	45	ug/kg	
72-20-8	Endrin	ND	4.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.5	ug/kg	
53494-70-5	Endrin ketone	ND	4.5	ug/kg	
959-98-8	Endosulfan-I	ND	2.3	ug/kg	
33213-65-9	Endosulfan-II	ND	4.5	ug/kg	
76-44-8	Heptachlor	ND	2.3	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.3	ug/kg	
72-43-5	Methoxychlor	ND [b]	90	ug/kg	
8001-35-2	Toxaphene	ND	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	80%	50-144%
2051-24-3	Decachlorobiphenyl	87%	101%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD019		
Lab Sample ID:	F8104-2	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	82.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00721.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00683.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.0	ug/kg	
319-84-6	alpha-BHC	ND	2.0	ug/kg	
319-85-7	beta-BHC	ND	2.0	ug/kg	
319-86-8	delta-BHC	ND	2.0	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.0	ug/kg	
12789-03-6	Chlordane	26.5	20	ug/kg	
5103-71-9	alpha-Chlordane	4.7	4.0	ug/kg	
5103-74-2	gamma-Chlordane	3.0	4.0	ug/kg	J
60-57-1	Dieldrin	1.1	2.0	ug/kg	J
72-54-8	4,4'-DDD	ND	4.0	ug/kg	
72-55-9	4,4'-DDE	1.3	4.0	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	40	ug/kg	
72-20-8	Endrin	ND	4.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.0	ug/kg	
53494-70-5	Endrin ketone	ND	4.0	ug/kg	
959-98-8	Endosulfan-I	ND	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	4.0	ug/kg	
76-44-8	Heptachlor	ND	2.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.0	ug/kg	
72-43-5	Methoxychlor	ND [c]	80	ug/kg	
8001-35-2	Toxaphene	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%	96%	50-144%
2051-24-3	Decachlorobiphenyl	97%	116%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	CEF-P51-SD020		
Lab Sample ID:	F8104-4	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	79.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00722.D	1	11/22/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00684.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.1	ug/kg	
319-84-6	alpha-BHC	ND	2.1	ug/kg	
319-85-7	beta-BHC	ND	2.1	ug/kg	
319-86-8	delta-BHC	ND	2.1	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.1	ug/kg	
12789-03-6	Chlordane	21.4	21	ug/kg	
5103-71-9	alpha-Chlordane	3.8	4.2	ug/kg	J
5103-74-2	gamma-Chlordane	2.3	4.2	ug/kg	J
60-57-1	Dieldrin	1.3	2.1	ug/kg	J
72-54-8	4,4'-DDD	ND	4.2	ug/kg	
72-55-9	4,4'-DDE	ND	4.2	ug/kg	
50-29-3	4,4'-DDT	ND [c]	42	ug/kg	
72-20-8	Endrin	ND	4.2	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.2	ug/kg	
53494-70-5	Endrin ketone	ND	4.2	ug/kg	
959-98-8	Endosulfan-I	ND	2.1	ug/kg	
33213-65-9	Endosulfan-II	ND	4.2	ug/kg	
76-44-8	Heptachlor	ND	2.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.1	ug/kg	
72-43-5	Methoxychlor	ND [c]	84	ug/kg	
8001-35-2	Toxaphene	ND	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	93%	50-144%
2051-24-3	Decachlorobiphenyl	89%	116%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD021		
Lab Sample ID:	F8104-8	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	65.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00746.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00692.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.6	ug/kg	
319-84-6	alpha-BHC	ND	2.6	ug/kg	
319-85-7	beta-BHC	ND	2.6	ug/kg	
319-86-8	delta-BHC	ND	2.6	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.6	ug/kg	
12789-03-6	Chlordane	ND	26	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.1	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.1	ug/kg	
60-57-1	Dieldrin	ND	2.6	ug/kg	
72-54-8	4,4'-DDD	ND	5.1	ug/kg	
72-55-9	4,4'-DDE	ND	5.1	ug/kg	
50-29-3	4,4'-DDT	ND [b]	51	ug/kg	
72-20-8	Endrin	ND	5.1	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.1	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.1	ug/kg	
53494-70-5	Endrin ketone	ND	5.1	ug/kg	
959-98-8	Endosulfan-I	ND	2.6	ug/kg	
33213-65-9	Endosulfan-II	ND	5.1	ug/kg	
76-44-8	Heptachlor	ND	2.6	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.6	ug/kg	
72-43-5	Methoxychlor	ND [b]	100	ug/kg	
8001-35-2	Toxaphene	ND	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%	104%	50-144%
2051-24-3	Decachlorobiphenyl	102%	130%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD023		
Lab Sample ID:	F8104-10	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	70.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00747.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00693.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.4	ug/kg	
319-84-6	alpha-BHC	ND	2.4	ug/kg	
319-85-7	beta-BHC	ND	2.4	ug/kg	
319-86-8	delta-BHC	ND	2.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.4	ug/kg	
12789-03-6	Chlordane	ND	24	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.7	ug/kg	
60-57-1	Dieldrin	ND	2.4	ug/kg	
72-54-8	4,4'-DDD	ND	4.7	ug/kg	
72-55-9	4,4'-DDE	ND	4.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	47	ug/kg	
72-20-8	Endrin	ND	4.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.7	ug/kg	
53494-70-5	Endrin ketone	ND	4.7	ug/kg	
959-98-8	Endosulfan-I	ND	2.4	ug/kg	
33213-65-9	Endosulfan-II	ND	4.7	ug/kg	
76-44-8	Heptachlor	ND	2.4	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.4	ug/kg	
72-43-5	Methoxychlor	ND [b]	94	ug/kg	
8001-35-2	Toxaphene	ND	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	83%	50-144%
2051-24-3	Decachlorobiphenyl	84%	107%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD024		
Lab Sample ID:	F8104-15	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	74.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00750.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00696.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.2	ug/kg	
319-84-6	alpha-BHC	ND	2.2	ug/kg	
319-85-7	beta-BHC	ND	2.2	ug/kg	
319-86-8	delta-BHC	ND	2.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.2	ug/kg	
12789-03-6	Chlordane	ND	22	ug/kg	
5103-71-9	alpha-Chlordane	ND	4.5	ug/kg	
5103-74-2	gamma-Chlordane	ND	4.5	ug/kg	
60-57-1	Dieldrin	ND	2.2	ug/kg	
72-54-8	4,4'-DDD	ND	4.5	ug/kg	
72-55-9	4,4'-DDE	ND	4.5	ug/kg	
50-29-3	4,4'-DDT	ND [b]	45	ug/kg	
72-20-8	Endrin	ND	4.5	ug/kg	
1031-07-8	Endosulfan sulfate	ND	4.5	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.5	ug/kg	
53494-70-5	Endrin ketone	ND	4.5	ug/kg	
959-98-8	Endosulfan-I	ND	2.2	ug/kg	
33213-65-9	Endosulfan-II	ND	4.5	ug/kg	
76-44-8	Heptachlor	ND	2.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.2	ug/kg	
72-43-5	Methoxychlor	ND [b]	89	ug/kg	
8001-35-2	Toxaphene	ND	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	79%	50-144%
2051-24-3	Decachlorobiphenyl	96%	109%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD025		
Lab Sample ID:	F8104-5	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	52.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00723.D	1	11/23/00	SKW	11/21/00	OP2338	GDD23
Run #2 [b]	DD00685.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	3.2	ug/kg	
319-84-6	alpha-BHC	ND	3.2	ug/kg	
319-85-7	beta-BHC	ND	3.2	ug/kg	
319-86-8	delta-BHC	ND	3.2	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.2	ug/kg	
12789-03-6	Chlordane	83.7	32	ug/kg	
5103-71-9	alpha-Chlordane	13.4	6.4	ug/kg	
5103-74-2	gamma-Chlordane	8.1	6.4	ug/kg	
60-57-1	Dieldrin	1.9	3.2	ug/kg	J
72-54-8	4,4'-DDD	ND	6.4	ug/kg	
72-55-9	4,4'-DDE	4.0	6.4	ug/kg	J
50-29-3	4,4'-DDT	ND [c]	64	ug/kg	
72-20-8	Endrin	ND	6.4	ug/kg	
1031-07-8	Endosulfan sulfate	ND	6.4	ug/kg	
7421-93-4	Endrin aldehyde	ND	6.4	ug/kg	
53494-70-5	Endrin ketone	ND	6.4	ug/kg	
959-98-8	Endosulfan-I	ND	3.2	ug/kg	
33213-65-9	Endosulfan-II	ND	6.4	ug/kg	
76-44-8	Heptachlor	ND	3.2	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.2	ug/kg	
72-43-5	Methoxychlor	ND [c]	130	ug/kg	
8001-35-2	Toxaphene	ND	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%	90%	50-144%
2051-24-3	Decachlorobiphenyl	87%	108%	10-180%

(a) All hits confirmed by dual column analysis.
(b) Dilution required due to matrix interference.
(c) Result is from Run# 2

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

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Report of Analysis

Client Sample ID:	CEF-P51-SD026		
Lab Sample ID:	F8104-6	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
Method:	SW846 3550B/8081A	**Percent Solids:**	58.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00745.D	1	11/27/00	SKW	11/21/00	OP2338	GDD24
Run #2 [a]	DD00691.D	10	11/22/00	SKW	11/21/00	OP2338	GDD22

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	2.9	ug/kg	
319-84-6	alpha-BHC	ND	2.9	ug/kg	
319-85-7	beta-BHC	ND	2.9	ug/kg	
319-86-8	delta-BHC	ND	2.9	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.9	ug/kg	
12789-03-6	Chlordane	ND	29	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.7	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.7	ug/kg	
60-57-1	Dieldrin	ND	2.9	ug/kg	
72-54-8	4,4'-DDD	ND	5.7	ug/kg	
72-55-9	4,4'-DDE	ND	5.7	ug/kg	
50-29-3	4,4'-DDT	ND [b]	57	ug/kg	
72-20-8	Endrin	ND	5.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.7	ug/kg	
53494-70-5	Endrin ketone	ND	5.7	ug/kg	
959-98-8	Endosulfan-I	ND	2.9	ug/kg	
33213-65-9	Endosulfan-II	ND	5.7	ug/kg	
76-44-8	Heptachlor	ND	2.9	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.9	ug/kg	
72-43-5	Methoxychlor	ND [b]	110	ug/kg	
8001-35-2	Toxaphene	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	81%	50-144%
2051-24-3	Decachlorobiphenyl	89%	102%	10-180%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2

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

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JANUARY 24, 2000**
FROM:	**DOUGLAS S. SCHLOER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PEST CTO 078, NAS CECIL FIELD SDG F8134**		
SAMPLES:	2 / Surface Water / PEST		
	CEF-P51-SW004	CEF-P51-SW022-RESAMPLE	

OVERVIEW

The sample set for CTO 078, NAS Cecil Field; SDG F8134 consists of two (2) surface water environmental samples. The samples were analyzed for organochlorine pesticides. No field duplicate pairs were included in this SDG.

The samples were collected by TetraTech NUS on November 15th, 2000 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 Method 8081A analytical and reporting protocol. 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
- * Surrogate spike recoveries
- * 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 formulated to address only gross noncompliances resulting in the rejection of data and the elimination of false positives.

Pesticide

Calibration verification percent Differences (%Ds) exceeded the 15% quality control limit on both analytical columns for 4,4'-DDT and Methoxychlor on instrument ECD-4, on 11/17/00, at 1516. These noncompliances did not warrant qualification as only limited data review is being performed.

Calibration verification %Ds exceeded the 15% quality control limit on both analytical columns for 4,4'-DDT and Methoxychlor on instrument ECD-4, on 11/17/00, at 17:57. These noncompliances did not warrant qualification as only limited data review is being performed.

Due to sample matrix effects, both samples in this SDG were re-analyzed for Dieldrin at a 3X dilution. This accounts for the elevated reporting limits for Dieldrin in these samples.

Additional Comments

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

It should be noted for data completeness that on instrument ECD-3, the calibration verification standard %D summary following the Dieldrin analysis of both samples was not present in the data package.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Calibration verification of several pesticide compounds failed to comply with quality control criteria.

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 "Navy 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

Douglas S. Schloer
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

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8134

SAMPLE NUMBER:	CEF-P51-SW-022RESAMPLE	CEF-P51-SW004		
SAMPLE DATE:	11/15/00	11/15/00	/ /	/ /
LABORATORY ID:	F8134-1	F8134-2		
QC_TYPE:	NORMAL	NORMAL		
% SOLIDS:	0.0 %	0.0 %	100.0 %	100.0 %
UNITS:	UG/L	UG/L		
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.1	U		0.1	U							
4,4'-DDE	0.1	U		0.1	U							
4,4'-DDT	0.1	U		0.1	U							
ALDRIN	0.05	U		0.05	U							
ALPHA-BHC	0.05	U		0.05	U							
ALPHA-CHLORDANE	0.1	U		0.1	U							
BETA-BHC	0.05	U		0.05	U							
CHLORDANE	0.5	U		0.5	U							
DELTA-BHC	0.05	U		0.05	U							
DIELDRIN	0.003	U		0.003	U							
ENDOSULFAN I	0.05	U		0.05	U							
ENDOSULFAN II	0.1	U		0.1	U							
ENDOSULFAN SULFATE	0.1	U		0.1	U							
ENDRIN	0.1	U		0.1	U							
ENDRIN ALDEHYDE	0.1	U		0.1	U							
ENDRIN KETONE	0.1	U		0.1	U							
GAMMA-BHC (LINDANE)	0.05	U		0.05	U							
GAMMA-CHLORDANE	0.1	U		0.1	U							
HEPTACHLOR	0.05	U		0.05	U							
HEPTACHLOR EPOXIDE	0.05	U		0.05	U							
METHOXYCHLOR	0.2	U		0.2	U							
TOXAPHENE	2.5	U		2.5	U							

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-SW004		
Lab Sample ID:	F8134-2	**Date Sampled:**	11/15/00
Matrix:	AQ - Surface Water	**Date Received:**	11/16/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00656.D	1	11/17/00	SKW	11/16/00	OP2318	GDD21
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		50-128%
2051-24-3	Decachlorobiphenyl	72%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-SW004		
Lab Sample ID:	F8134-2A	**Date Sampled:**	11/15/00
Matrix:	AQ - Surface Water	**Date Received:**	11/16/00
Method:	SW846 3510C/8081A	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST08114.D	3	11/21/00	SKW	11/16/00	OP2315	GST288
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0030	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		50-128%
2051-24-3	Decachlorobiphenyl	75%		11-157%

(a) Dilution required due to matrix interference.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JANUARY 16, 2001**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F8095, F8117, F8104 AND F8266

SAMPLES: **F8095**

9/Aqueous/

CEF-P51-SW-010	CEF-P51-SW-011
CEF-P51-SW-012	CEF-P51-SW-013
CEF-P51-SW-014	CEF-P51-SW-015
CEF-P51-SW-016	CEF-P51-SW-017
CEF-P51-SW-018	

11/Sediments/

CEF-P51-SD-010	CEF-P51-SD-011
CEF-P51-SD-012	CEF-P51-SD-013
CEF-P51-SD-014	CEF-P51-SD-015
CEF-P51-SD-016	CEF-P51-SD-017
CEF-P51-SD-018	CEF-P51-SD-DUP1
CEF-P51-SD-DUP2	

F8117

12/Aqueous/

CEF-P51-SW-001	CEF-P51-SW-002
CEF-P51-SW-003	CEF-P51-SW-004
CEF-P51-SW-005	CEF-P51-SW-006
CEF-P51-SW-007	CEF-P51-SW-008
CEF-P51-SW-009	CEF-P51-SW-027
CEF-P51-SW-028	CEF-P51-SW-DUP2

11/Sediments/

CEF-P51-SD-001	CEF-P51-SD-002
CEF-P51-SD-003	CEF-P51-SD-004
CEF-P51-SD-005	CEF-P51-SD-006
CEF-P51-SD-007	CEF-P51-SD-008
CEF-P51-SD-009	CEF-P51-SD-027
CEF-P51-SD-028	

F8104

7/Aqueous/

CEF-P51-SW-022	CEF-P51-SW-024
CEF-P51-SW-DUP1	CEF-P51-SW-019
CEF-P51-SW-020	CEF-P51-SW-021
CEF-P51-SW-023	

9/Sediments/

CEF-P51-SD-022	CEF-P51-SD-DUP3
CEF-P51-SD-019	CEF-P51-SD-020
CEF-P51-SD-021	CEF-P51-SD-023
CEF-P51-SD-024	CEF-P51-SD-025
CEF-P51-SD-026	

F8266

4/Aqueous/

CEF-P51-GW-02S-01	CEF-P51-GW-04S-01
CEF-P51-GW-05S-01	CEF-P51-GW-07S-02

Overview

The sample set for CTO 078, Cecil Field, SDGs F8095, F8117, F8104 and F8266, consists of thirty- two (32) aqueous and thirty-one (31) soil environmental samples. Five (5) field duplicate pairs were included within these SDGs:

CEF-P51-SD-DUP1 / CEF-P51-SD-011
CEF-P51-SD-DUP2 / CEF-P51-SD-016
CEF-P51-SD-DUP3 / CEF-P51-SD-021
CEF-P51-SW-DUP1 / CEF-P51-SW-022
CEF-P51-SW-DUP2 / CEF-P51-SW-008

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on November 8-10, 13, 28 and 30, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
• Laboratory Blank Analyses
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method /preparation blanks at the following maximum concentration:

Affected samples: SDG F8095

Analyte	Maximum Concentration	Action Level(aqueous)	Action Level(soil)
Arsenic	8.2 µg/L	41.0 µg/L	4.1 mg/kg

Affected samples: SDG F8104

Analyte	Maximum Concentration	Action Level(aqueous)	Action Level(soil)
Arsenic	7.0 µg/L	35.0 µg/L	3.5 mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level for arsenic were qualified, "U", as a result of blank contamination.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory method / preparation blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-010			CEF-P51-SW-011			CEF-P51-SW-012			CEF-P51-SW-013		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-15			F8095-17			F8095-13			F8095-19		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		3.2	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-014			CEF-P51-SW-015			CEF-P51-SW-016			CEF-P51-SW-017		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-2			F8095-4			F8095-6			F8095-8		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		3.2	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SW-018											
SAMPLE DATE:	11/09/00			/ /			/ /			/ /		
LABORATORY ID:	F8095-10											
QC_TYPE:	NORMAL											
% SOLIDS:	0.0 %			100.0 %			100.0 %			100.0 %		
UNITS:	UG/L											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U										

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-001			CEF-P51-SW-002			CEF-P51-SW-003			CEF-P51-SW-004		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-18			F8117-14			F8117-16			F8117-12		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		12.5		

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-005			CEF-P51-SW-006			CEF-P51-SW-007			CEF-P51-SW-008		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-10			F8117-5			F8117-3			F8117-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	16.1			3.2	U		3.2	U		3.2	U	

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SW-009			CEF-P51-SW-027			CEF-P51-SW-028			CEF-P51-SW-DUP2		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-20			F8117-24			F8117-22			F8117-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:										CEF-P51-SW-008		
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		509			3.2	U		3.2	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-010			CEF-P51-SD-011			CEF-P51-SD-012			CEF-P51-SD-013		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-14			F8095-16			F8095-12			F8095-18		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	77.6 %			76.8 %			61.5 %			67.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.37	U		0.38	U		0.47	U		1.8	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-014			CEF-P51-SD-015			CEF-P51-SD-016			CEF-P51-SD-017		
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			11/09/00		
LABORATORY ID:	F8095-1			F8095-3			F8095-5			F8095-7		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	51.2 %			77.6 %			68.4 %			67.0 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.4	U	A	0.52	U	A	3.5	U	A	0.44	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8095

SAMPLE NUMBER:	CEF-P51-SD-018			CEF-P51-SD-DUP1			CEF-P51-SD-DUP2					
SAMPLE DATE:	11/09/00			11/09/00			11/09/00			/ /		
LABORATORY ID:	F8095-9			F8095-20			F8095-11					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	67.0 %			77.4 %			66.7 %			100.0 %		
UNITS:	MG/KG			MG/KG			MG/KG					
FIELD DUPLICATE OF:				CEF-P51-SD-011			CEF-P51-SD-016					
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.40	U		3.1	U	A			

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SW-022			CEF-P51-SW-024			CEF-P51-SW-DUP1			CEF-P51-SW019		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-12			F8104-14			F8104-16			F8104-1		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:							CEF-P51-SW-022					
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		12.7	U	A

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SW020			CEF-P51-SW021			CEF-P51-SW023					
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			/ /		
LABORATORY ID:	F8104-3			F8104-7			F8104-9					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	0.0 %			0.0 %			0.0 %			100.0 %		
UNITS:	UG/L			UG/L			UG/L					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	71.5			4.6	U	A	3.2	U				

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8266

SAMPLE NUMBER:	CEF-P51-GW-02S-01			CEF-P51-GW-04S-01			CEF-P51-GW-05S-01			CEF-P51-GW-07S-02		
SAMPLE DATE:	11/28/00			11/28/00			11/28/00			11/28/00		
LABORATORY ID:	F8266-1			F8266-2			F8266-4			F8266-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		3.2	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD-022			CEF-P51-SD-DUP3			CEF-P51-SD019			CEF-P51-SD020		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-13			F8104-11			F8104-2			F8104-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	84.5 %			73.6 %			82.8 %			79.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:				CEF-P51-SD-021								
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.30	U		1.8	U	A	0.99	U	A	0.37	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD021			CEF-P51-SD023			CEF-P51-SD024			CEF-P51-SD025		
SAMPLE DATE:	11/10/00			11/10/00			11/10/00			11/10/00		
LABORATORY ID:	F8104-8			F8104-10			F8104-15			F8104-5		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	65.1 %			70.7 %			74.6 %			52.1 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	1.7	U	A	0.45	U		0.43	U		1.7	U	A

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8104

SAMPLE NUMBER:	CEF-P51-SD026											
SAMPLE DATE:	11/10/00			/ /			/ /			/ /		
LABORATORY ID:	F8104-6											
QC_TYPE:	NORMAL											
% SOLIDS:	58.0 %			100.0 %			100.0 %			100.0 %		
UNITS:	MG/KG											
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.0	U	A									

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-001			CEF-P51-SD-002			CEF-P51-SD-003			CEF-P51-SD-004		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-19			F8117-15			F8117-17			F8117-13		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	76.5 %			73.3 %			74.9 %			77.9 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.31	U		0.37	U		0.51			0.35	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-005			CEF-P51-SD-006			CEF-P51-SD-007			CEF-P51-SD-008		
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			11/13/00		
LABORATORY ID:	F8117-11			F8117-6			F8117-4			F8117-2		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	78.2 %			71.8 %			65.6 %			76.6 %		
UNITS:	MG/KG			MG/KG			MG/KG			MG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.41	U		0.44	U		0.50	U		0.42	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F8117

SAMPLE NUMBER:	CEF-P51-SD-009			CEF-P51-SD-027			CEF-P51-SD-028					
SAMPLE DATE:	11/13/00			11/13/00			11/13/00			/ /		
LABORATORY ID:	F8117-21			F8117-25			F8117-23					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	67.9 %			60.9 %			57.8 %			100.0 %		
UNITS:	MG/KG			MG/KG			MG/KG					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	0.45	U		0.47	U		0.63					

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-SW-010		
Lab Sample ID:	F8095-15	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-011		
Lab Sample ID:	F8095-17	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-012		
Lab Sample ID:	F8095-13	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-013		
Lab Sample ID:	F8095-19	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-014		
Lab Sample ID:	F8095-2	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-015		
Lab Sample ID:	F8095-4	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-016		
Lab Sample ID:	F8095-6	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-017		
Lab Sample ID:	F8095-8	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-018		
Lab Sample ID:	F8095-10	**Date Sampled:**	11/09/00
Matrix:	AQ - Surface Water	**Date Received:**	11/10/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/14/00	11/20/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-010		
Lab Sample ID:	F8095-14	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	77.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.58	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-011		
Lab Sample ID:	F8095-16	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	76.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.38 U	0.61	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-012		
Lab Sample ID:	F8095-12	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	61.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.47 U	0.75	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-013		
Lab Sample ID:	F8095-18	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	67.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.8	0.70	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-014		
Lab Sample ID:	F8095-1	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	51.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	1.4	0.94	mg/kg	1	11/14/00	11/15/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-015		
Lab Sample ID:	F8095-3	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	77.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.52 B	0.61	mg/kg	1	11/14/00	11/15/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-016		
Lab Sample ID:	F8095-5	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	68.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.5	0.72	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-017		
Lab Sample ID:	F8095-7	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	67.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.44 U	0.70	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-018		
Lab Sample ID:	F8095-9	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	74.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.41 U	0.64	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP1		
Lab Sample ID:	F8095-20	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	77.4
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.40 U	0.64	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP2		
Lab Sample ID:	F8095-11	**Date Sampled:**	11/09/00
Matrix:	SO - Soil	**Date Received:**	11/10/00
		Percent Solids:	66.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.1	0.72	mg/kg	1	11/14/00	11/15/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-001		
Lab Sample ID:	F8117-18	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-002		
Lab Sample ID:	F8117-14	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-003		
Lab Sample ID:	F8117-16	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-004		
Lab Sample ID:	F8117-12	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	12.5	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-005		
Lab Sample ID:	F8117-10	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	16.1	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-006		
Lab Sample ID:	F8117-5	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-007		
Lab Sample ID:	F8117-3	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-008		
Lab Sample ID:	F8117-1	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-009		
Lab Sample ID:	F8117-20	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-027		
Lab Sample ID:	F8117-24	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	509	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-028		
Lab Sample ID:	F8117-22	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP2		
Lab Sample ID:	F8117-7	**Date Sampled:**	11/13/00
Matrix:	AQ - Surface Water	**Date Received:**	11/14/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-001		
Lab Sample ID:	F8117-19	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	76.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.31 U	0.50	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-002		
Lab Sample ID:	F8117-15	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	73.3
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.37 U	0.59	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-003		
Lab Sample ID:	F8117-17	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	74.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.51 B	0.57	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-004		
Lab Sample ID:	F8117-13	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	77.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.35 U	0.56	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-005		
Lab Sample ID:	F8117-11	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	78.2
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.41 U	0.65	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-006		
Lab Sample ID:	F8117-6	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	71.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.44 U	0.70	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-007		
Lab Sample ID:	F8117-4	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	65.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.50 U	0.79	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-008		
Lab Sample ID:	F8117-2	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	76.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.42 U	0.67	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-009		
Lab Sample ID:	F8117-21	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	67.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.45 U	0.71	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-027		
Lab Sample ID:	F8117-25	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	60.9
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.47 U	0.75	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-028		
Lab Sample ID:	F8117-23	**Date Sampled:**	11/13/00
Matrix:	SO - Soil	**Date Received:**	11/14/00
		Percent Solids:	57.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.63 B	0.90	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-022		
Lab Sample ID:	F8104-12	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-024		
Lab Sample ID:	F8104-14	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW-DUP1		
Lab Sample ID:	F8104-16	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW019		
Lab Sample ID:	F8104-1	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	12.7	10.0	ug/l	1	11/14/00	11/20/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW020		
Lab Sample ID:	F8104-3	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	71.5	10.0	ug/l	1	11/14/00	11/20/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW021		
Lab Sample ID:	F8104-7	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	4.6 B	10.0	ug/l	1	11/14/00	11/20/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SW023		
Lab Sample ID:	F8104-9	**Date Sampled:**	11/10/00
Matrix:	AQ - Surface Water	**Date Received:**	11/11/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	11/15/00	11/28/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-022		
Lab Sample ID:	F8104-13	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	84.5
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.30 U	0.47	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD-DUP3		
Lab Sample ID:	F8104-11	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	73.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.8	0.58	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD019		
Lab Sample ID:	F8104-2	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	82.8
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	0.99	0.49	mg/kg	1	11/15/00	11/27/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD020		
Lab Sample ID:	F8104-4	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	79.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.37 U	0.58	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD021		
Lab Sample ID:	F8104-8	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	65.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.7	0.83	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD023		
Lab Sample ID:	F8104-10	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	70.7
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.45 U	0.72	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD024		
Lab Sample ID:	F8104-15	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	74.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	0.43 U	0.68	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD025		
Lab Sample ID:	F8104-5	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	52.1
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	1.7	0.98	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-SD026		
Lab Sample ID:	F8104-6	**Date Sampled:**	11/10/00
Matrix:	SO - Soil	**Date Received:**	11/11/00
		Percent Solids:	58.0
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.0	0.91	mg/kg	1	11/15/00	11/27/00	JK	SW846 6010B

RL = Reporting Limit

B.3 SPLP SAMPLES

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**NOVEMBER 7, 2000**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – SPLP PESTICIDES/PCBs**
CTO 078 - NAS CECIL FIELD
SDGs – F6918R AND F6929R

SAMPLES: 4/Leachates/

CEF-P51-SS-G12	CEF-P51-SS-G02
CEF-P51-SS-T06B	CEF-P51-SS-T06R

Overview

The sample set for CTO 078, Cecil Field, SDGs F6918R and F6929R consist of four (4) synthetic precipitation leaching procedure (SPLP) leachate samples.

The samples were extracted by SPLP and analyzed for Target Compound List (TCL) pesticides using SW 846 method 8081A. The samples were collected by Tetra Tech NUS on June 27 and 28, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria.

The data was evaluated based on the following parameters:

* • Data Completeness
• Holding Times
* • Laboratory Blank Analyses
* • Detection Limits

* - All quality control criteria were met for this parameter.

Holding Times

The samples were extracted 76 –77 days past the date of collection. The required holding time for SPLP extraction is 14 days. All nondetected results were qualified as rejected, "UR". All positive results were qualified as estimated, "J".

Notes

Positive results less than the reporting limits were qualified as estimated, "J".

Executive Summary

Laboratory Performance: The holding time from collection to extraction was grossly exceeded for all samples.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A. Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

CTO078-NAS CECIL FIELD
SPLP DATA
Accutest, NJ
SDG: F6918R

SAMPLE NUMBER:	CEF-P51-SS-G12			/ /			/ /			/ /		
SAMPLE DATE:	06/27/00											
LABORATORY ID:	F6918-10R											
QC_TYPE:	NORMAL											
% SOLIDS:	0.0 %			100.0 %			100.0 %			100.0 %		
UNITS:	UG/L											
FIELD DUPLICATE OF:												
PESTICIDES/PCBs	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
4,4'-DDD	1	UR	H									
4,4'-DDE	1	UR	H									
4,4'-DDT	1	UR	H									
ALDRIN	0.5	UR	H									
ALPHA-BHC	0.5	UR	H									
ALPHA-CHLORDANE	0.77	J	PH									
BETA-BHC	0.5	UR	H									
CHLORDANE	9.4	J	H									
DELTA-BHC	0.5	UR	H									
DIELDRIN	0.5	UR	H									
ENDOSULFAN I	0.5	UR	H									
ENDOSULFAN II	1	UR	H									
ENDOSULFAN SULFATE	1	UR	H									
ENDRIN	1	UR	H									
ENDRIN ALDEHYDE	1	UR	H									
ENDRIN KETONE	1	UR	H									
GAMMA-BHC (LINDANE)	0.5	UR	H									
GAMMA-CHLORDANE	0.69	J	PH									
HEPTACHLOR	0.5	UR	H									
HEPTACHLOR EPOXIDE	1.4	J	H									
METHOXYCHLOR	2	UR	H									
TOXAPHENE	50	UR	H									

CTO078-NAS CECIL FIELD
SPLP DATA
Accutest, NJ
SDG: F6929R

SAMPLE NUMBER:	CEF-P51-SS-G02			CEF-P51-SS-T06B			CEF-P51-SS-T06R					
SAMPLE DATE:	06/28/00			06/28/00			06/28/00			/ /		
LABORATORY ID:	F6929-1R			F6929-14R			F6929-16R					
QC_TYPE:	NORMAL			NORMAL			NORMAL					
% SOLIDS:	0.0 %			0.0 %			0.0 %			100.0 %		
UNITS:	UG/L			UG/L			UG/L					
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	1	UR	H	1	UR	H	1	UR	H			
4,4'-DDE	1	UR	H	1	UR	H	1	UR	H			
4,4'-DDT	1	UR	H	1	UR	H	1	UR	H			
ALDRIN	0.5	UR	H	0.5	UR	H	0.5	UR	H			
ALPHA-BHC	0.5	UR	H	0.5	UR	H	0.5	UR	H			
ALPHA-CHLORDANE	2	J	H	1.5	J	H	1	UR	H			
BETA-BHC	0.5	UR	H	0.5	UR	H	0.5	UR	H			
CHLORDANE	17.4	J	H	10.9	J	H	5	UR	H			
DELTA-BHC	0.5	UR	H	0.5	UR	H	0.5	UR	H			
DIELDRIN	0.39	J	PH	0.46	J	PH	12.7	J	H			
ENDOSULFAN I	0.5	UR	H	0.5	UR	H	0.5	UR	H			
ENDOSULFAN II	1	UR	H	1	UR	H	1	UR	H			
ENDOSULFAN SULFATE	1	UR	H	1	UR	H	1	UR	H			
ENDRIN	1	UR	H	1	UR	H	1	UR	H			
ENDRIN ALDEHYDE	1	UR	H	1	UR	H	1	UR	H			
ENDRIN KETONE	1	UR	H	1	UR	H	1	UR	H			
GAMMA-BHC (LINDANE)	0.5	UR	H	0.5	UR	H	0.5	UR	H			
GAMMA-CHLORDANE	1.8	J	H	1.2	J	H	1	UR	H			
HEPTACHLOR	0.5	UR	H	0.5	UR	H	0.5	UR	H			
HEPTACHLOR EPOXIDE	0.97	J	H	0.54	J	H	0.5	UR	H			
METHOXYCHLOR	2	UR	H	2	UR	H	2	UR	H			
TOXAPHENE	50	UR	H	50	UR	H	50	UR	H			

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-G12		
Lab Sample ID:	F6918-10R	**Date Sampled:**	06/27/00
Matrix:	SO - Soil	**Date Received:**	06/28/00
Method:	SW846 8081A	**Percent Solids:**	86.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST07198.D	1	09/13/00	SKW	09/12/00	OP2041	GST257
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
309-00-2	Aldrin	ND			0.00050	mg/l	
319-84-6	alpha-BHC	ND			0.00050	mg/l	
319-85-7	beta-BHC	ND			0.00050	mg/l	
319-86-8	delta-BHC	ND			0.00050	mg/l	
58-89-9	gamma-BHC (Lindane)	ND	D013		0.00050	mg/l	
12789-03-6	Chlordane	0.0094	D020		0.0050	mg/l	
5103-71-9	alpha-Chlordane	0.00077			0.0010	mg/l	J
5103-74-2	gamma-Chlordane	0.00069			0.0010	mg/l	J
60-57-1	Dieldrin	ND			0.00050	mg/l	
72-54-8	4,4'-DDD	ND			0.0010	mg/l	
72-55-9	4,4'-DDE	ND			0.0010	mg/l	
50-29-3	4,4'-DDT	ND			0.0010	mg/l	
72-20-8	Endrin	ND	D012		0.0010	mg/l	
1031-07-8	Endosulfan sulfate	ND			0.0010	mg/l	
7421-93-4	Endrin aldehyde	ND			0.0010	mg/l	
53494-70-5	Endrin ketone	ND			0.0010	mg/l	
959-98-8	Endosulfan-I	ND			0.00050	mg/l	
33213-65-9	Endosulfan-II	ND			0.0010	mg/l	
76-44-8	Heptachlor	ND	D031		0.00050	mg/l	
1024-57-3	Heptachlor epoxide	0.0014	D031		0.00050	mg/l	
72-43-5	Methoxychlor	ND	D014		0.0020	mg/l	
8001-35-2	Toxaphene	ND	D015		0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	43% [b]		50-128%
2051-24-3	Decachlorobiphenyl	101%		11-157%

(a) All hits confirmed by dual column analysis.
(b) Surrogate recovery low. Suspected DI water problem. Target analyte recoveries inside control limits.

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-G02		
Lab Sample ID:	F6929-1R	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 8081A	**Percent Solids:**	84.9
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST07199.D	1	09/13/00	SKW	09/12/00	OP2041	GST257
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
309-00-2	Aldrin	ND			0.00050	mg/l	
319-84-6	alpha-BHC	ND			0.00050	mg/l	
319-85-7	beta-BHC	ND			0.00050	mg/l	
319-86-8	delta-BHC	ND			0.00050	mg/l	
58-89-9	gamma-BHC (Lindane)	ND	D013		0.00050	mg/l	
12789-03-6	Chlordane	0.0174	D020		0.0050	mg/l	
5103-71-9	alpha-Chlordane	0.0020			0.0010	mg/l	
5103-74-2	gamma-Chlordane	0.0018			0.0010	mg/l	
60-57-1	Dieldrin	0.00039			0.00050	mg/l	J
72-54-8	4,4'-DDD	ND			0.0010	mg/l	
72-55-9	4,4'-DDE	ND			0.0010	mg/l	
50-29-3	4,4'-DDT	ND			0.0010	mg/l	
72-20-8	Endrin	ND	D012		0.0010	mg/l	
1031-07-8	Endosulfan sulfate	ND			0.0010	mg/l	
7421-93-4	Endrin aldehyde	ND			0.0010	mg/l	
53494-70-5	Endrin ketone	ND			0.0010	mg/l	
959-98-8	Endosulfan-I	ND			0.00050	mg/l	
33213-65-9	Endosulfan-II	ND			0.0010	mg/l	
76-44-8	Heptachlor	ND	D031		0.00050	mg/l	
1024-57-3	Heptachlor epoxide	0.00097	D031		0.00050	mg/l	
72-43-5	Methoxychlor	ND	D014		0.0020	mg/l	
8001-35-2	Toxaphene	ND	D015		0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49% [b]		50-128%
2051-24-3	Decachlorobiphenyl	100%		11-157%

(a) All hits confirmed by dual column analysis.
(b) Surrogate recovery low. Suspected DI water problem. Target analyte recoveries inside control limits.

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06B		
Lab Sample ID:	F6929-14R	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 8081A	**Percent Solids:**	87.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST07200.D	1	09/13/00	SKW	09/12/00	OP2041	GST257
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
309-00-2	Aldrin	ND			0.00050	mg/l	
319-84-6	alpha-BHC	ND			0.00050	mg/l	
319-85-7	beta-BHC	ND			0.00050	mg/l	
319-86-8	delta-BHC	ND			0.00050	mg/l	
58-89-9	gamma-BHC (Lindane)	ND	D013		0.00050	mg/l	
12789-03-6	Chlordane	0.0109	D020		0.0050	mg/l	
5103-71-9	alpha-Chlordane	0.0015			0.0010	mg/l	
5103-74-2	gamma-Chlordane	0.0012			0.0010	mg/l	
60-57-1	Dieldrin	0.00046			0.00050	mg/l	J
72-54-8	4,4'-DDD	ND			0.0010	mg/l	
72-55-9	4,4'-DDE	ND			0.0010	mg/l	
50-29-3	4,4'-DDT	ND			0.0010	mg/l	
72-20-8	Endrin	ND	D012		0.0010	mg/l	
1031-07-8	Endosulfan sulfate	ND			0.0010	mg/l	
7421-93-4	Endrin aldehyde	ND			0.0010	mg/l	
53494-70-5	Endrin ketone	ND			0.0010	mg/l	
959-98-8	Endosulfan-I	ND			0.00050	mg/l	
33213-65-9	Endosulfan-II	ND			0.0010	mg/l	
76-44-8	Heptachlor	ND	D031		0.00050	mg/l	
1024-57-3	Heptachlor epoxide	0.00054	D031		0.00050	mg/l	
72-43-5	Methoxychlor	ND	D014		0.0020	mg/l	
8001-35-2	Toxaphene	ND	D015		0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	42% [b]		50-128%
2051-24-3	Decachlorobiphenyl	101%		11-157%

(a) All hits confirmed by dual column analysis.
(b) Surrogate recovery low. Suspected DI water problem. Target analyte recoveries inside control limits.

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-T06R		
Lab Sample ID:	F6929-16R	**Date Sampled:**	06/28/00
Matrix:	SO - Soil	**Date Received:**	06/29/00
Method:	SW846 8081A	**Percent Solids:**	87.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	ST07201.D	1	09/13/00	SKW	09/12/00	OP2041	GST257
Run #2 [a]	ST07224.D	2	09/14/00	SKW	09/12/00	OP2041	GST258

Pesticide TCL List

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
309-00-2	Aldrin	ND			0.00050	mg/l	
319-84-6	alpha-BHC	ND			0.00050	mg/l	
319-85-7	beta-BHC	ND			0.00050	mg/l	
319-86-8	delta-BHC	ND			0.00050	mg/l	
58-89-9	gamma-BHC (Lindane)	ND	D013		0.00050	mg/l	
12789-03-6	Chlordane	ND	D020		0.0050	mg/l	
5103-71-9	alpha-Chlordane	ND			0.0010	mg/l	
5103-74-2	gamma-Chlordane	ND			0.0010	mg/l	
60-57-1	Dieldrin	0.0127 [b]			0.0010	mg/l	
72-54-8	4,4'-DDD	ND			0.0010	mg/l	
72-55-9	4,4'-DDE	ND			0.0010	mg/l	
50-29-3	4,4'-DDT	ND			0.0010	mg/l	
72-20-8	Endrin	ND	D012		0.0010	mg/l	
1031-07-8	Endosulfan sulfate	ND			0.0010	mg/l	
7421-93-4	Endrin aldehyde	ND			0.0010	mg/l	
53494-70-5	Endrin ketone	ND			0.0010	mg/l	
959-98-8	Endosulfan-I	ND			0.00050	mg/l	
33213-65-9	Endosulfan-II	ND			0.0010	mg/l	
76-44-8	Heptachlor	ND	D031		0.00050	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031		0.00050	mg/l	
72-43-5	Methoxychlor	ND	D014		0.0020	mg/l	
8001-35-2	Toxaphene	ND	D015		0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	44% [c]	44% [c]	50-128%
2051-24-3	Decachlorobiphenyl	98%	98%	11-157%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2
(c) Surrogate recovery low. Suspected DI water problem. Target analyte recoveries inside control limits.

ND = Not detected
MCL = Maximum Contamination Level (not available)
E = Indicates 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 7, 2000**
FROM:	**JENNIFER M. MALLE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION –ARSENIC AND SPLP ARSENIC**
CTO-078 NAS CECIL FIELD
SDG- F7518

SAMPLES: 1/Soil/Leachate/

CEF-P51-SS-201-01

Overview

The sample set for CTO 078, NAS Cecil Field SDG F7518 includes one (1) soil/leachate environmental sample.

Sample CEF-P51-SS-201-01 was analyzed for total arsenic and Synthetic Precipitation Leaching Procedure (SPLP) arsenic. The sample was collected by Tetra Tech NUS on September 1, 2000 and analyzed by Accutest Laboratories in accordance with Naval Facilities Engineering Service Center (NFESC) Navy Installation Restoration Chemical Data Quality Manual, (September 1999). Aluminum analyses were conducted under SW846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibration Verifications
• Laboratory Blank Analyses
* • Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method/preparation blanks at the following maximum concentration:

Affected samples : SPLP arsenic

Analyte	Maximum Concentration	Action Level (aqueous)
Arsenic	5.1 ug/L	25.5 ug/L

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot and dilution factors were taken into consideration in evaluation for blank contamination. Validation action was not required for arsenic as the result reported was greater than the action level.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM" (9/99). 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
Jennifer M. Malle
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
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
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/PCB D% 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 = % Solid content is less than 30%

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-201-01											
SAMPLE DATE:	09/01/00			/ /			/ /			/ /		
LABORATORY ID:	F7518-1											
QC_TYPE:	NORMAL											
% SOLIDS:	58.6 %			100.0 %			100.0 %			100.0 %		
UNITS:	MG/KG											
FIELD DUPLICATE OF:												
	RESULT	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**	**RESULT**	**QUAL**	**CODE**
INORGANICS												
ARSENIC	54.7											

CTO078-NAS CECIL FIELD
SPLP DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-201-01			
SAMPLE DATE:	09/01/00	/ /	/ /	/ /
LABORATORY ID:	F7518-1A			
QC_TYPE:	NORMAL			
% SOLIDS:	0.0 %	100.0 %	100.0 %	100.0 %
UNITS:	UG\L			
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	52											

APPENDIX B

Results as Reported by the Laboratory

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-201-01		
Lab Sample ID:	F7518-1	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
		Percent Solids:	58.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	54.7	0.81	mg/kg	1	09/06/00	09/07/00	JK	SW846 6010A

RL = Reporting Limit

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-201-01		
Lab Sample ID:	F7518-1A	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
		Percent Solids:	58.6
Project:	NAS Cecil Field - PSC51		

Metals Analysis, SPLP Leachate

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.052	D004		0.010	mg/l	1	09/14/00	09/15/00	EM	SW846 6010A

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**NOVEMBER 16, 2000**
FROM:	**DOUGLAS S. SCHLOER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PEST / HERB**
CTO 078, NAS CECIL FIELD
SDG F7518

SAMPLES: 8 / Soil / PEST

CEF-P51-SS-201-01 R
CEF-P51-SS-202-01 R
CEF-P51-SS-203-01 R
CEF-P51-SS-204-01 R
CEF-P51-SS-205-01 R
CEF-P51-SS-206-01 R
CEF-P51-SS-207-01 R
CEF-P51-SS-208-01 R

2 / Leachate / PEST

CEF-P51-SS-204-01 R
CEF-P51-SS-208-01 R

1 / Solid / HERB

CEF-P51-SS-209-01 R

OVERVIEW

The sample set for CTO 078, NAS Cecil Field; SDG F7518 consists of nine (9) soil environmental samples and two (2) leachate samples. The samples were analyzed for organochlorine pesticides and herbicides. No field duplicate pairs were included in this SDG.

The samples were collected by TetraTech NUS on September 1st, 2000 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 8081A and 8151A analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial/continuing calibrations
* • Laboratory method and field quality control blank results
• Surrogate spike recoveries
* • 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.

Pesticide

Due to the presence of target analytes, the following samples were analyzed and reported at dilutions:

CEF-P51-SS-201-01 R	50X	CEF-P51-SS-202-01 R	100X
CEF-P51-SS-203-01 R	200X	CEF-P51-SS-204-01 R	200X
CEF-P51-SS-205-01 R	100X	CEF-P51-SS-206-01 R	200X
CEF-P51-SS-207-01 R	25X	CEF-P51-SS-208-01 R	100X

This accounts for the elevated reporting limits for these samples.

Continuing calibration verification % Drifts (%Ds) exceeded the 15% quality control limit on both analytical columns for Endrin and Methoxychlor on 9/7/00, 10:03, on instrument ECD4. Only nondetected results were reported for Endrin and Methoxychlor and these were qualified as estimated (UJ) in the affected samples.

Continuing calibration verification %Ds exceeded the 15% quality control limit on one analytical column for 4,4'-DDT, Endosulfan II and Endosulfan Sulfate on 9/7/00, 10:03, on instrument ECD4. Only nondetected results were reported for the aforementioned compounds, which do not require qualification based on this calibration noncompliance.

Continuing calibration verification %Ds exceeded the 15% quality control limit on one analytical column for Endrin, 4,4'-DDT and Methoxychlor on 9/7/00, 13:08, on instrument ECD4. Only nondetected results were reported for 4,4'-DDT and Methoxychlor, which do not require qualification, based on this calibration noncompliance.

Continuing calibration verification %Ds exceeded the 15% quality control limit on both analytical columns for Endrin, 4,4'-DDT and Methoxychlor on 9/7/00, 17:29, on instrument ECD4. This calibration noncompliance did not warrant qualification of sample data.

Continuing calibration verification %Ds exceeded the 15% quality control limit on one analytical column for Endosulfan II on 9/7/00, 17:29, on instrument ECD4. Only nondetected results were reported for Endosulfan II, and these were not qualified based on this calibration noncompliance.

Continuing calibration verification %Ds exceeded the 15% quality control limit on analytical column for Methoxychlor and 4,4'DDT on 9/13/00, 20:14, on instrument ECD 3. Only nondetected results were reported for Methoxychlor and 4,4'DDT, therefore, no qualifiers were required on this basis.

Continuing calibration verification %Ds exceeded the 15% quality control limit on one analytical column for Delta-BHC and Endrin Aldehyde on 9/14/00, 00:56, on instrument ECD 3. Only nondetected results were reported for the aforementioned compounds, therefore, no qualifiers were assigned on this basis.

Due to interference of coeluting compounds, the positive result for Chlordane in sample CEF-P51-SS-207-01 was qualified as estimated (J) by the laboratory. Additionally, due to the % Difference between analytical columns exceeding the 25% quality control limit, the positive result for chlordane in the aforementioned sample was qualified as estimated (J).

For samples CEF-P51-SS-203-01, CEF-P51-SS-204-01 and CEF-P51-SS-206-01 surrogate spike recoveries could not be determined due to the dilutions required for analysis.

The laboratory did not evaluate the relative percent difference between positive results for analytical fractions requiring dual column analysis.

Surrogate recovery of tetrachloro-m-xylene fell below quality control limits in the pesticide leachate method blanks on 9/13/00 and 9/14/00. No qualifiers were required on this basis

Herbicide

All data quality parameters were met for this fraction.

Additional Comments

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

EXECUTIVE SUMMARY

Laboratory Performance Issues: Continuing calibration of several pesticide compounds did not meet acceptance criteria.

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 "Navy 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

Douglas S Schloer
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
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

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-201-01 R			CEF-P51-SS-202-01 R			CEF-P51-SS-203-01 R			CEF-P51-SS-204-01 R		
SAMPLE DATE:	09/01/00			09/01/00			09/01/00			09/01/00		
LABORATORY ID:	F7518-1			F7518-2			F7518-3			F7518-4		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	58.6 %			71.7 %			82.8 %			86.5 %		
UNITS:	UG/KG			UG/KG			UG/KG			UG/KG		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	280	U		460	U		800	U		770	U	
4,4'-DDE	280	U		460	U		800	U		770	U	
4,4'-DDT	280	U		460	U		800	U		770	UJ	C
ALDRIN	140	U		230	U		400	U		380	U	
ALPHA-BHC	140	U		230	U		400	U		380	U	
ALPHA-CHLORDANE	993			2640	U		4850			5750		
BETA-BHC	140	U		230	U		400	U		380	U	
CHLORDANE	5890			15200	U		27900			33500		
DELTA-BHC	140	U		230	U		400	U		380	U	
DIELDRIN	971			230	U		400	U		380	U	
ENDOSULFAN I	140	U		230	U		400	U		380	U	
ENDOSULFAN II	280	U		460	U		800	U		770	U	
ENDOSULFAN SULFATE	280	U		460	U		800	U		770	U	
ENDRIN	280	UJ	C	460	UJ	C	800	UJ	C	770	UJ	C
ENDRIN ALDEHYDE	280	U		460	U		800	U		770	U	
ENDRIN KETONE	280	U		460	U		800	U		770	U	
GAMMA-BHC (LINDANE)	140	U		230	U		400	U		380	U	
GAMMA-CHLORDANE	776			2640	U		4850			5700		
HEPTACHLOR	140	U		230	U		400	U		380	U	
HEPTACHLOR EPOXIDE	110	J	P	230	U		400	U		328	J	P
METHOXYCHLOR	570	UJ	C	930	UJ	C	1600	UJ	C	1500	UJ	C
TOXAPHENE	14000	U		23000	U		40000	U		38000	U	

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-205-01 R	CEF-P51-SS-206-01 R	CEF-P51-SS-207-01 R	CEF-P51-SS-208-01 R
SAMPLE DATE:	09/01/00	09/01/00	09/01/00	09/01/00
LABORATORY ID:	F7518-5	F7518-6	F7518-7	F7518-8
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	73.1 %	68.0 %	72.0 %	76.4 %
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	460	U		980	U		120	U		430	U	
4,4'-DDE	460	U		980	U		120	U		430	U	
4,4'-DDT	460	UJ	C	980	UJ	C	279	UJ	C	430	UJ	C
ALDRIN	230	U		490	U		58	U		220	U	
ALPHA-BHC	230	U		490	U		58	U		220	U	
ALPHA-CHLORDANE	2400			3760			94.4	J	P	176	J	P
BETA-BHC	230	U		490	U		58	U		220	U	
CHLORDANE	13600			21400			856	J	UQ	2200	U	
DELTA-BHC	230	U		490	U		58	U		220	U	
DIELDRIN	230	U		182	J	P	125			1890		
ENDOSULFAN I	230	U		490	U		58	U		220	U	
ENDOSULFAN II	460	U		980	U		120	U		430	U	
ENDOSULFAN SULFATE	460	U		980	U		120	U		430	U	
ENDRIN	460	UJ	C	980	UJ	C	120	UJ	C	430	UJ	C
ENDRIN ALDEHYDE	460	U		980	U		120	U		430	U	
ENDRIN KETONE	460	U		980	U		120	U		430	U	
GAMMA-BHC (LINDANE)	230	U		490	U		58	U		220	U	
GAMMA-CHLORDANE	2430			3730			114	J	P	116	J	P
HEPTACHLOR	230	U		490	U		58	U		220	U	
HEPTACHLOR EPOXIDE	230	U		248	J	P	58	U		220	U	
METHOXYCHLOR	910	UJ	C	2000	UJ	C	230	UJ	C	870	UJ	C
TOXAPHENE	23000	U		49000	U		5800	U		22000	U	

CTO078-NAS CECIL FIELD
SPLP DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-204-01 R	CEF-P51-SS-208-01 R		
SAMPLE DATE:	09/01/00	09/01/00	/ /	/ /
LABORATORY ID:	F7518-4A	F7518-8A		
QC_TYPE:	NORMAL	NORMAL		
% SOLIDS:	0.0 %	0.0 %	100.0 %	100.0 %
UNITS:	UG/L	UG/L		
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	1	U		1	U							
4,4'-DDE	1	U		1	U							
4,4'-DDT	1	U		1	U							
ALDRIN	0.5	U		0.5	U							
ALPHA-BHC	0.5	U		0.5	U							
ALPHA-CHLORDANE	1.7			1	U							
BETA-BHC	0.5	U		0.5	U							
CHLORDANE	13.8			5	U							
DELTA-BHC	0.5	U		0.5	U							
DIELDRIN	0.26	J	P	2.5								
ENDOSULFAN I	0.5	U		0.5	U							
ENDOSULFAN II	1	U		1	U							
ENDOSULFAN SULFATE	1	U		1	U							
ENDRIN	1	U		1	U							
ENDRIN ALDEHYDE	1	U		1	U							
ENDRIN KETONE	1	U		1	U							
GAMMA-BHC (LINDANE)	0.5	U		0.5	U							
GAMMA-CHLORDANE	1.5			1	U							
HEPTACHLOR	0.5	U		0.5	U							
HEPTACHLOR EPOXIDE	0.85			0.5	U							
METHOXYCHLOR	2	U		2	U							
TOXAPHENE	50	U		50	U							

CTO078-NAS CECIL FIELD
SOIL DATA
Accutest, NJ
SDG: F7518

SAMPLE NUMBER:	CEF-P51-SS-209-01 R			
SAMPLE DATE:	09/01/00	/ /	/ /	/ /
LABORATORY ID:	F7518-9			
QC_TYPE:	NORMAL			
% SOLIDS:	74.9 %	100.0 %	100.0 %	100.0 %
UNITS:	UG/KG			
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
HERBICIDES												
2,4,5-T	4.7	U										
2,4,5-TP (SILVEX)	4.7	U										
2,4-D	24	U										
2,4-DB	24	U										
DALAPON	4.7	U										
DICAMBA	24	U										
DICHLOROPROP	24	U										
DINOSEB	24	U										
MCPA	2400	U										
MCPP	2400	U										
PENTACHLOROPHENOL	2.4	U										

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-201-01 R		
Lab Sample ID:	F7518-1	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	58.6
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00278.D	50	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	140	ug/kg	
319-84-6	alpha-BHC	ND	140	ug/kg	
319-85-7	beta-BHC	ND	140	ug/kg	
319-86-8	delta-BHC	ND	140	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	140	ug/kg	
12789-03-6	Chlordane	5890	1400	ug/kg	
5103-71-9	alpha-Chlordane	993	280	ug/kg	
5103-74-2	gamma-Chlordane	776	280	ug/kg	
60-57-1	Dieldrin	971	140	ug/kg	
72-54-8	4,4'-DDD	ND	280	ug/kg	
72-55-9	4,4'-DDE	ND	280	ug/kg	
50-29-3	4,4'-DDT	ND	280	ug/kg	
72-20-8	Endrin	ND	280	ug/kg	
1031-07-8	Endosulfan sulfate	ND	280	ug/kg	
7421-93-4	Endrin aldehyde	ND	280	ug/kg	
53494-70-5	Endrin ketone	ND	280	ug/kg	
959-98-8	Endosulfan-I	ND	140	ug/kg	
33213-65-9	Endosulfan-II	ND	280	ug/kg	
76-44-8	Heptachlor	ND	140	ug/kg	
1024-57-3	Heptachlor epoxide	110	140	ug/kg	J
72-43-5	Methoxychlor	ND	570	ug/kg	
8001-35-2	Toxaphene	ND	14000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		50-144%
2051-24-3	Decachlorobiphenyl	119%		10-180%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-202-01 R		
Lab Sample ID:	F7518-2	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	71.7
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00279.D	100	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	230	ug/kg	
319-84-6	alpha-BHC	ND	230	ug/kg	
319-85-7	beta-BHC	ND	230	ug/kg	
319-86-8	delta-BHC	ND	230	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	230	ug/kg	
12789-03-6	Chlordane	15200	2300	ug/kg	
5103-71-9	alpha-Chlordane	2640	460	ug/kg	
5103-74-2	gamma-Chlordane	2640	460	ug/kg	
60-57-1	Dieldrin	ND	230	ug/kg	
72-54-8	4,4'-DDD	ND	460	ug/kg	
72-55-9	4,4'-DDE	ND	460	ug/kg	
50-29-3	4,4'-DDT	ND	460	ug/kg	
72-20-8	Endrin	ND	460	ug/kg	
1031-07-8	Endosulfan sulfate	ND	460	ug/kg	
7421-93-4	Endrin aldehyde	ND	460	ug/kg	
53494-70-5	Endrin ketone	ND	460	ug/kg	
959-98-8	Endosulfan-I	ND	230	ug/kg	
33213-65-9	Endosulfan-II	ND	460	ug/kg	
76-44-8	Heptachlor	ND	230	ug/kg	
1024-57-3	Heptachlor epoxide	ND	230	ug/kg	
72-43-5	Methoxychlor	ND	930	ug/kg	
8001-35-2	Toxaphene	ND	23000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		50-144%
2051-24-3	Decachlorobiphenyl	108%		10-180%

(a) All hits confirmed by dual column analysis.

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

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ACCUTEST

Report of Analysis

Client Sample ID:	CEF-P51-SS-203-01 R		
Lab Sample ID:	F7518-3	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	82.8
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00280.D	200	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	400	ug/kg	
319-84-6	alpha-BHC	ND	400	ug/kg	
319-85-7	beta-BHC	ND	400	ug/kg	
319-86-8	delta-BHC	ND	400	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	400	ug/kg	
12789-03-6	Chlordane	27900	4000	ug/kg	
5103-71-9	alpha-Chlordane	4850	800	ug/kg	
5103-74-2	gamma-Chlordane	4850	800	ug/kg	
60-57-1	Dieldrin	ND	400	ug/kg	
72-54-8	4,4'-DDD	ND	800	ug/kg	
72-55-9	4,4'-DDE	ND	800	ug/kg	
50-29-3	4,4'-DDT	ND	800	ug/kg	
72-20-8	Endrin	ND	800	ug/kg	
1031-07-8	Endosulfan sulfate	ND	800	ug/kg	
7421-93-4	Endrin aldehyde	ND	800	ug/kg	
53494-70-5	Endrin ketone	ND	800	ug/kg	
959-98-8	Endosulfan-I	ND	400	ug/kg	
33213-65-9	Endosulfan-II	ND	800	ug/kg	
76-44-8	Heptachlor	ND	400	ug/kg	
1024-57-3	Heptachlor epoxide	ND	400	ug/kg	
72-43-5	Methoxychlor	ND	1600	ug/kg	
8001-35-2	Toxaphene	ND	40000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-204-01 R		
Lab Sample ID:	F7518-4	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	86.5
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00282.D	200	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	380	ug/kg	
319-84-6	alpha-BHC	ND	380	ug/kg	
319-85-7	beta-BHC	ND	380	ug/kg	
319-86-8	delta-BHC	ND	380	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	380	ug/kg	
12789-03-6	Chlordane [b]	33500	3800	ug/kg	
5103-71-9	alpha-Chlordane [b]	5750	770	ug/kg	
5103-74-2	gamma-Chlordane [b]	5700	770	ug/kg	
60-57-1	Dieldrin	ND	380	ug/kg	
72-54-8	4,4'-DDD	ND	770	ug/kg	
72-55-9	4,4'-DDE	ND	770	ug/kg	
50-29-3	4,4'-DDT	ND	770	ug/kg	
72-20-8	Endrin	ND	770	ug/kg	
1031-07-8	Endosulfan sulfate	ND	770	ug/kg	
7421-93-4	Endrin aldehyde	ND	770	ug/kg	
53494-70-5	Endrin ketone	ND	770	ug/kg	
959-98-8	Endosulfan-I	ND	380	ug/kg	
33213-65-9	Endosulfan-II	ND	770	ug/kg	
76-44-8	Heptachlor	ND	380	ug/kg	
1024-57-3	Heptachlor epoxide [b]	328	380	ug/kg	J
72-43-5	Methoxychlor	ND	1500	ug/kg	
8001-35-2	Toxaphene	ND	38000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [c]		50-144%
2051-24-3	Decachlorobiphenyl	0% [c]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Spike recovery indicates possible sample nonhomogeneity. see MS/MSD - no quals
(c) Outside control limits due to dilution.

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

Report of Analysis

Client Sample ID:	CEF-P51-SS-205-01 R		
Lab Sample ID:	F7518-5	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	73.1
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00285.D	100	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	230	ug/kg	
319-84-6	alpha-BHC	ND	230	ug/kg	
319-85-7	beta-BHC	ND	230	ug/kg	
319-86-8	delta-BHC	ND	230	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	230	ug/kg	
12789-03-6	Chlordane	13600	2300	ug/kg	
5103-71-9	alpha-Chlordane	2400	460	ug/kg	
5103-74-2	gamma-Chlordane	2430	460	ug/kg	
60-57-1	Dieldrin	ND	230	ug/kg	
72-54-8	4,4'-DDD	ND	460	ug/kg	
72-55-9	4,4'-DDE	ND	460	ug/kg	
50-29-3	4,4'-DDT	ND	460	ug/kg	
72-20-8	Endrin	ND	460	ug/kg	
1031-07-8	Endosulfan sulfate	ND	460	ug/kg	
7421-93-4	Endrin aldehyde	ND	460	ug/kg	
53494-70-5	Endrin ketone	ND	460	ug/kg	
959-98-8	Endosulfan-I	ND	230	ug/kg	
33213-65-9	Endosulfan-II	ND	460	ug/kg	
76-44-8	Heptachlor	ND	230	ug/kg	
1024-57-3	Heptachlor epoxide	ND	230	ug/kg	
72-43-5	Methoxychlor	ND	910	ug/kg	
8001-35-2	Toxaphene	ND	23000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-144%
2051-24-3	Decachlorobiphenyl	141%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-206-01 R		
Lab Sample ID:	F7518-6	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	68.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00289.D	200	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	490	ug/kg	
319-84-6	alpha-BHC	ND	490	ug/kg	
319-85-7	beta-BHC	ND	490	ug/kg	
319-86-8	delta-BHC	ND	490	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	490	ug/kg	
12789-03-6	Chlordane	21400	4900	ug/kg	
5103-71-9	alpha-Chlordane	3760	980	ug/kg	
5103-74-2	gamma-Chlordane	3730	980	ug/kg	
60-57-1	Dieldrin	182	490	ug/kg	J
72-54-8	4,4'-DDD	ND	980	ug/kg	
72-55-9	4,4'-DDE	ND	980	ug/kg	
50-29-3	4,4'-DDT	ND	980	ug/kg	
72-20-8	Endrin	ND	980	ug/kg	
1031-07-8	Endosulfan sulfate	ND	980	ug/kg	
7421-93-4	Endrin aldehyde	ND	980	ug/kg	
53494-70-5	Endrin ketone	ND	980	ug/kg	
959-98-8	Endosulfan-I	ND	490	ug/kg	
33213-65-9	Endosulfan-II	ND	980	ug/kg	
76-44-8	Heptachlor	ND	490	ug/kg	
1024-57-3	Heptachlor epoxide	248	490	ug/kg	J
72-43-5	Methoxychlor	ND	2000	ug/kg	
8001-35-2	Toxaphene	ND	49000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	0% [b]		50-144%
2051-24-3	Decachlorobiphenyl	0% [b]		10-180%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-207-01 R		
Lab Sample ID:	F7518-7	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	72.0
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00287.D	25	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	58	ug/kg	
319-84-6	alpha-BHC	ND	58	ug/kg	
319-85-7	beta-BHC	ND	58	ug/kg	
319-86-8	delta-BHC	ND	58	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	58	ug/kg	
12789-03-6	Chlordane (b)	856	580	ug/kg	J Q
5103-71-9	alpha-Chlordane	94.4	120	ug/kg	J
5103-74-2	gamma-Chlordane	114	120	ug/kg	J
60-57-1	Dieldrin	125	58	ug/kg	
72-54-8	4,4'-DDD	ND	120	ug/kg	
72-55-9	4,4'-DDE	ND	120	ug/kg	
50-29-3	4,4'-DDT	279	120	ug/kg	
72-20-8	Endrin	ND	120	ug/kg	
1031-07-8	Endosulfan sulfate	ND	120	ug/kg	
7421-93-4	Endrin aldehyde	ND	120	ug/kg	
53494-70-5	Endrin ketone	ND	120	ug/kg	
959-98-8	Endosulfan-I	ND	58	ug/kg	
33213-65-9	Endosulfan-II	ND	120	ug/kg	
76-44-8	Heptachlor	ND	58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	58	ug/kg	
72-43-5	Methoxychlor	ND	230	ug/kg	
8001-35-2	Toxaphene	ND	5800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		50-144%
2051-24-3	Decachlorobiphenyl	123%		10-180%

(a) Dilution required due to interference from PCBs. All hits confirmed by dual column analysis.
(b) Estimated value due to the presence of multiple interfering peaks.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-208-01 R		
Lab Sample ID:	F7518-8	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 3550B/8081A	**Percent Solids:**	76.4
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00288.D	100	09/07/00	SKW	09/05/00	OP2019	GDD10
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	220	ug/kg	
319-84-6	alpha-BHC	ND	220	ug/kg	
319-85-7	beta-BHC	ND	220	ug/kg	
319-86-8	delta-BHC	ND	220	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	220	ug/kg	
12789-03-6	Chlordane	ND	2200	ug/kg	
5103-71-9	alpha-Chlordane	176	430	ug/kg	J
5103-74-2	gamma-Chlordane	116	430	ug/kg	J
60-57-1	Dieldrin	1890	220	ug/kg	
72-54-8	4,4'-DDD	ND	430	ug/kg	
72-55-9	4,4'-DDE	ND	430	ug/kg	
50-29-3	4,4'-DDT	ND	430	ug/kg	
72-20-8	Endrin	ND	430	ug/kg	
1031-07-8	Endosulfan sulfate	ND	430	ug/kg	
7421-93-4	Endrin aldehyde	ND	430	ug/kg	
53494-70-5	Endrin ketone	ND	430	ug/kg	
959-98-8	Endosulfan-I	ND	220	ug/kg	
33213-65-9	Endosulfan-II	ND	430	ug/kg	
76-44-8	Heptachlor	ND	220	ug/kg	
1024-57-3	Heptachlor epoxide	ND	220	ug/kg	
72-43-5	Methoxychlor	ND	870	ug/kg	
8001-35-2	Toxaphene	ND	22000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		50-144%
2051-24-3	Decachlorobiphenyl	127%		10-180%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	CEF-P51-SS-209-01 R		
Lab Sample ID:	F7518-9	**Date Sampled:**	09/01/00
Matrix:	SO - Soil	**Date Received:**	09/02/00
Method:	SW846 8151 SW846 3550B	**Percent Solids:**	74.9
Project:	TETRPAPT: NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF30170.D	1	09/07/00	LAG	09/06/00	OP8136	GEF1742
Run #2							

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	24	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	4.7	ug/kg	
93-76-5	2,4,5-T	ND	4.7	ug/kg	
75-99-0	Dalapon	ND	4.7	ug/kg	
1918-00-9	Dicamba	ND	24	ug/kg	
120-36-5	Dichloroprop	ND	24	ug/kg	
88-85-7	Dinoseb	ND	24	ug/kg	
94-74-6	MCPA	ND	2400	ug/kg	
93-65-2	MCPP	ND	2400	ug/kg	
87-86-5	Pentachlorophenol	ND	2.4	ug/kg	
94-82-6	2,4-DB	ND	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	103%		40-150%
19719-28-9	2,4-DCAA	108%		40-150%

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

B.4 GROUNDWATER SAMPLES

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JANUARY 25, 2001**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PESTICIDES**
CTO 078 - NAS CECIL FIELD
SDG – F8304

SAMPLES: 4/Aqueous/

CEF-P51-GW-01S-01 CEF-P51-GW-03S-01
CEF-P51-GW-DUP1

Overview

The sample set for CTO 078, Cecil Field, SDG F8304 consists of three (3) aqueous environmental samples. One (1) field duplicate pair (CEF-P51-GW-03S-01 / CEF-P51-GW-DUP1) was included within this SDG.

The samples were analyzed for Target Compound List (TCL) pesticides including low level Dieldrin using SW 846 method 8081A. The samples were collected by Tetra Tech NUS on December 5 and 11, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
• Initial and Continuing Calibration Verifications
* • Laboratory Blank Analyses
* • Detection Limits

* - All quality control criteria were met for this parameter.

Initial and Continuing Calibration Verifications

The continuing calibration Percent Differences (%Ds) for Endrin were greater than 15% quality control limit on column 1 on instrument ECD3 analyzed on 12-11 at 10:02 am and 1:58 pm affecting all samples. The continuing calibration %Ds for Endrin were acceptable on column 2 for both calibrations. No validation action was taken on this basis.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the NFESC document entitled "Navy Installation Restoration Chemical Data Quality Manual." (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)."

Gretchen A Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
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
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

NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8304

SAMPLE NUMBER:	CEF-P51-GW-01S-01	CEF-P51-GW-03S-01	CEF-P51-GW-DUP1	
SAMPLE DATE:	12/05/00	12/05/00	12/05/00	/ /
LABORATORY ID:	F8304-2	F8304-1	F8304-3	
QC_TYPE:	NORMAL	NORMAL	NORMAL	
% SOLIDS:	0.0 %	0.0 %	0.0 %	100.0 %
UNITS:	UG/L	UG/L	UG/L	
FIELD DUPLICATE OF:			CEF-P51-035-1	

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.12	U		0.11	U		0.12	U				
4,4'-DDE	0.12	U		0.11	U		0.12	U				
4,4'-DDT	0.12	U		0.11	U		0.12	U				
ALDRIN	0.060	U		0.055	U		0.060	U				
ALPHA-BHC	0.060	U		0.055	U		0.060	U				
ALPHA-CHLORDANE	0.12	U		0.11	U		0.12	U				
BETA-BHC	0.060	U		0.055	U		0.060	U				
CHLORDANE	0.60	U		0.55	U		0.60	U				
DELTA-BHC	0.060	U		0.055	U		0.060	U				
DIELDRIN	0.0012			0.0027			0.0023					
ENDOSULFAN I	0.060	U		0.055	U		0.060	U				
ENDOSULFAN II	0.12	U		0.11	U		0.12	U				
ENDOSULFAN SULFATE	0.12	U		0.11	U		0.12	U				
ENDRIN	0.12	U		0.11	U		0.12	U				
ENDRIN ALDEHYDE	0.12	U		0.11	U		0.12	U				
ENDRIN KETONE	0.12	U		0.11	U		0.12	U				
GAMMA-BHC (LINDANE)	0.060	U		0.055	U		0.060	U				
GAMMA-CHLORDANE	0.12	U		0.11	U		0.12	U				
HEPTACHLOR	0.060	U		0.055	U		0.060	U				
HEPTACHLOR EPOXIDE	0.060	U		0.055	U		0.060	U				
METHOXYCHLOR	0.24	U		0.22	U		0.24	U				
TOXAPHENE	3.0	U		2.8	U		3.0	U				

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-GW-01S-01		
Lab Sample ID:	F8304-2	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08294.D	1	12/11/00	SKW	12/08/00	OP2410	GST296
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.060	ug/l	
319-84-6	alpha-BHC	ND	0.060	ug/l	
319-85-7	beta-BHC	ND	0.060	ug/l	
319-86-8	delta-BHC	ND	0.060	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.060	ug/l	
12789-03-6	Chlordane	ND	0.60	ug/l	
5103-71-9	alpha-Chlordane	ND	0.12	ug/l	
5103-74-2	gamma-Chlordane	ND	0.12	ug/l	
72-54-8	4,4'-DDD	ND	0.12	ug/l	
72-55-9	4,4'-DDE	ND	0.12	ug/l	
50-29-3	4,4'-DDT	ND	0.12	ug/l	
72-20-8	Endrin	ND	0.12	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.12	ug/l	
7421-93-4	Endrin aldehyde	ND	0.12	ug/l	
53494-70-5	Endrin ketone	ND	0.12	ug/l	
959-98-8	Endosulfan-I	ND	0.060	ug/l	
33213-65-9	Endosulfan-II	ND	0.12	ug/l	
76-44-8	Heptachlor	ND	0.060	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.060	ug/l	
72-43-5	Methoxychlor	ND	0.24	ug/l	
8001-35-2	Toxaphene	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		50-128%
2051-24-3	Decachlorobiphenyl	104%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-03S-01		
Lab Sample ID:	F8304-1	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08293.D	1	12/11/00	SKW	12/08/00	OP2410	GST296
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		50-128%
2051-24-3	Decachlorobiphenyl	104%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-DUP1		
Lab Sample ID:	F8304-3	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08297.D	1	12/11/00	SKW	12/08/00	OP2410	GST296
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.060	ug/l	
319-84-6	alpha-BHC	ND	0.060	ug/l	
319-85-7	beta-BHC	ND	0.060	ug/l	
319-86-8	delta-BHC	ND	0.060	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.060	ug/l	
12789-03-6	Chlordane	ND	0.60	ug/l	
5103-71-9	alpha-Chlordane	ND	0.12	ug/l	
5103-74-2	gamma-Chlordane	ND	0.12	ug/l	
72-54-8	4,4'-DDD	ND	0.12	ug/l	
72-55-9	4,4'-DDE	ND	0.12	ug/l	
50-29-3	4,4'-DDT	ND	0.12	ug/l	
72-20-8	Endrin	ND	0.12	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.12	ug/l	
7421-93-4	Endrin aldehyde	ND	0.12	ug/l	
53494-70-5	Endrin ketone	ND	0.12	ug/l	
959-98-8	Endosulfan-I	ND	0.060	ug/l	
33213-65-9	Endosulfan-II	ND	0.12	ug/l	
76-44-8	Heptachlor	ND	0.060	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.060	ug/l	
72-43-5	Methoxychlor	ND	0.24	ug/l	
8001-35-2	Toxaphene	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-128%
2051-24-3	Decachlorobiphenyl	91%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-01S-01		
Lab Sample ID:	F8304-2A	**Date Sampled:**	12/11/00
Matrix:	AQ - Ground Water	**Date Received:**	12/12/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00905.D	1	12/20/00	SKW	12/18/00	OP2450	GDD30
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	0.0012	0.0011	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		50-128%
2051-24-3	Decachlorobiphenyl	94%		11-157%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-03S-01		
Lab Sample ID:	F8304-1A	**Date Sampled:**	12/11/00
Matrix:	AQ - Ground Water	**Date Received:**	12/12/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00900.D	1	12/20/00	SKW	12/18/00	OP2450	GDD30
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	0.0027	0.0011	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		50-128%
2051-24-3	Decachlorobiphenyl	103%		11-157%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-DUP1		
Lab Sample ID:	F8304-3A	**Date Sampled:**	12/11/00
Matrix:	AQ - Ground Water	**Date Received:**	12/12/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00901.D	1	12/20/00	SKW	12/18/00	OP2450	GDD30
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	0.0023	0.0010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		50-128%
2051-24-3	Decachlorobiphenyl	93%		11-157%

(a) All hits confirmed by dual column analysis.

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-06-0-024

TO: **MARK SPERANZA** **DATE: DECEMBER 29, 2000**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PESTICIDE**
CTO 078 – NAS CECIL FIELD
SDG F8266

SAMPLES: 4/Groundwater

CEF-P51-GW-02S-01 CEF-P51-GW-04S-01
CEF-P51-GW-05S-01 CEF-P51-GW-07S-02

OVERVIEW

The sample set for CTO 078, SDG F8266 Naval Air Station (NAS) Cecil Field; Florida consists of four (4) groundwater environmental samples. The samples were analyzed for Target Compound List (TCL) pesticide organic compounds. No field duplicate pairs were included within this SDG.

The samples were collected by Tetra Tech, NUS on November 28th, 2000 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 8081A 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.

PESTICIDE FRACTION

It should be noted that aqueous Dieldrin results were supposed to have undergone a special preparation to achieve a lower detection limit. However, the laboratory did not perform this preparation for the samples in this SDG. Hence, Dieldrin detection limits for are elevated.

MEMO TO: MARK SPERANZA
DATE: DECEMBER 29, 2000 – PAGE 2

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)."

Justin Orbich

Chemist/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

DATA QUALIFIER DEFINITIONS:

U - Value is a nondetected result as reported by the laboratory and should not be considered present.

J - Positive result is estimated as a result of a value below the CRQL or a technical noncompliance.

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
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/PCB D% 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 = % Solid content is less than 30%

APPENDIX A

Qualified Analytical Results

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8266

SAMPLE NUMBER:	CEF-P51-GW-02S-01			CEF-P51-GW-04S-01			CEF-P51-GW-05S-01			CEF-P51-GW-07S-02		
SAMPLE DATE:	11/28/00			11/28/00			11/28/00			11/28/00		
LABORATORY ID:	F8266-1			F8266-2			F8266-4			F8266-3		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
4,4'-DDD	0.11	U		0.10	U		0.10	U		0.10	U	
4,4'-DDE	0.11	U		0.10	U		0.10	U		0.10	U	
4,4'-DDT	0.11	U		0.10	U		0.10	U		0.10	U	
ALDRIN	0.055	U		0.050	U		0.050	U		0.050	U	
ALPHA-BHC	0.055	U		0.050	U		0.050	U		0.050	U	
ALPHA-CHLORDANE	0.11	U		0.10	U		0.10	U		0.10	U	
BETA-BHC	0.055	U		0.050	U		0.050	U		0.050	U	
CHLORDANE	0.55	U		0.50	U		0.50	U		0.50	U	
DELTA-BHC	0.055	U		0.050	U		0.050	U		0.050	U	
DIELDRIN	0.055	U		0.050	U		0.050	U		0.050	U	
ENDOSULFAN I	0.055	U		0.050	U		0.050	U		0.050	U	
ENDOSULFAN II	0.11	U		0.10	U		0.10	U		0.10	U	
ENDOSULFAN SULFATE	0.11	U		0.10	U		0.10	U		0.10	U	
ENDRIN	0.11	U		0.10	U		0.10	U		0.10	U	
ENDRIN ALDEHYDE	0.11	U		0.10	U		0.10	U		0.10	U	
ENDRIN KETONE	0.11	U		0.10	U		0.10	U		0.10	U	
GAMMA-BHC (LINDANE)	0.055	U		0.050	U		0.050	U		0.050	U	
GAMMA-CHLORDANE	0.11	U		0.10	U		0.10	U		0.10	U	
HEPTACHLOR	0.055	U		0.050	U		0.050	U		0.050	U	
HEPTACHLOR EPOXIDE	0.055	U		0.050	U		0.050	U		0.050	U	
METHOXYCHLOR	0.22	U		0.20	U		0.20	U		0.20	U	
TOXAPHENE	2.8	U		2.5	U		2.5	U		2.5	U	

APPENDIX B

Results as Reported by the Laboratory

Report of Analysis

Client Sample ID:	CEF-P51-GW-02S-01		
Lab Sample ID:	F8266-1	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08254.D	1	12/06/00	SKW	12/05/00	OP2389	GST294
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.055	ug/l	
319-84-6	alpha-BHC	ND	0.055	ug/l	
319-85-7	beta-BHC	ND	0.055	ug/l	
319-86-8	delta-BHC	ND	0.055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.055	ug/l	
12789-03-6	Chlordane	ND	0.55	ug/l	
5103-71-9	alpha-Chlordane	ND	0.11	ug/l	
5103-74-2	gamma-Chlordane	ND	0.11	ug/l	
60-57-1	Dieldrin	ND	0.055	ug/l	
72-54-8	4,4'-DDD	ND	0.11	ug/l	
72-55-9	4,4'-DDE	ND	0.11	ug/l	
50-29-3	4,4'-DDT	ND	0.11	ug/l	
72-20-8	Endrin	ND	0.11	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.11	ug/l	
7421-93-4	Endrin aldehyde	ND	0.11	ug/l	
53494-70-5	Endrin ketone	ND	0.11	ug/l	
959-98-8	Endosulfan-I	ND	0.055	ug/l	
33213-65-9	Endosulfan-II	ND	0.11	ug/l	
76-44-8	Heptachlor	ND	0.055	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.055	ug/l	
72-43-5	Methoxychlor	ND	0.22	ug/l	
8001-35-2	Toxaphene	ND	2.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		50-128%
2051-24-3	Decachlorobiphenyl	96%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-04S-01		
Lab Sample ID:	F8266-2	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08255.D	1	12/06/00	SKW	12/05/00	OP2389	GST294
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
60-57-1	Dieldrin	ND	0.050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		50-128%
2051-24-3	Decachlorobiphenyl	84%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-07S-02		
Lab Sample ID:	F8266-3	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08256.D	1	12/06/00	SKW	12/05/00	OP2389	GST294
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
60-57-1	Dieldrin	ND	0.050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		50-128%
2051-24-3	Decachlorobiphenyl	67%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-05S-01		
Lab Sample ID:	F8266-4	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST08257.D	1	12/06/00	SKW	12/05/00	OP2389	GST294
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.050	ug/l	
319-84-6	alpha-BHC	ND	0.050	ug/l	
319-85-7	beta-BHC	ND	0.050	ug/l	
319-86-8	delta-BHC	ND	0.050	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.050	ug/l	
12789-03-6	Chlordane	ND	0.50	ug/l	
5103-71-9	alpha-Chlordane	ND	0.10	ug/l	
5103-74-2	gamma-Chlordane	ND	0.10	ug/l	
60-57-1	Dieldrin	ND	0.050	ug/l	
72-54-8	4,4'-DDD	ND	0.10	ug/l	
72-55-9	4,4'-DDE	ND	0.10	ug/l	
50-29-3	4,4'-DDT	ND	0.10	ug/l	
72-20-8	Endrin	ND	0.10	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.10	ug/l	
7421-93-4	Endrin aldehyde	ND	0.10	ug/l	
53494-70-5	Endrin ketone	ND	0.10	ug/l	
959-98-8	Endosulfan-I	ND	0.050	ug/l	
33213-65-9	Endosulfan-II	ND	0.10	ug/l	
76-44-8	Heptachlor	ND	0.050	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.050	ug/l	
72-43-5	Methoxychlor	ND	0.20	ug/l	
8001-35-2	Toxaphene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		50-128%
2051-24-3	Decachlorobiphenyl	98%		11-157%

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

PITT-06-0-024

TO: **MARK SPERANZA** **DATE: JANUARY 29, 2001**

FROM: **JUSTIN ORBICH** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PESTICIDE**
CTO 078 – NAS CECIL FIELD
SDG F8266R

SAMPLES: 4/Groundwater

CEF-P51-GW-02S-01 CEF-P51-GW-04S-01
CEF-P51-GW-05S-01 CEF-P51-GW-07S-02

OVERVIEW

The sample set for CTO 078, SDG F8266R Naval Air Station (NAS) Cecil Field; Florida consists of four (4) groundwater environmental samples. The samples were analyzed for Dieldrin. No field duplicate pairs were included within this SDG.

The samples were collected by Tetra Tech, NUS on November 28th, 2000 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 8081A modified 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.

PESTICIDE FRACTION

The laboratory did not provide the low concentration results in their original data submission of SDG F8266. The results contained in this report were reported after the submission of the full TCL pesticide list (less Dieldrin) data package. The laboratory was asked to go back and provide low concentration Dieldrin results after receipt of the initial data.

It should be noted that aqueous samples were concentrated to a lower volume in order to achieve a lower detection limit for Dieldrin. The laboratory calibrated the instrument using a 1 ug/L standard. However, because the Chain of Custody record did not indicate the need for low level analysis, the laboratory did not prepare a Laboratory Control Sample (Blank Spike) and a Matrix

MEMO TO: MARK SPERANZA
DATE: JANUARY 29, 2001 – PAGE 2

Spike/Matrix Spike Duplicate with the associated samples. Therefore, quality control data was not provided with this data set. No action was taken for this occurrence.

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)."

Justin Orbich

Chemist/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

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8266R

SAMPLE NUMBER:	CEF-P51-GW-02S-01			CEF-P51-GW-04S-01			CEF-P51-GW-05S-01			CEF-P51-GW-07S-02		
SAMPLE DATE:	11/28/00			11/28/00			11/28/00			11/28/00		
LABORATORY ID:	F8266-1R			F8266-2R			F8266-4R			F8266-3R		
QC_TYPE:	NORMAL			NORMAL			NORMAL			NORMAL		
% SOLIDS:	0.0 %			0.0 %			0.0 %			0.0 %		
UNITS:	UG/L			UG/L			UG/L			UG/L		
FIELD DUPLICATE OF:												
	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
PESTICIDES/PCBs												
DIELDRIN	0.014	U		0.003	U		0.003	U		0.005	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-GW-02S-01		
Lab Sample ID:	F8266-1R	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00993.D	5	01/10/01	SKW	12/05/00	OP2548	GDD34
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.014	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		50-128%
2051-24-3	Decachlorobiphenyl	102%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-04S-01		
Lab Sample ID:	F8266-2R	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00990.D	1	01/10/01	SKW	12/05/00	OP2548	GDD34
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0025	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		50-128%
2051-24-3	Decachlorobiphenyl	89%		11-157%

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-07S-02		
Lab Sample ID:	F8266-3R	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD00994.D	2	01/10/01	SKW	12/05/00	OP2548	GDD34
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		50-128%
2051-24-3	Decachlorobiphenyl	86%		11-157%

(a) Dilution required due to matrix interference.

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

Report of Analysis

Client Sample ID:	CEF-P51-GW-05S-01		
Lab Sample ID:	F8266-4R	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	NAS Cecil Field - PSC51		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD00992.D	1	01/10/01	SKW	12/05/00	OP2548	GDD34
Run #2							

Pesticide TCL List

CAS No.	Compound	Result	RL	Units	Q
60-57-1	Dieldrin	ND	0.0025	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		50-128%
2051-24-3	Decachlorobiphenyl	67%		11-157%

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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JANUARY 22, 2001**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO-078 NAS CECIL FIELD
SDG – F8304

SAMPLES: 3/Aqueous/

CEF-P51-GW-01S-01 CEF-P51-GW-03S-01 CEF-P51-GW-DUP1

Overview

The sample set for CTO 078, NAS Cecil Field, SDG F8304, consists of three (3) aqueous environmental samples. The field duplicate pair (CEF-P51-GW-03S-01 / CEF-P51-GW-DUP1) is part of this SDG.

All samples were analyzed for arsenic only. The samples were collected by TetraTech NUS on December 5, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Metals analyses were conducted using SW 846 method 6010B.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
* • Laboratory Blank Analyses
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM" (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
Erin M. Faust
Environmental Scientist

TetraTech NUS
Joseph A. Samchuck
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
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%

NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8304

SAMPLE NUMBER:	CEF-P51-GW-01S-01	CEF-P51-GW-03S-01	CEF-P51-GW-DUP1	
SAMPLE DATE:	12/05/00	12/05/00	12/05/00	/ /
LABORATORY ID:	F8304-2	F8304-1	F8304-3	
QC_TYPE:	NORMAL	NORMAL	NORMAL	
% SOLIDS:	0.0 %	0.0 %	0.0 %	100.0 %
UNITS:	UG/L	UG/L	UG/L	
FIELD DUPLICATE OF:			CEF-P51-035-1	

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U				

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Report of Analysis

Client Sample ID:	CEF-P51-GW-01S-01		
Lab Sample ID:	F8304-2	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	12/07/00	12/13/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-GW-03S-01		
Lab Sample ID:	F8304-1	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method
Arsenic	3.2 U	10.0	ug/l	1	12/07/00	12/13/00	JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-GW-DUP1		
Lab Sample ID:	F8304-3	**Date Sampled:**	12/05/00
Matrix:	AQ - Ground Water	**Date Received:**	12/06/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	12/07/00	12/13/00 JK	SW846 6010B

RL = Reporting Limit

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**JANUARY 16, 2001**
FROM:	**GRETCHEN PHIPPS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC**
CTO 078 - NAS CECIL FIELD
SDGs – F8095, F8117, F8104 AND F8266

SAMPLES: **F8095**

9/Aqueous/

CEF-P51-SW-010
CEF-P51-SW-011
CEF-P51-SW-012
CEF-P51-SW-013
CEF-P51-SW-014
CEF-P51-SW-015
CEF-P51-SW-016
CEF-P51-SW-017
CEF-P51-SW-018

11/Sediments/

CEF-P51-SD-010
CEF-P51-SD-011
CEF-P51-SD-012
CEF-P51-SD-013
CEF-P51-SD-014
CEF-P51-SD-015
CEF-P51-SD-016
CEF-P51-SD-017
CEF-P51-SD-018
CEF-P51-SD-DUP1
CEF-P51-SD-DUP2

F8117

12/Aqueous/

CEF-P51-SW-001
CEF-P51-SW-002
CEF-P51-SW-003
CEF-P51-SW-004
CEF-P51-SW-005
CEF-P51-SW-006
CEF-P51-SW-007
CEF-P51-SW-008
CEF-P51-SW-009
CEF-P51-SW-027
CEF-P51-SW-028
CEF-P51-SW-DUP2

11/Sediments/

CEF-P51-SD-001
CEF-P51-SD-002
CEF-P51-SD-003
CEF-P51-SD-004
CEF-P51-SD-005
CEF-P51-SD-006
CEF-P51-SD-007
CEF-P51-SD-008
CEF-P51-SD-009
CEF-P51-SD-027
CEF-P51-SD-028

F8104

7/Aqueous/

CEF-P51-SW-022	CEF-P51-SW-024
CEF-P51-SW-DUP1	CEF-P51-SW-019
CEF-P51-SW-020	CEF-P51-SW-021
CEF-P51-SW-023	

9/Sediments/

CEF-P51-SD-022	CEF-P51-SD-DUP3
CEF-P51-SD-019	CEF-P51-SD-020
CEF-P51-SD-021	CEF-P51-SD-023
CEF-P51-SD-024	CEF-P51-SD-025
CEF-P51-SD-026	

F8266

4/Aqueous/

CEF-P51-GW-02S-01	CEF-P51-GW-04S-01
CEF-P51-GW-05S-01	CEF-P51-GW-07S-02

Overview

The sample set for CTO 078, Cecil Field, SDGs F8095, F8117, F8104 and F8266, consists of thirty- two (32) aqueous and thirty-one (31) soil environmental samples. Five (5) field duplicate pairs were included within these SDGs:

CEF-P51-SD-DUP1 / CEF-P51-SD-011
CEF-P51-SD-DUP2 / CEF-P51-SD-016
CEF-P51-SD-DUP3 / CEF-P51-SD-021
CEF-P51-SW-DUP1 / CEF-P51-SW-022
CEF-P51-SW-DUP2 / CEF-P51-SW-008

The samples were analyzed for arsenic. The samples were collected by Tetra Tech NUS on November 8-10, 13, 28 and 30, 2000 and analyzed by Accutest Laboratory under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA / QC) criteria. Arsenic analyses were conducted using SW 846 method 6010B.

The data was evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Verifications
• Laboratory Blank Analyses
* • Field Duplicate Results
* • Detection Limits

* - All quality control criteria were met for this parameter.

Laboratory Blank Analyses

The following contaminant was detected in the laboratory method /preparation blanks at the following maximum concentration:

Affected samples: SDG F8095

Analyte	Maximum Concentration	Action Level(aqueous)	Action Level(soil)
Arsenic	8.2 µg/L	41.0 µg/L	4.1 mg/kg

Affected samples: SDG F8104

Analyte	Maximum Concentration	Action Level(aqueous)	Action Level(soil)
Arsenic	7.0 µg/L	35.0 µg/L	3.5 mg/kg

An action level of 5X the maximum concentration was used to established to evaluate for blank contamination. Sample aliquot, percent solids and dilution factors were taken into consideration when evaluating for blank contamination. Positive results less than the blank action level for arsenic were qualified, "U", as a result of blank contamination.

Executive Summary

Laboratory Performance: Arsenic was present in the laboratory method / preparation blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM." (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)."

Gretchen A Phipps

Tetra Tech NUS
Gretchen A. Phipps

Tetra Tech NUS
Joseph A. Samchuck
Quality Control Officer

Attachments:

1. Appendix A - Qualified Analytical Data
2. Appendix B - Results as reported by the Laboratory
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APPENDIX A
QUALIFIED ANALYTICAL RESULTS

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B = Field Blank Contamination
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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
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

CTO078-NAS CECIL FIELD
WATER DATA
Accutest, NJ
SDG: F8266

SAMPLE NUMBER:	CEF-P51-GW-02S-01	CEF-P51-GW-04S-01	CEF-P51-GW-05S-01	CEF-P51-GW-07S-02
SAMPLE DATE:	11/28/00	11/28/00	11/28/00	11/28/00
LABORATORY ID:	F8266-1	F8266-2	F8266-4	F8266-3
QC_TYPE:	NORMAL	NORMAL	NORMAL	NORMAL
% SOLIDS:	0.0 %	0.0 %	0.0 %	0.0 %
UNITS:	UG/L	UG/L	UG/L	UG/L
FIELD DUPLICATE OF:				

	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE	RESULT	QUAL	CODE
INORGANICS												
ARSENIC	3.2	U		3.2	U		3.2	U		3.2	U	

Report of Analysis

Client Sample ID:	CEF-P51-GW-02S-01		
Lab Sample ID:	F8266-1	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	12/04/00	12/13/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-GW-04S-01		
Lab Sample ID:	F8266-2	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	12/04/00	12/13/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-GW-05S-01		
Lab Sample ID:	F8266-4	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	12/04/00	12/13/00 JK	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CEF-P51-GW-07S-02		
Lab Sample ID:	F8266-3	**Date Sampled:**	11/28/00
Matrix:	AQ - Ground Water	**Date Received:**	12/01/00
		Percent Solids:	n/a
Project:	NAS Cecil Field - PSC51		

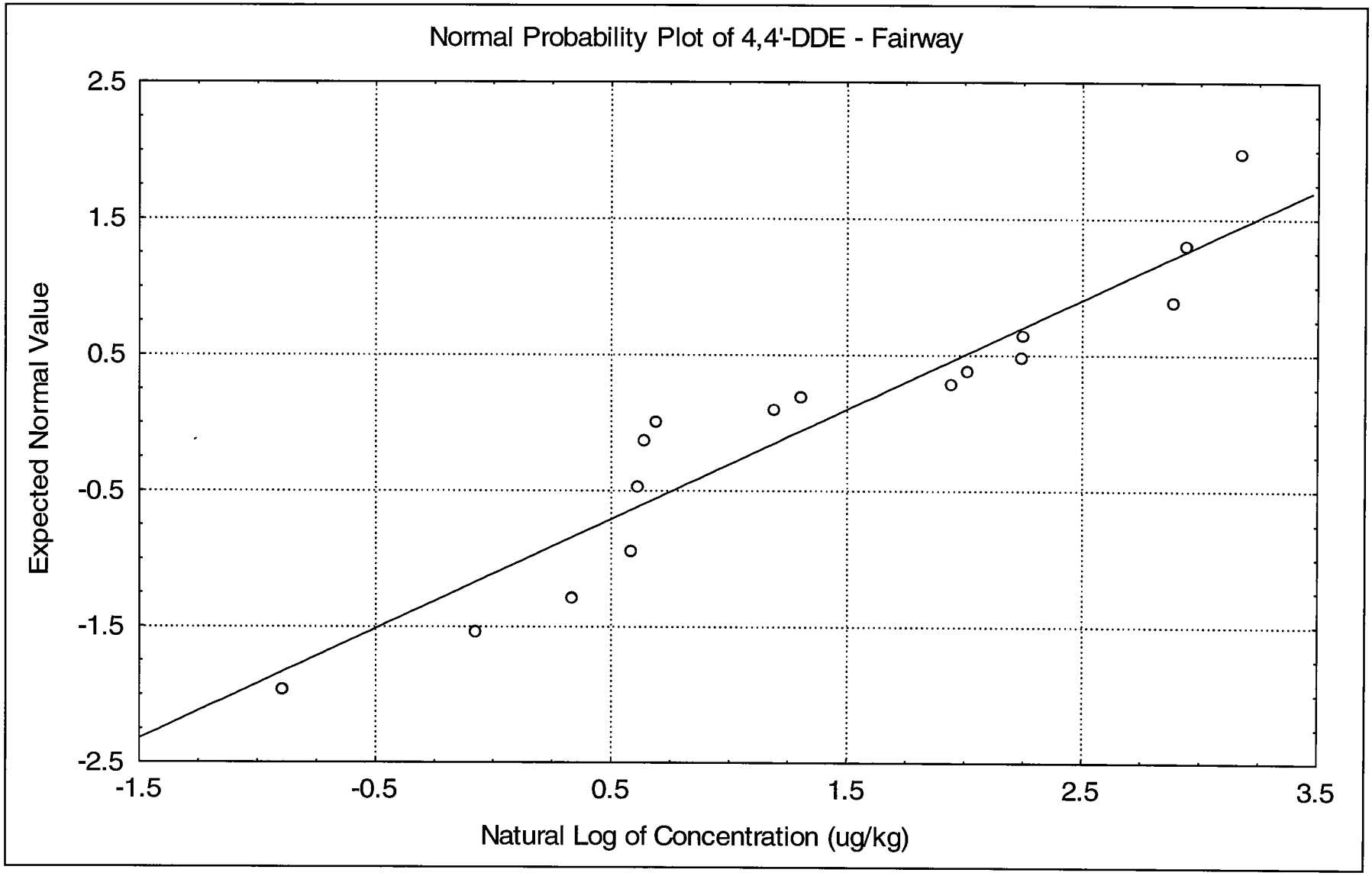
Metals Analysis

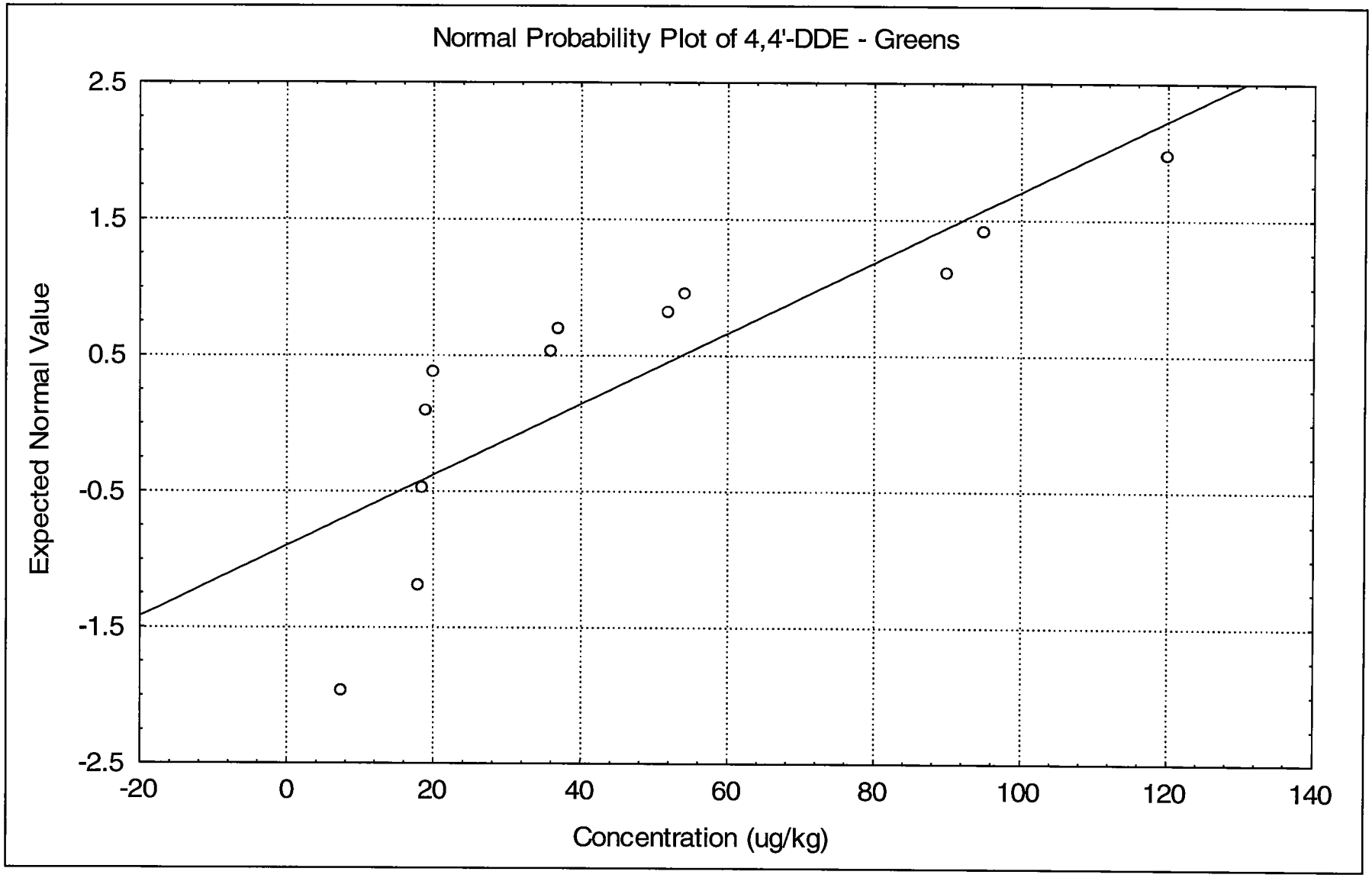
Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method
Arsenic	3.2 U	10.0	ug/l	1	12/04/00	12/13/00 JK	SW846 6010B

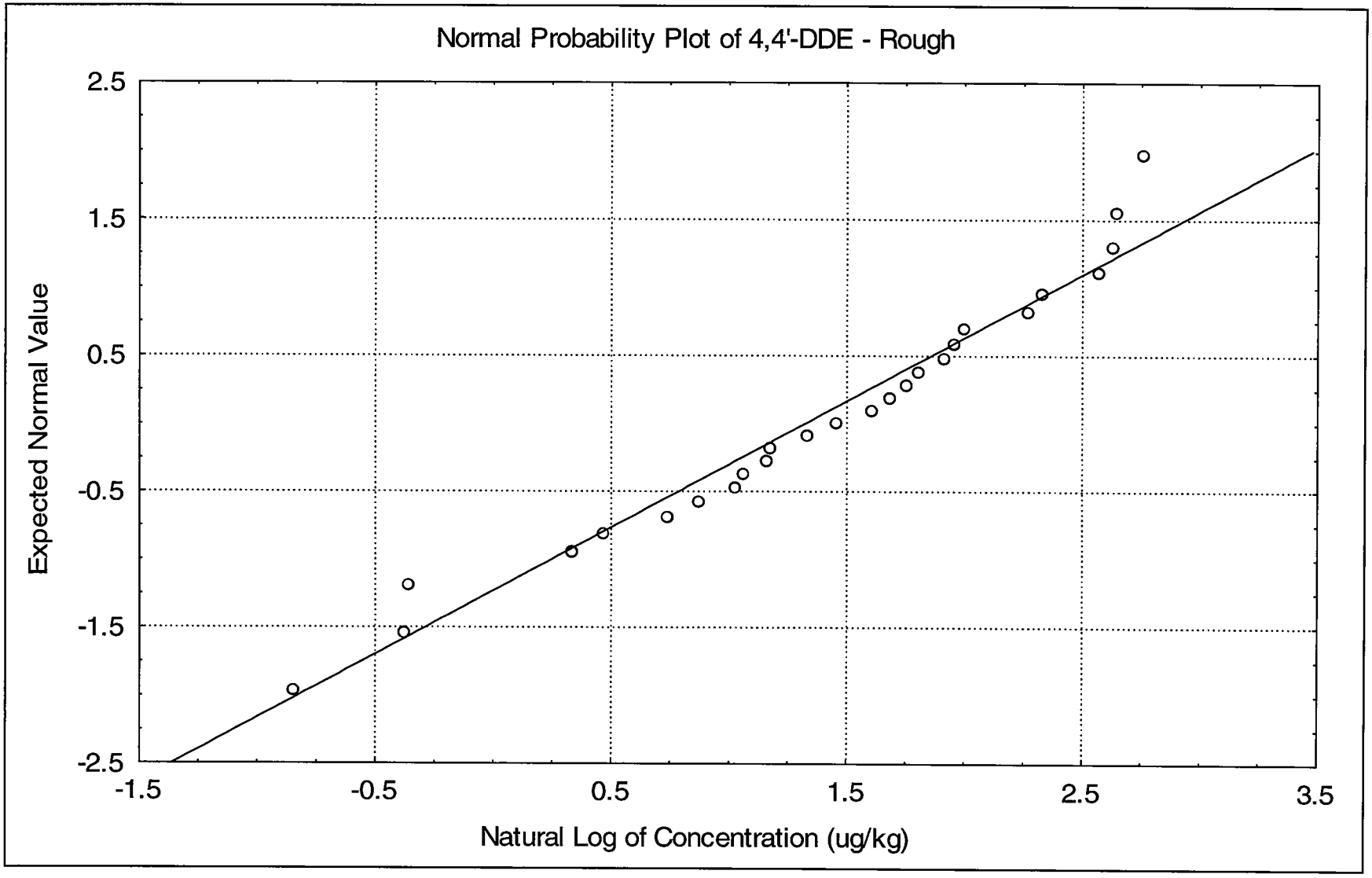
RL = Reporting Limit

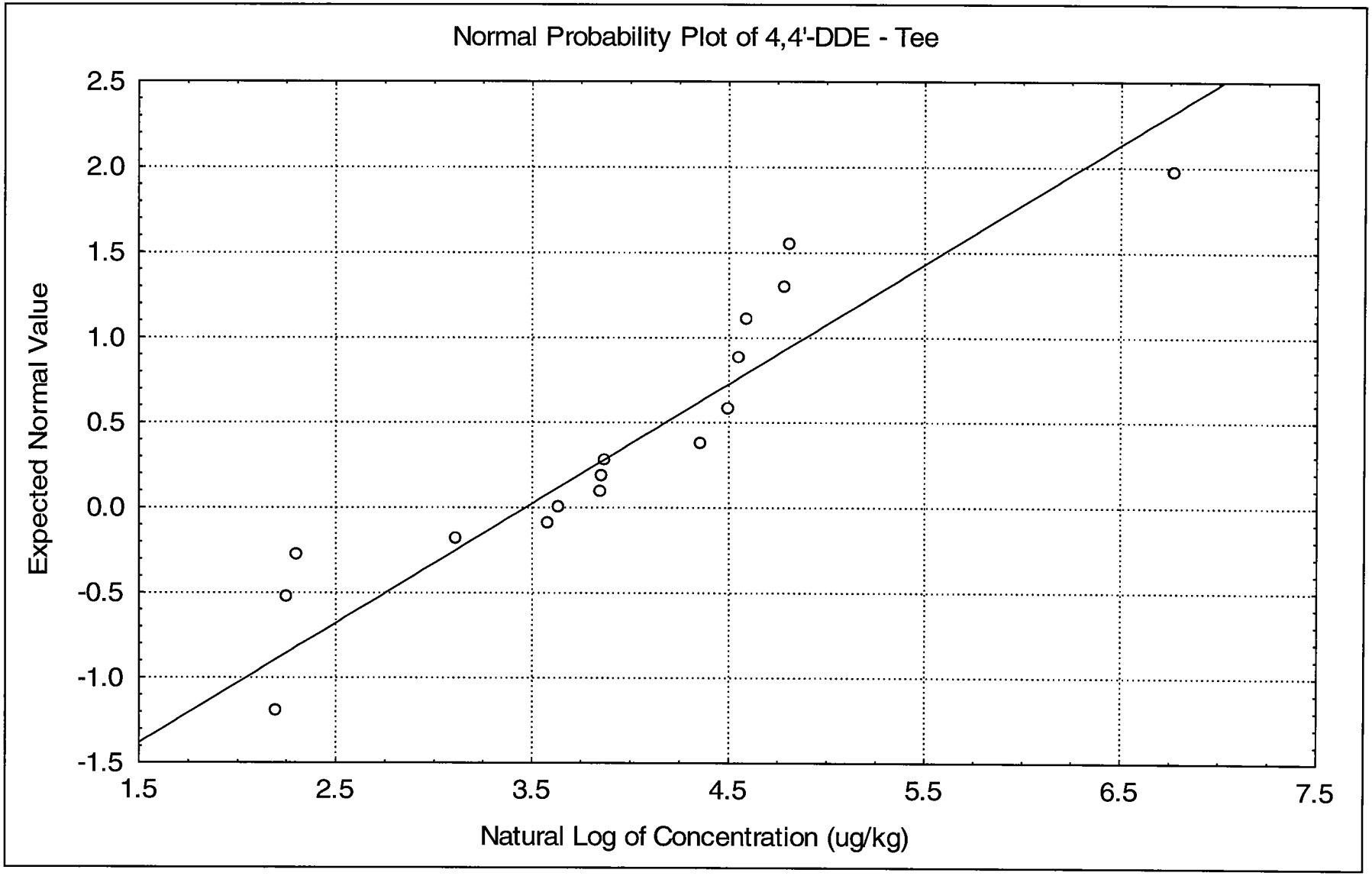
APPENDIX C

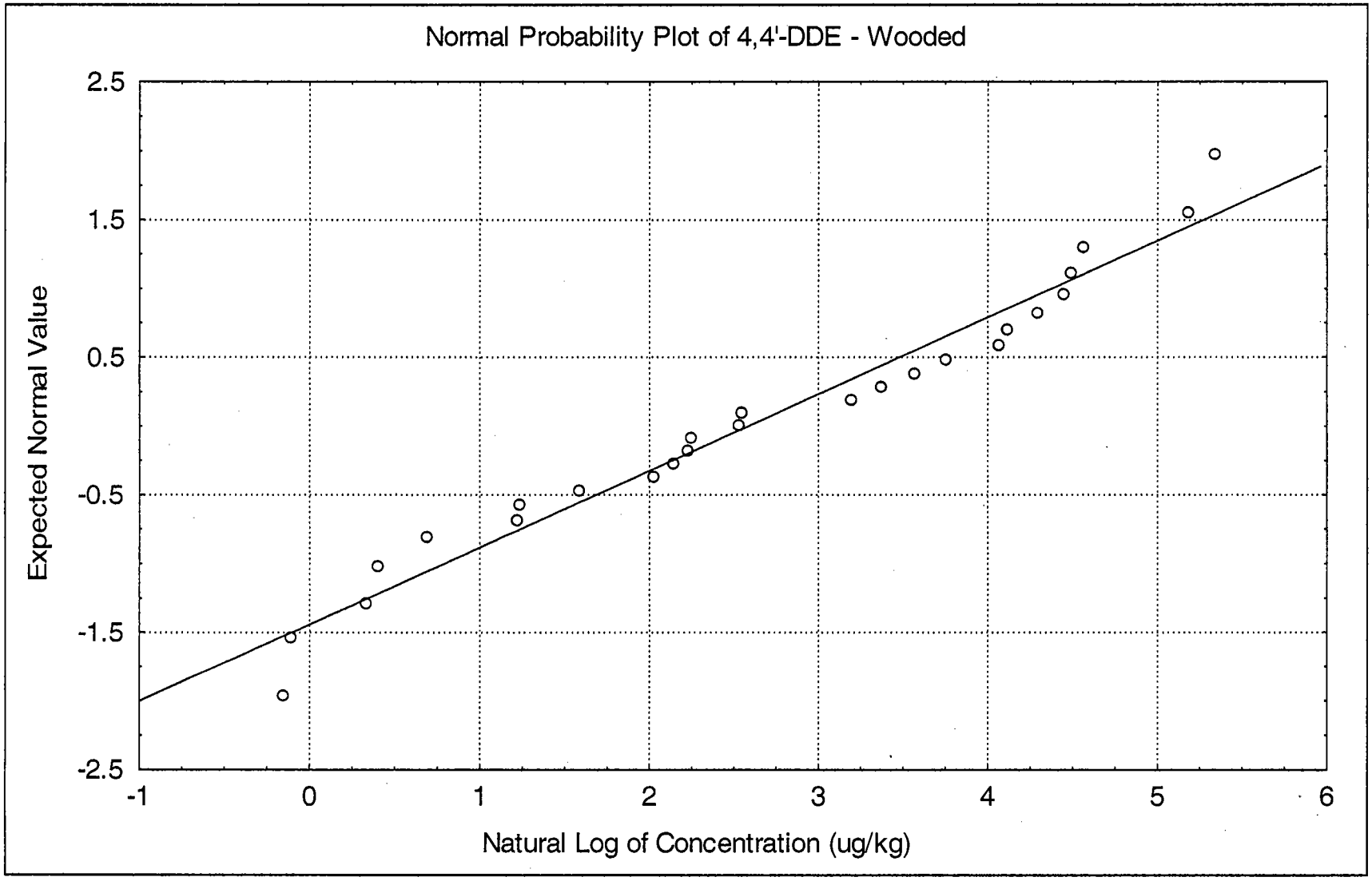
HUMAN HEALTH RISK ASSESSMENT PROBABILITY PLOTS

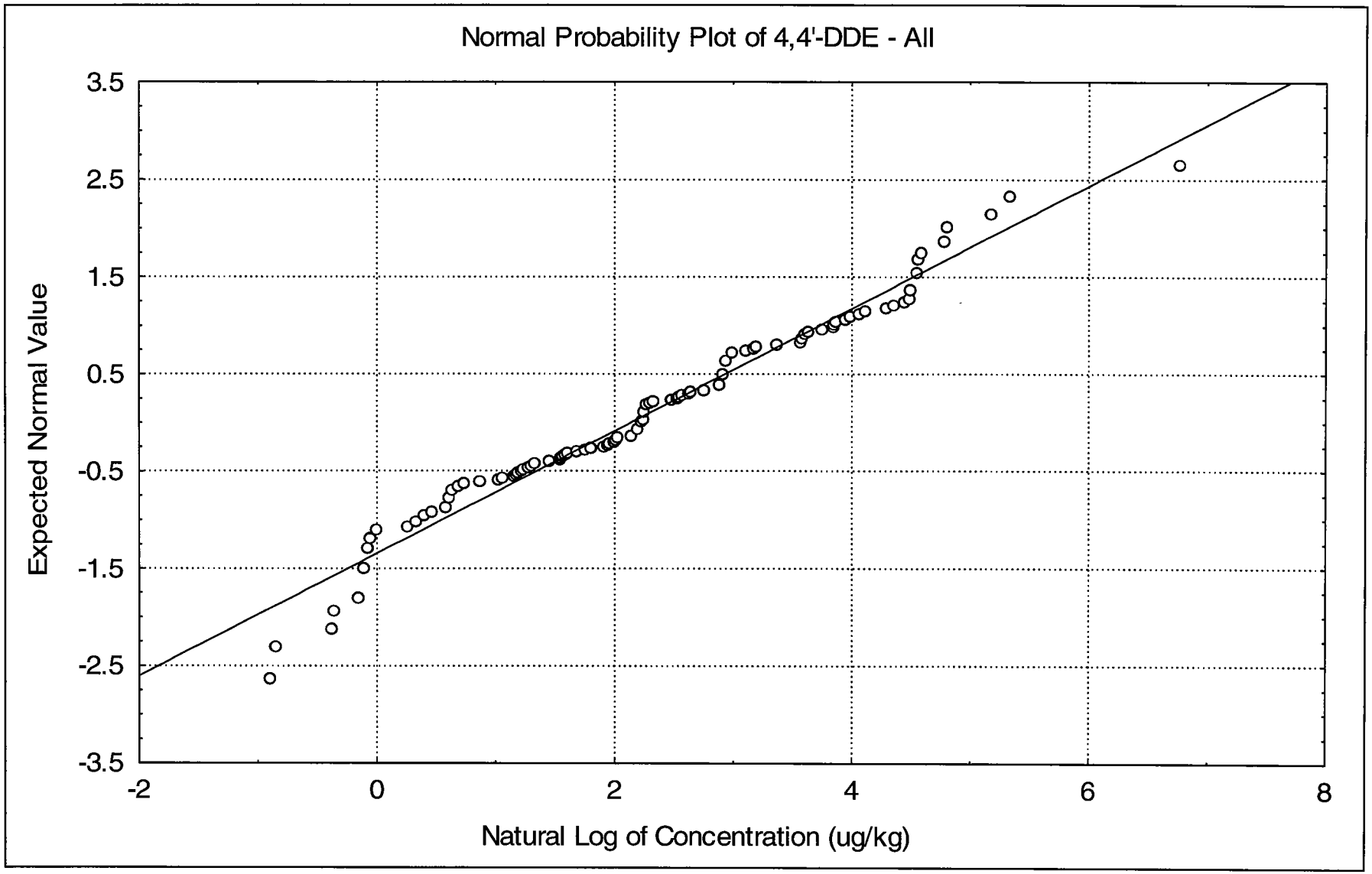

Normal Probability Plot of 4,4'-DDE - Fairway
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1.5
-0.5
0.5
1.5
2.5
3.5
Natural Log of Concentration (ug/kg)

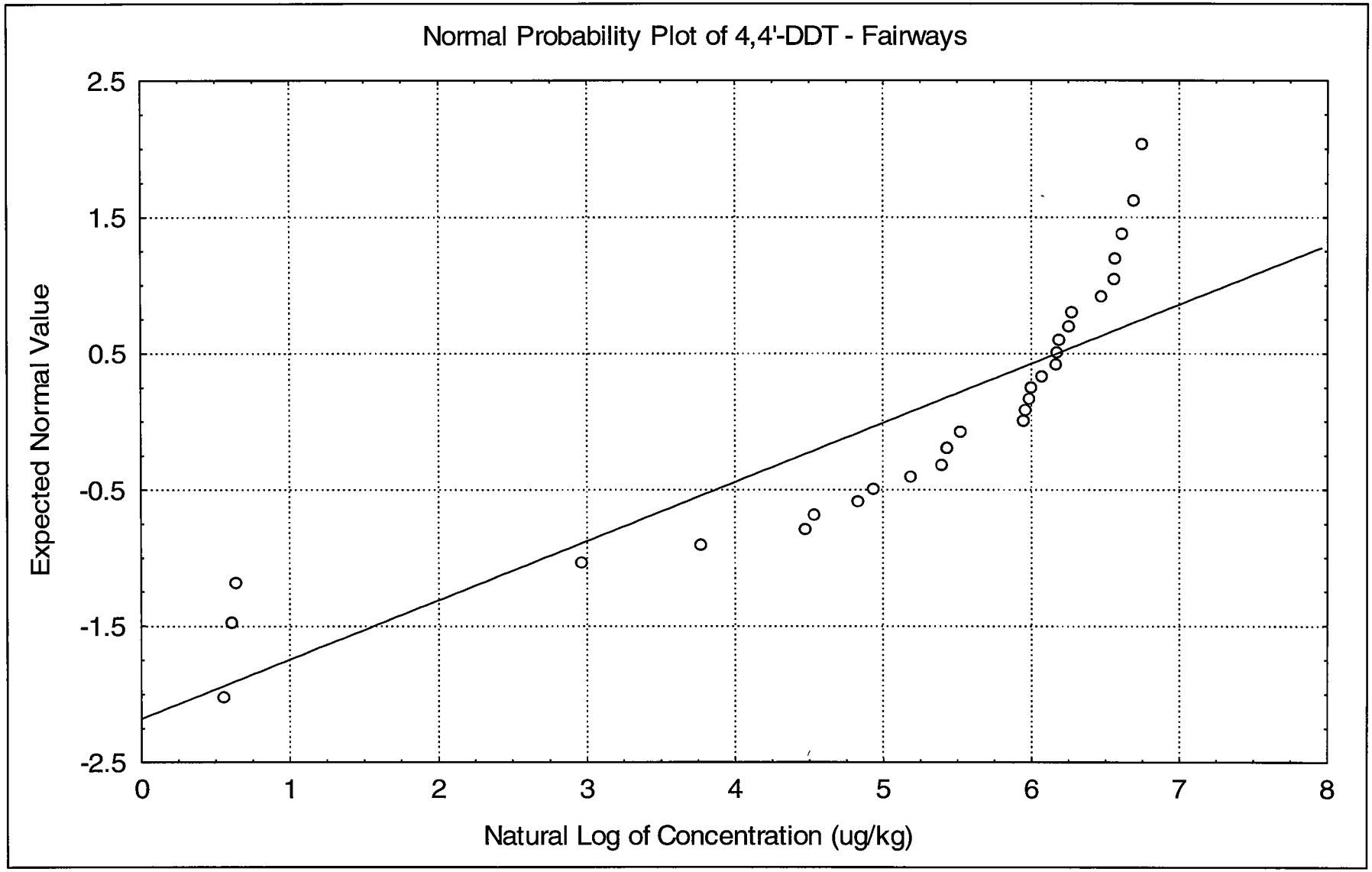

Normal Probability Plot of 4,4'-DDE - Greens
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-20
0
20
40
60
80
100
120
140
Concentration (ug/kg)

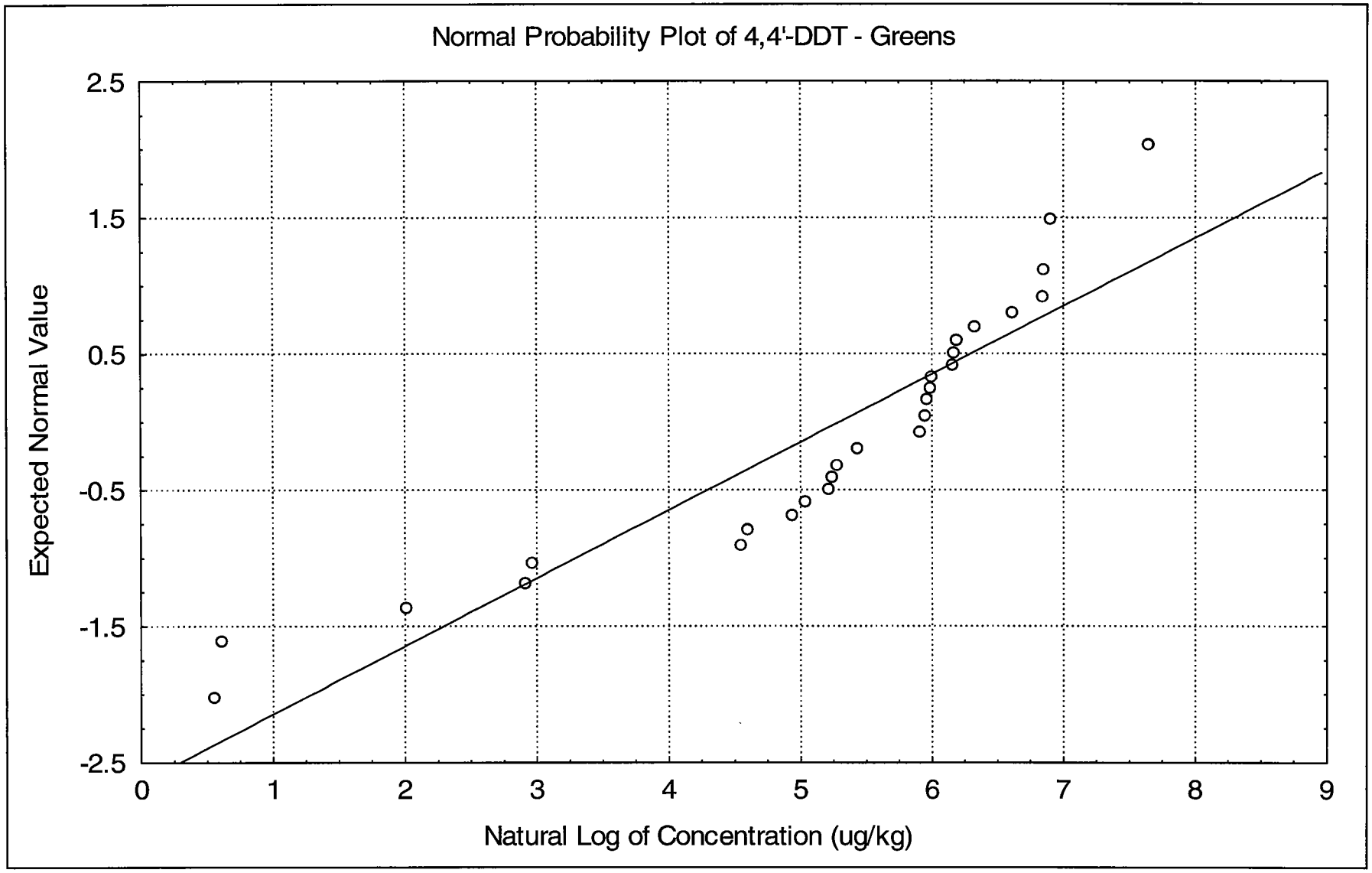

Normal Probability Plot of 4,4'-DDE - Rough
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1.5
-0.5
0.5
1.5
2.5
3.5
Natural Log of Concentration (ug/kg)

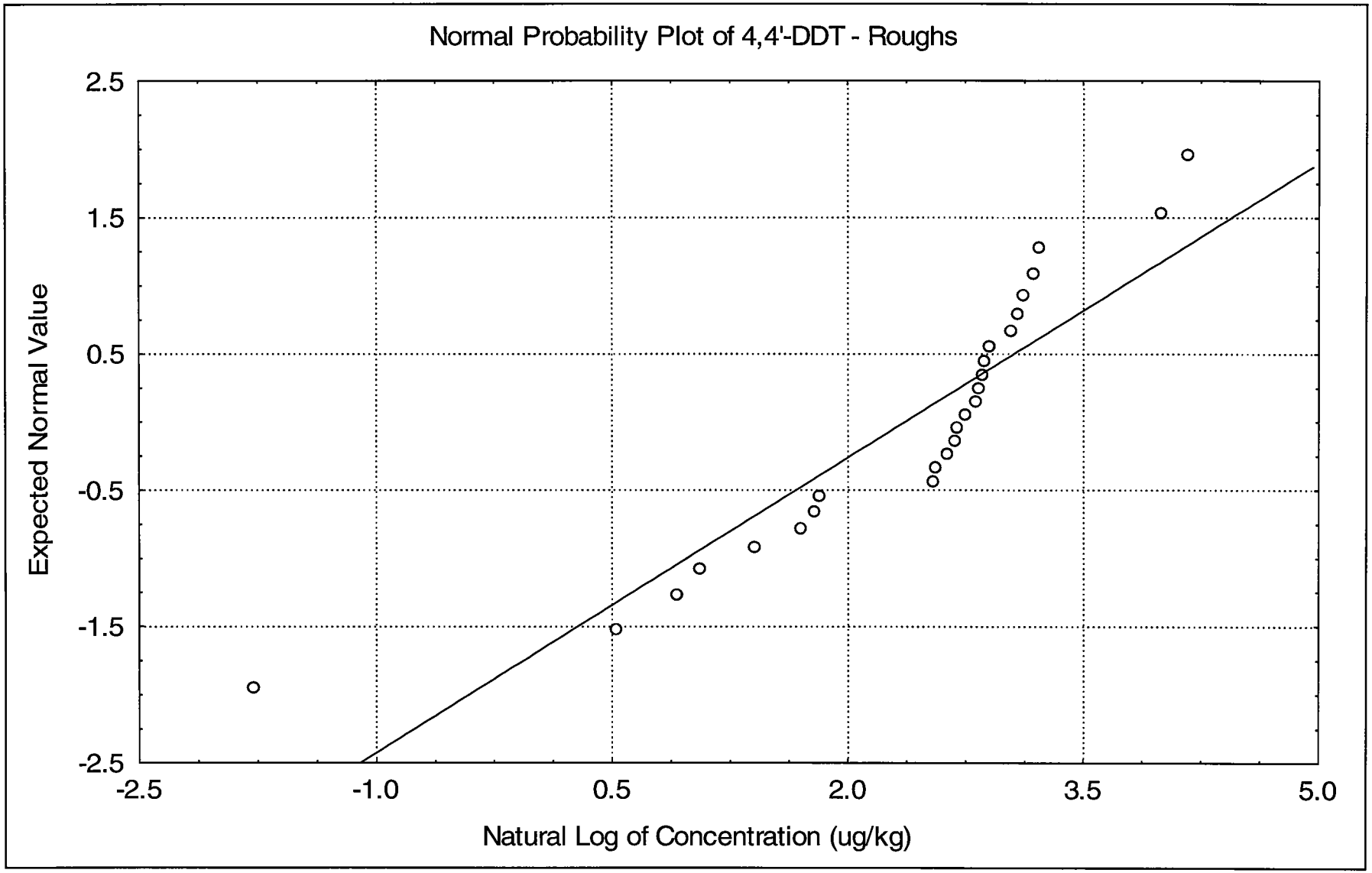

Normal Probability Plot of 4,4'-DDE - Tee
Expected Normal Value
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
1.5
2.5
3.5
4.5
5.5
6.5
7.5
Natural Log of Concentration (ug/kg)

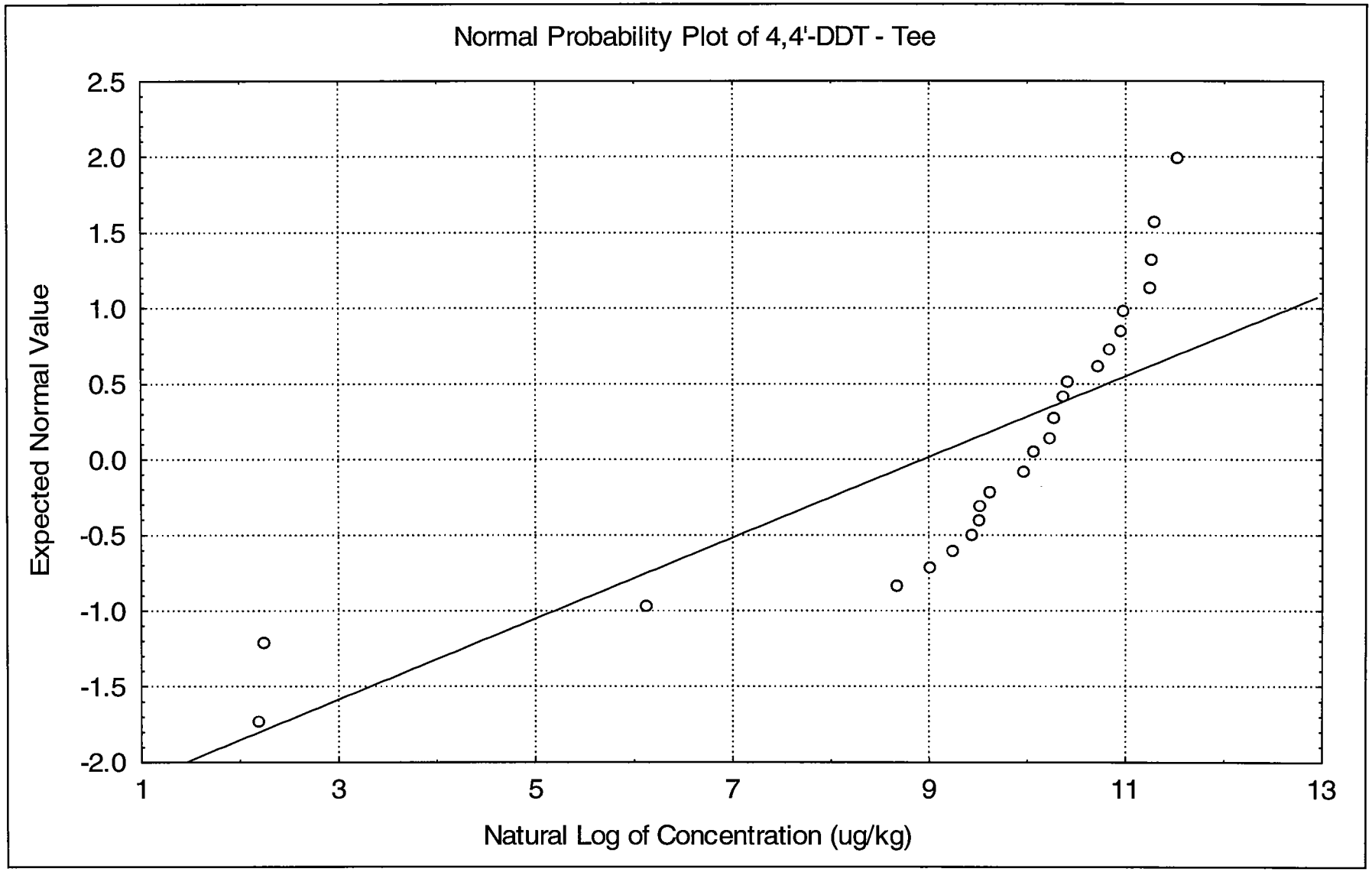

Normal Probability Plot of 4,4'-DDE - Wooded
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1
0
1
2
3
4
5
6
Natural Log of Concentration (ug/kg)

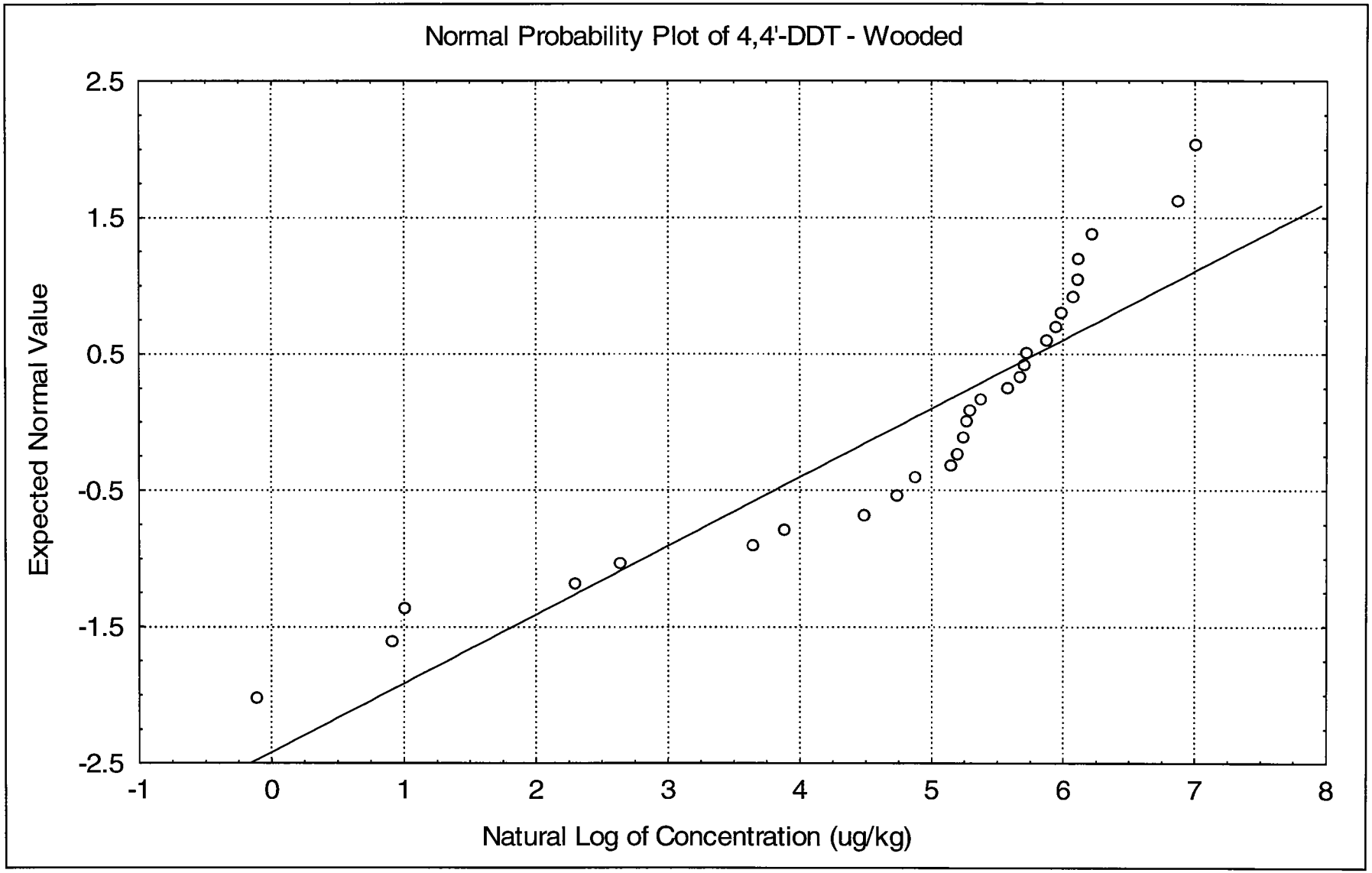

Normal Probability Plot of 4,4'-DDE - All
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
-3.5
-2
0
2
4
6
8
Natural Log of Concentration (ug/kg)

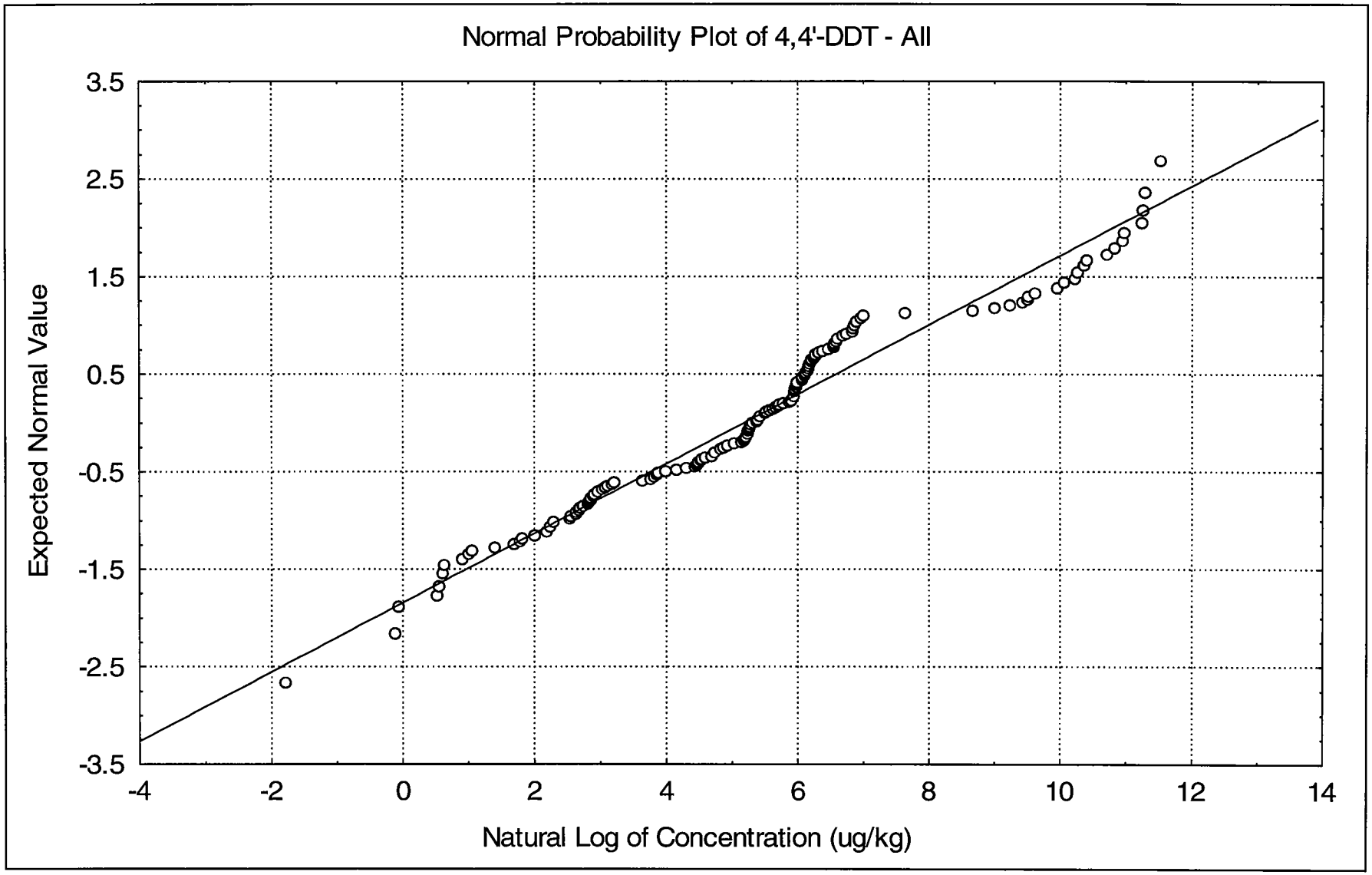

Normal Probability Plot of 4,4'-DDT - Fairways
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
0
1
2
3
4
5
6
7
8
Natural Log of Concentration (ug/kg)

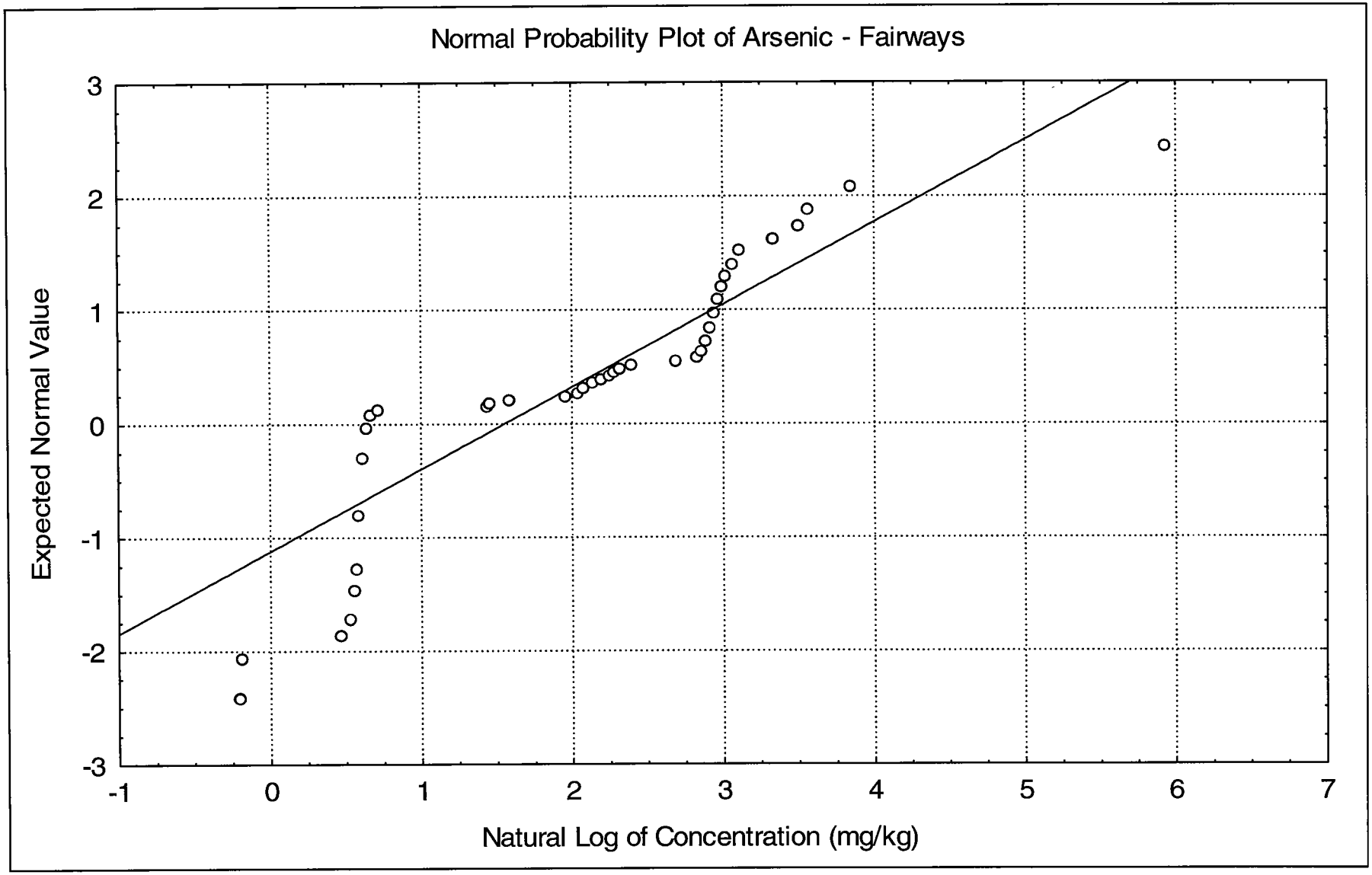

Normal Probability Plot of 4,4'-DDT - Greens
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
0
1
2
3
4
5
6
7
8
9
Natural Log of Concentration (ug/kg)

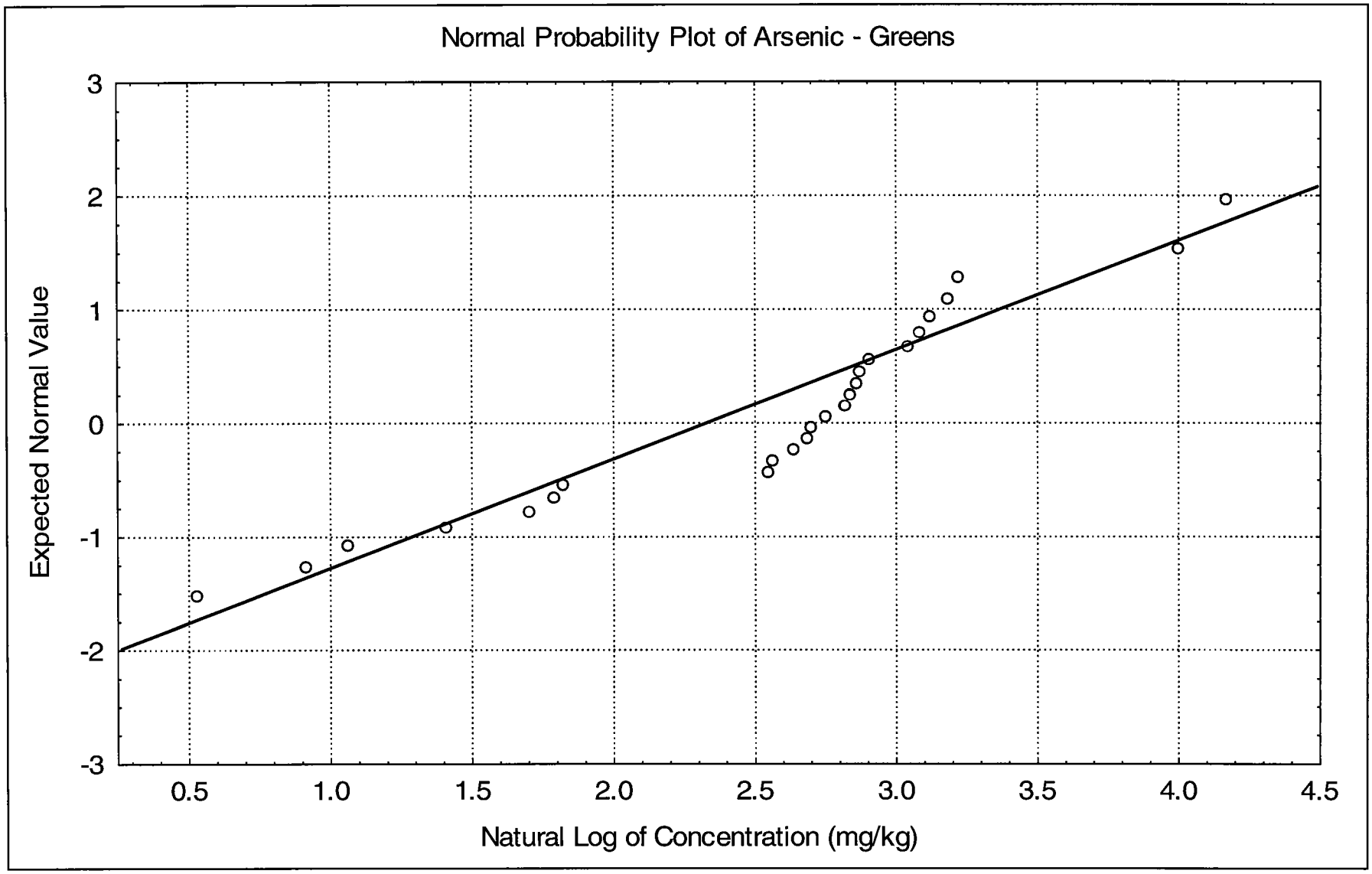

Normal Probability Plot of 4,4'-DDT - Roughs
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-2.5
-1.0
0.5
2.0
3.5
5.0
Natural Log of Concentration (ug/kg)

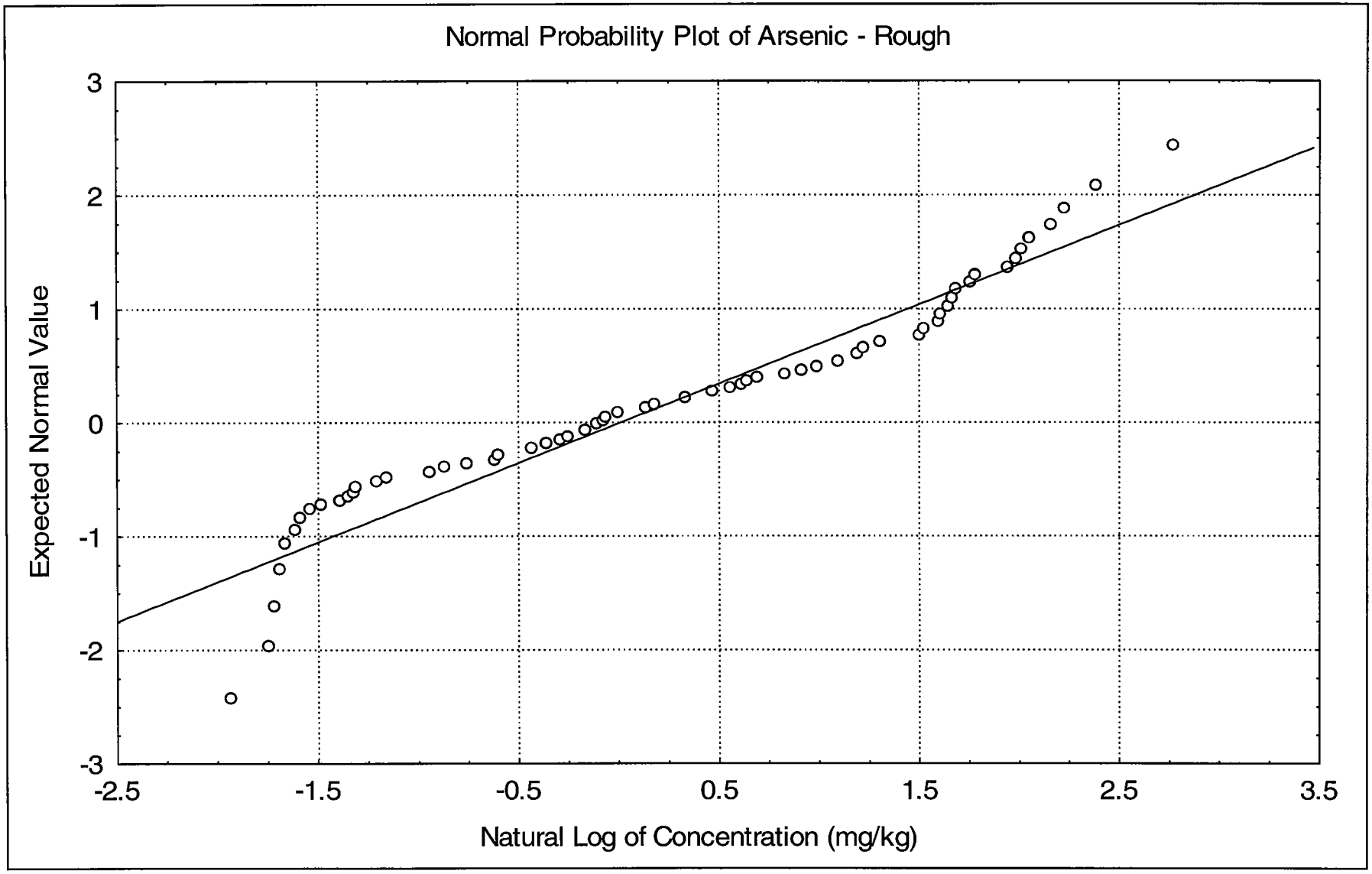

Normal Probability Plot of 4,4'-DDT - Tee
Expected Normal Value
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
1
3
5
7
9
11
13
Natural Log of Concentration (ug/kg)

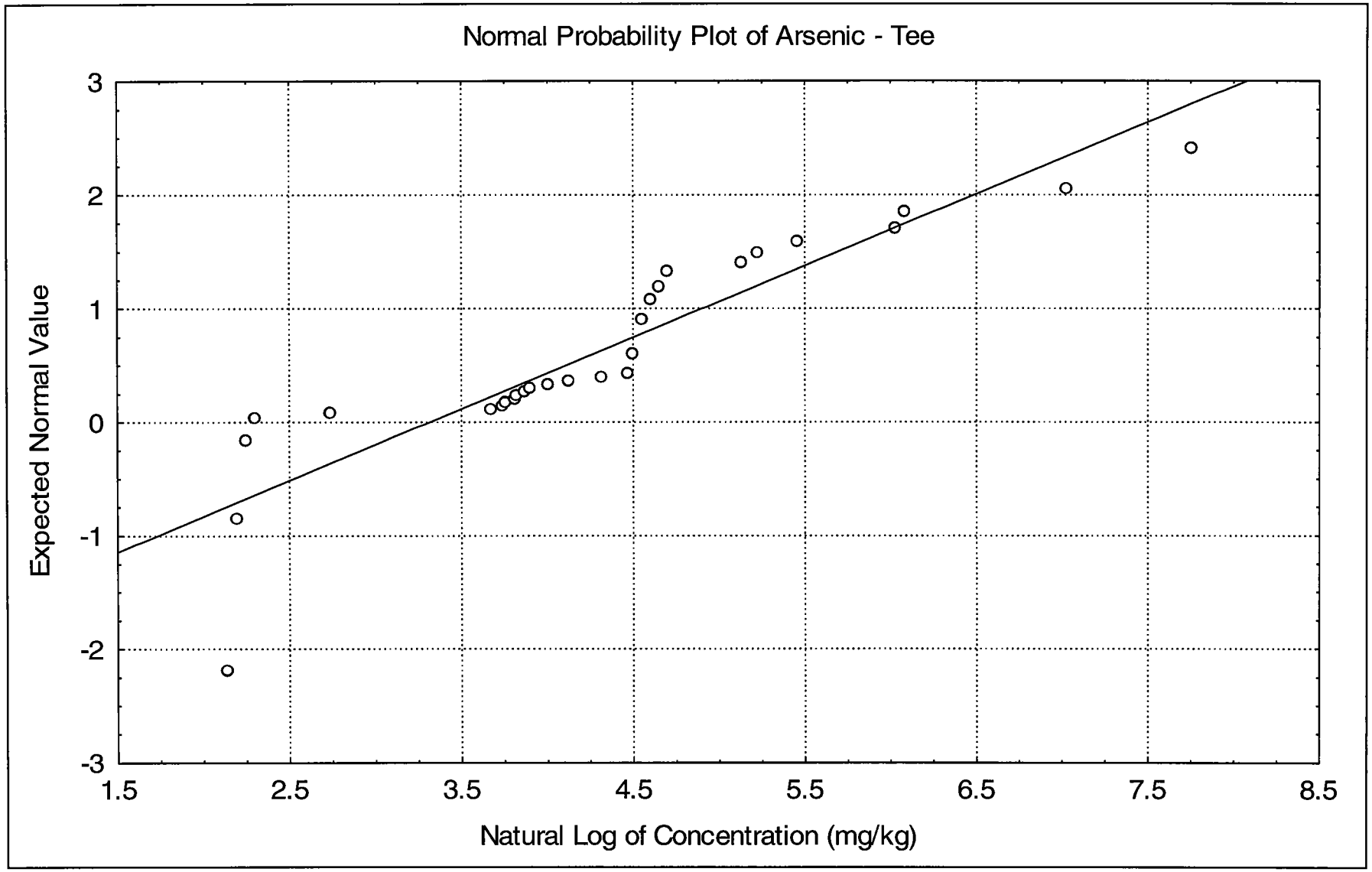

Normal Probability Plot of 4,4'-DDT - Wooded
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1
0
1
2
3
4
5
6
7
8
Natural Log of Concentration (ug/kg)

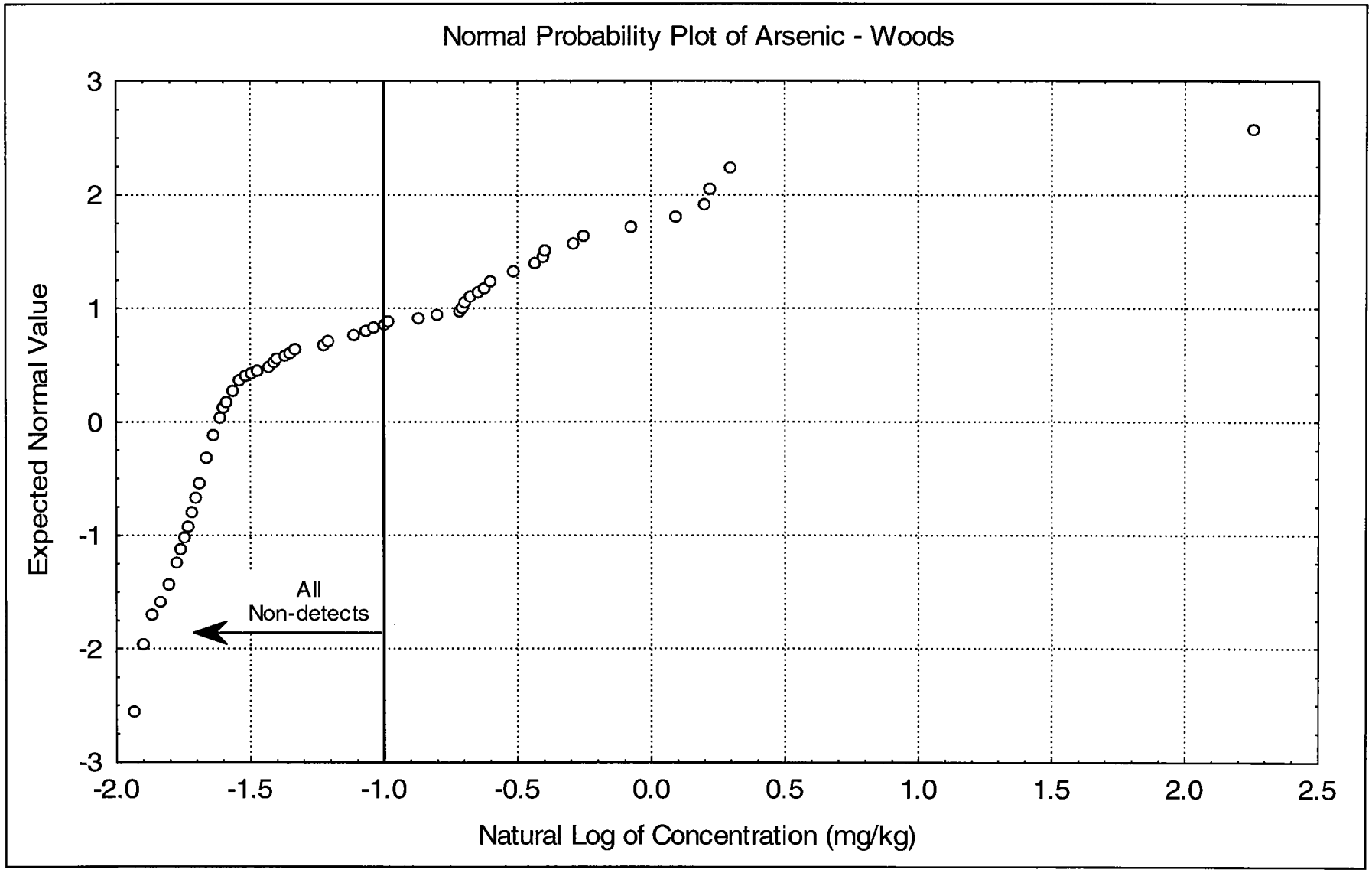

Normal Probability Plot of 4,4'-DDT - All
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
-3.5
-4
-2
0
2
4
6
8
10
12
14
Natural Log of Concentration (ug/kg)

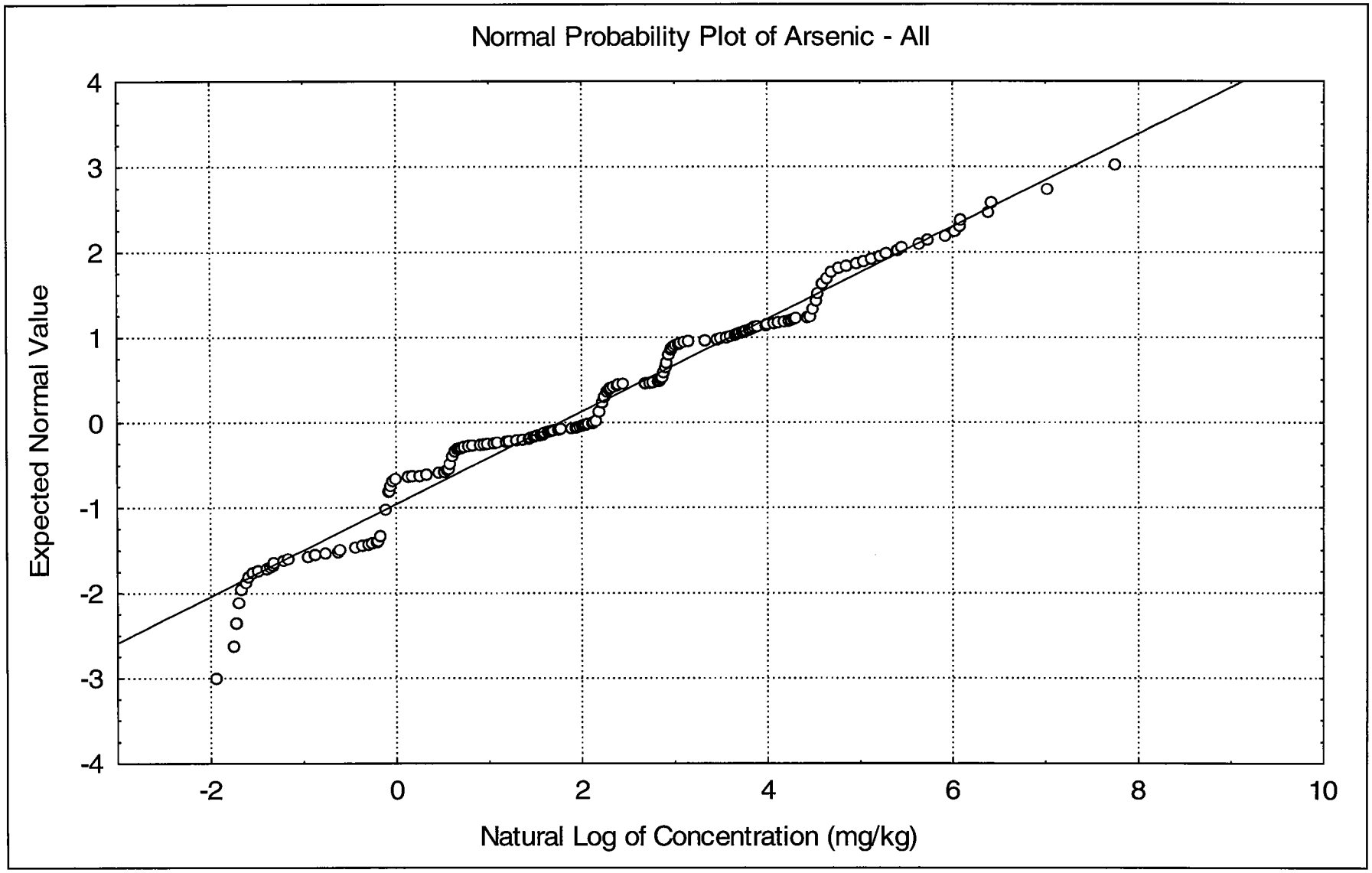

Normal Probability Plot of Arsenic - Fairways
Expected Normal Value
Natural Log of Concentration (mg/kg)
3
2
1
0
-1
-2
-3
-1
0
1
2
3
4
5
6
7

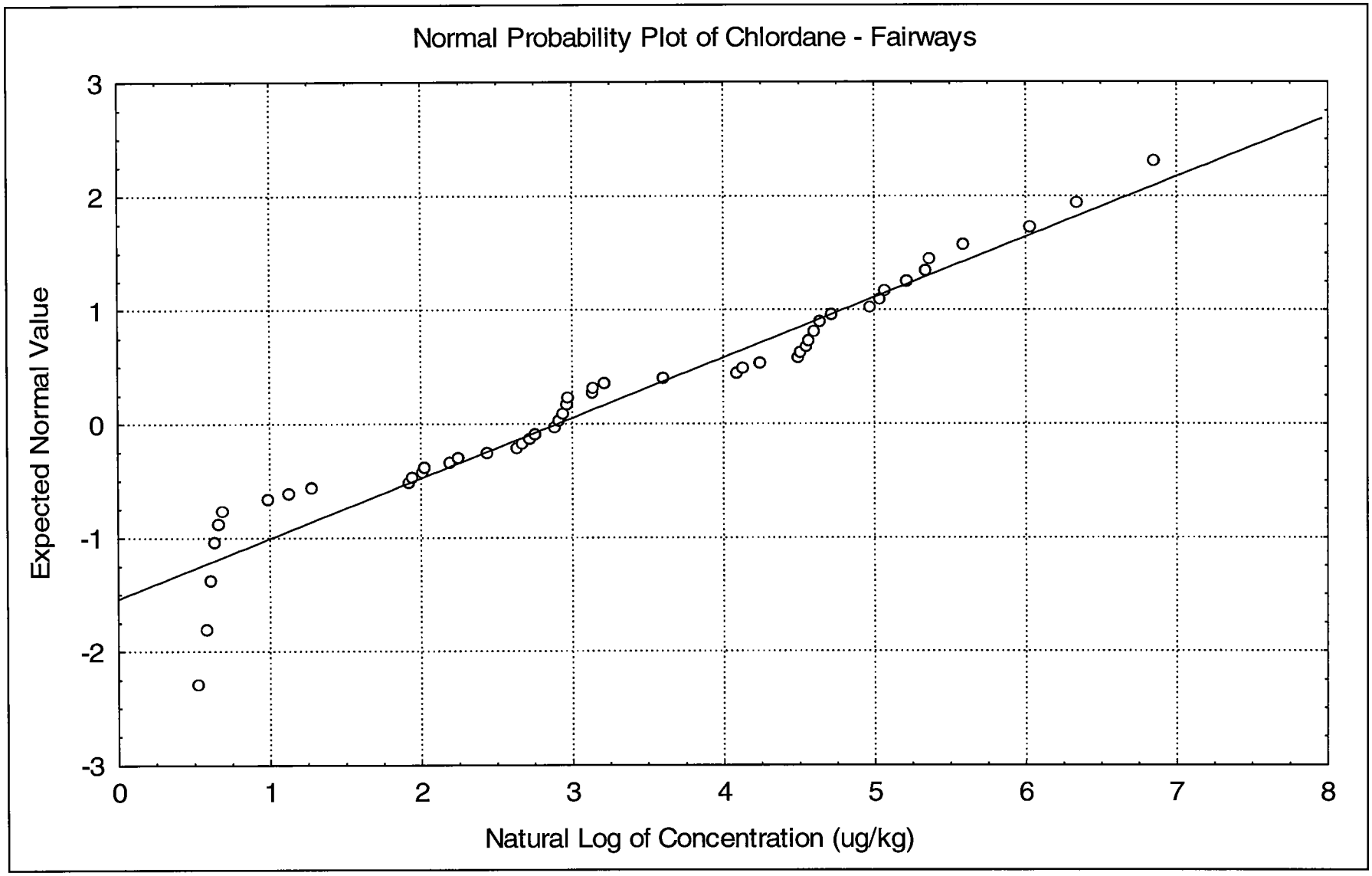

Normal Probability Plot of Arsenic - Greens
Expected Normal Value
3
2
1
0
-1
-2
-3
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
Natural Log of Concentration (mg/kg)

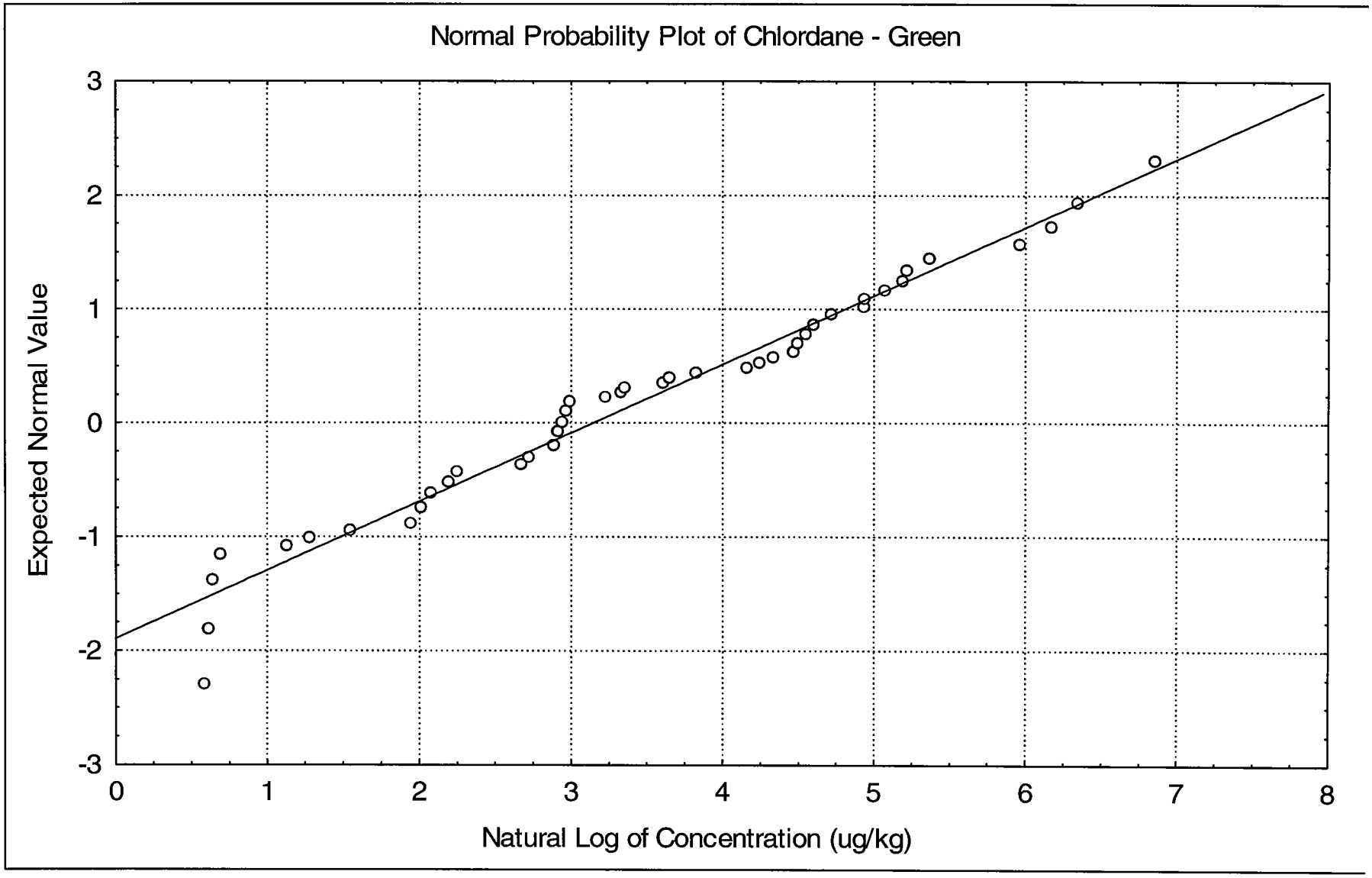

Normal Probability Plot of Arsenic - Rough
Expected Normal Value
3
2
1
0
-1
-2
-3
-2.5
-1.5
-0.5
0.5
1.5
2.5
3.5
Natural Log of Concentration (mg/kg)

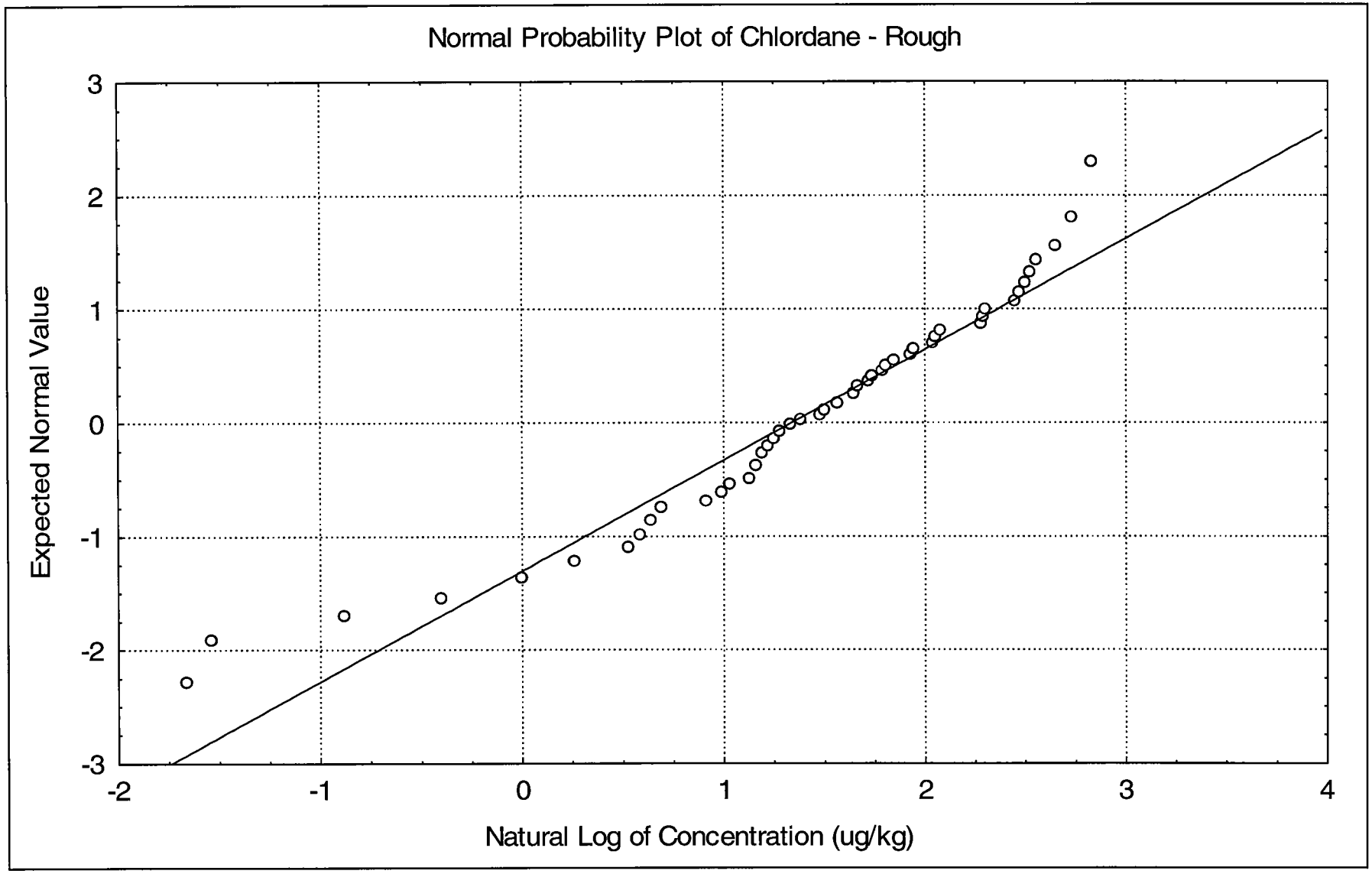

Normal Probability Plot of Arsenic - Tee
Expected Normal Value
3
2
1
0
-1
-2
-3
1.5
2.5
3.5
4.5
5.5
6.5
7.5
8.5
Natural Log of Concentration (mg/kg)

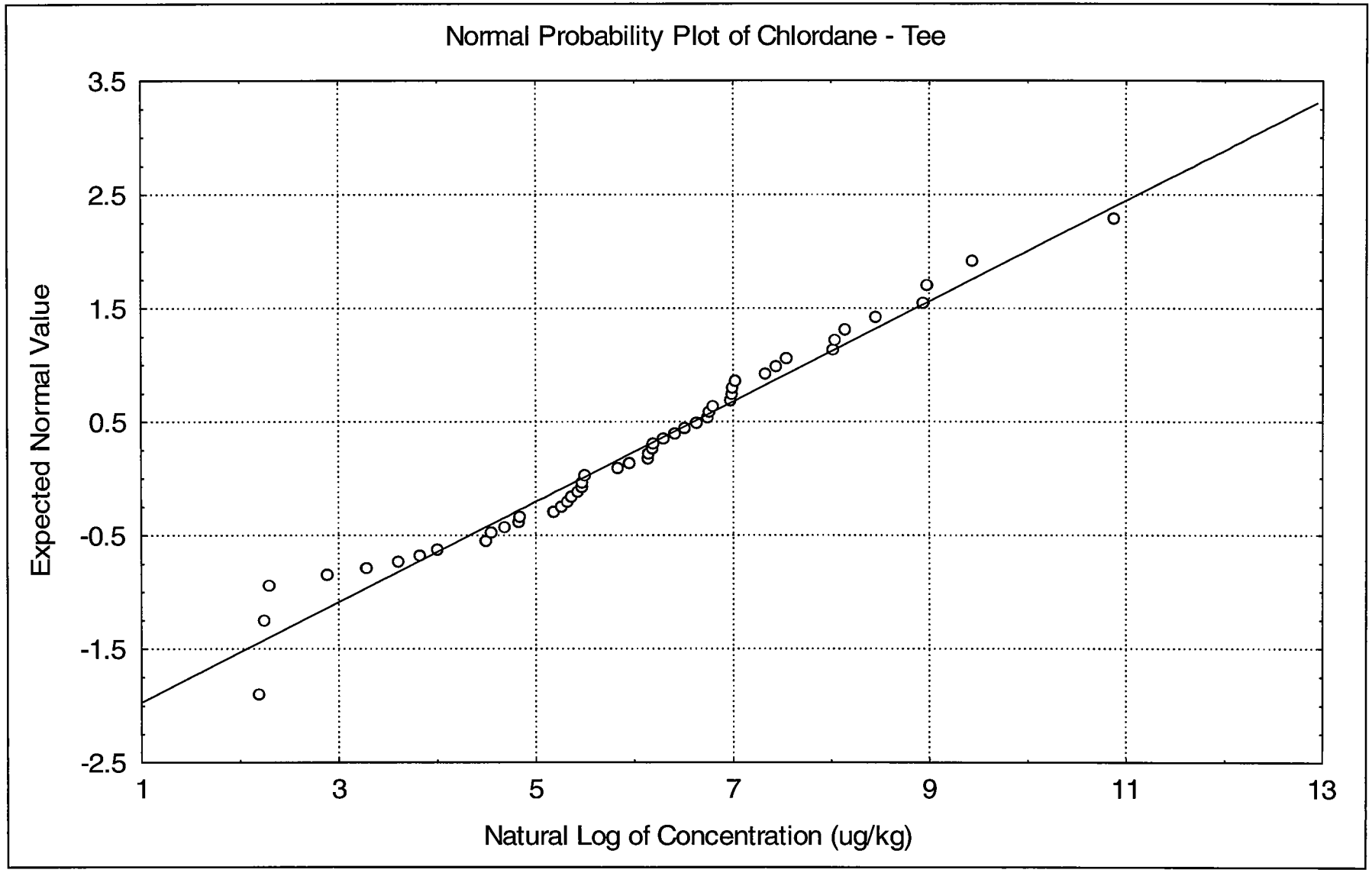

Normal Probability Plot of Arsenic - Woods
Expected Normal Value
3
2
1
0
-1
-2
-3
All
Non-detects
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
Natural Log of Concentration (mg/kg)

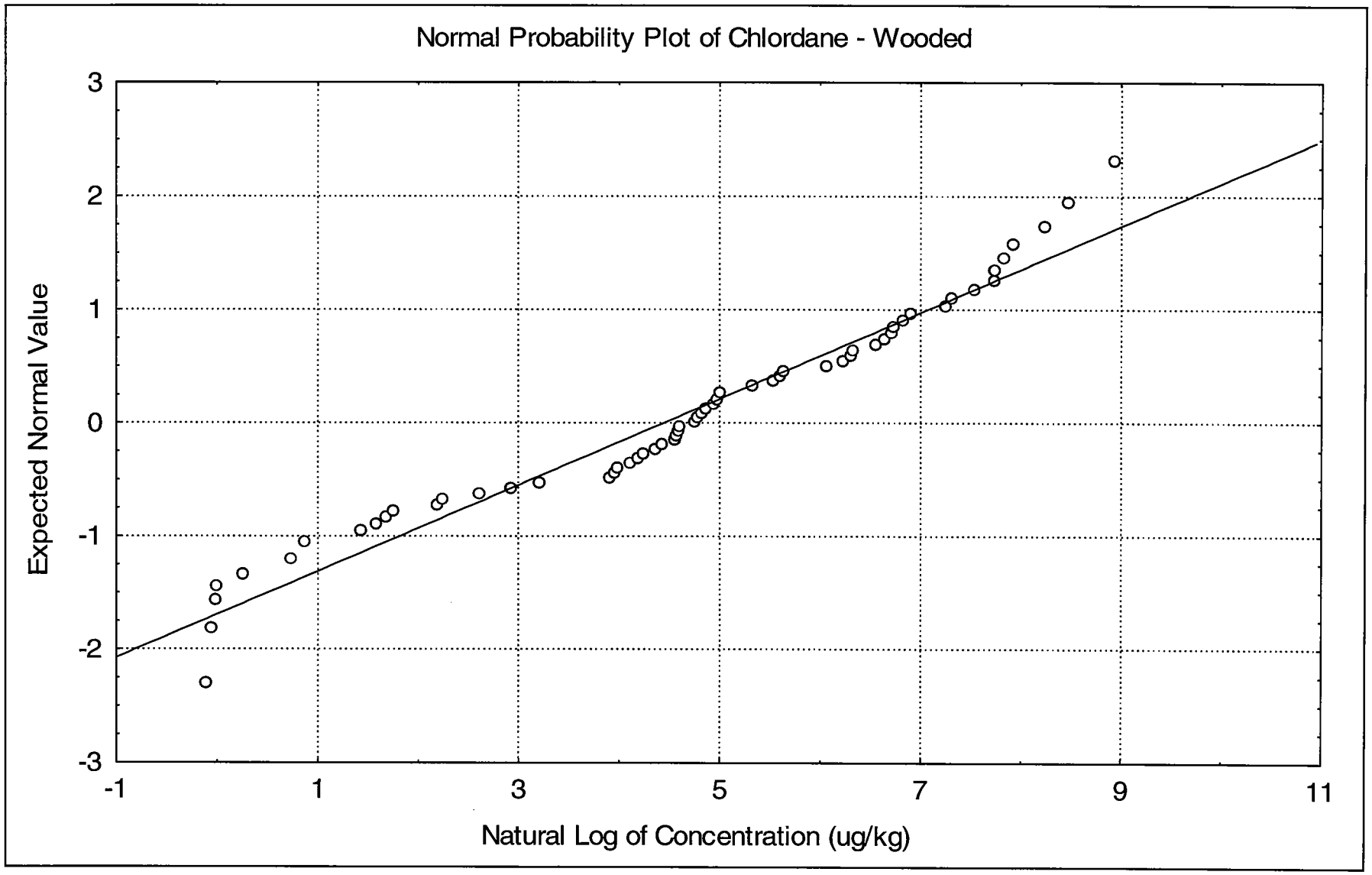

Normal Probability Plot of Arsenic - All
Expected Normal Value
4
3
2
1
0
-1
-2
-3
-4
-2
0
2
4
6
8
10
Natural Log of Concentration (mg/kg)

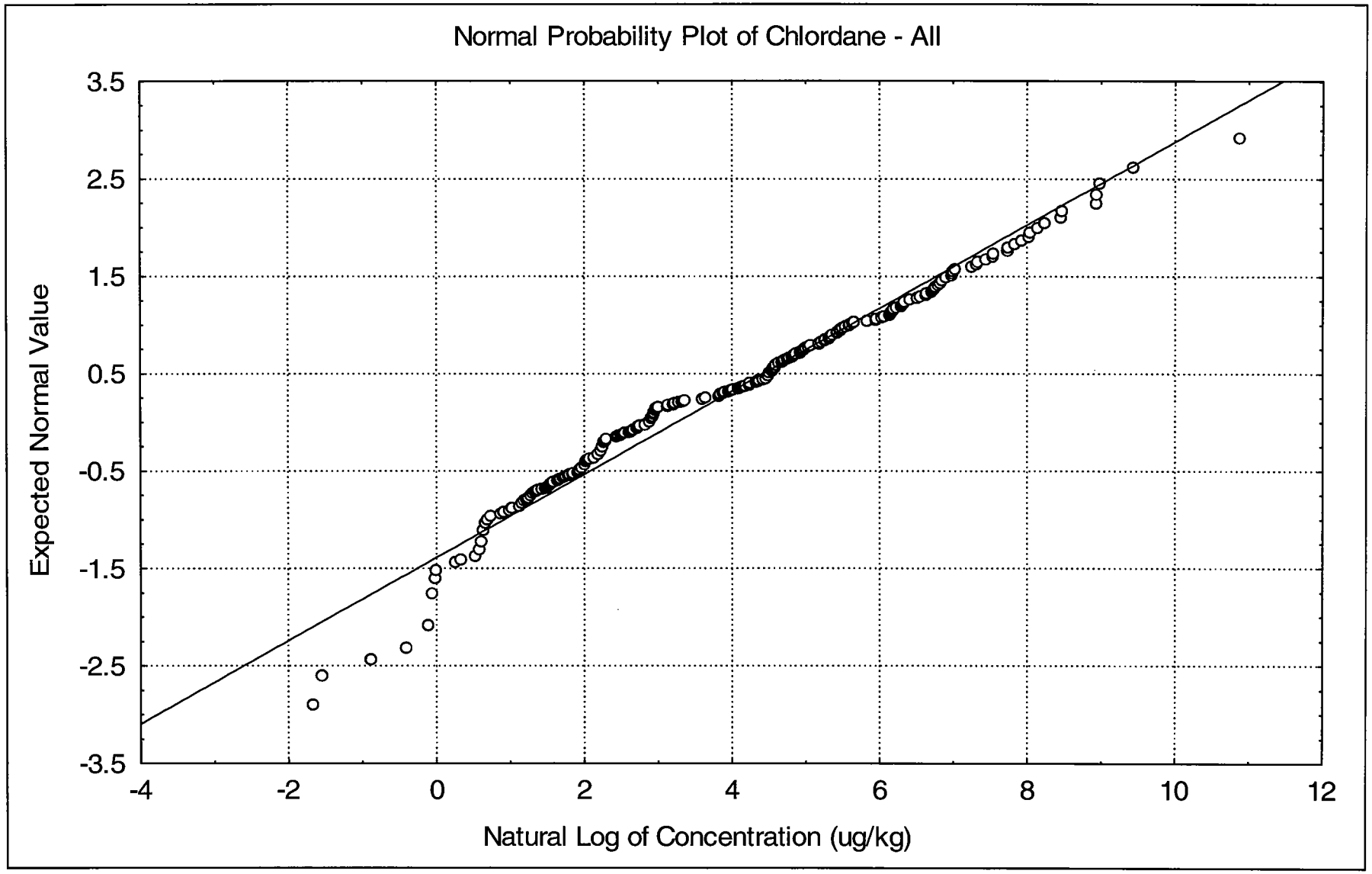

Normal Probability Plot of Chlordane - Fairways
Expected Normal Value
3
2
1
0
-1
-2
-3
0
1
2
3
4
5
6
7
8
Natural Log of Concentration (ug/kg)

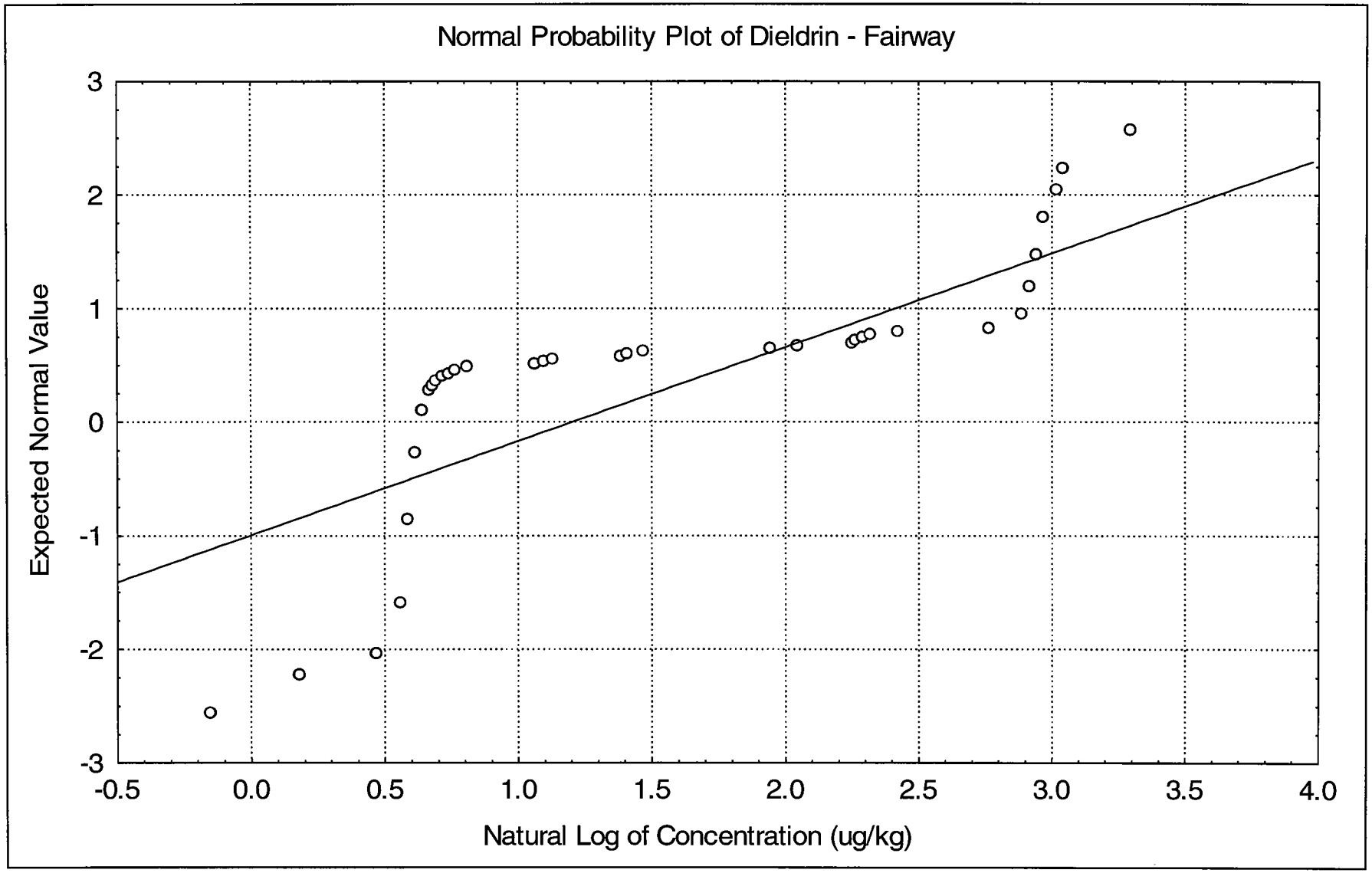

Normal Probability Plot of Chlordane - Green
Expected Normal Value
3
2
1
0
-1
-2
-3
0
1
2
3
4
5
6
7
8
Natural Log of Concentration (ug/kg)

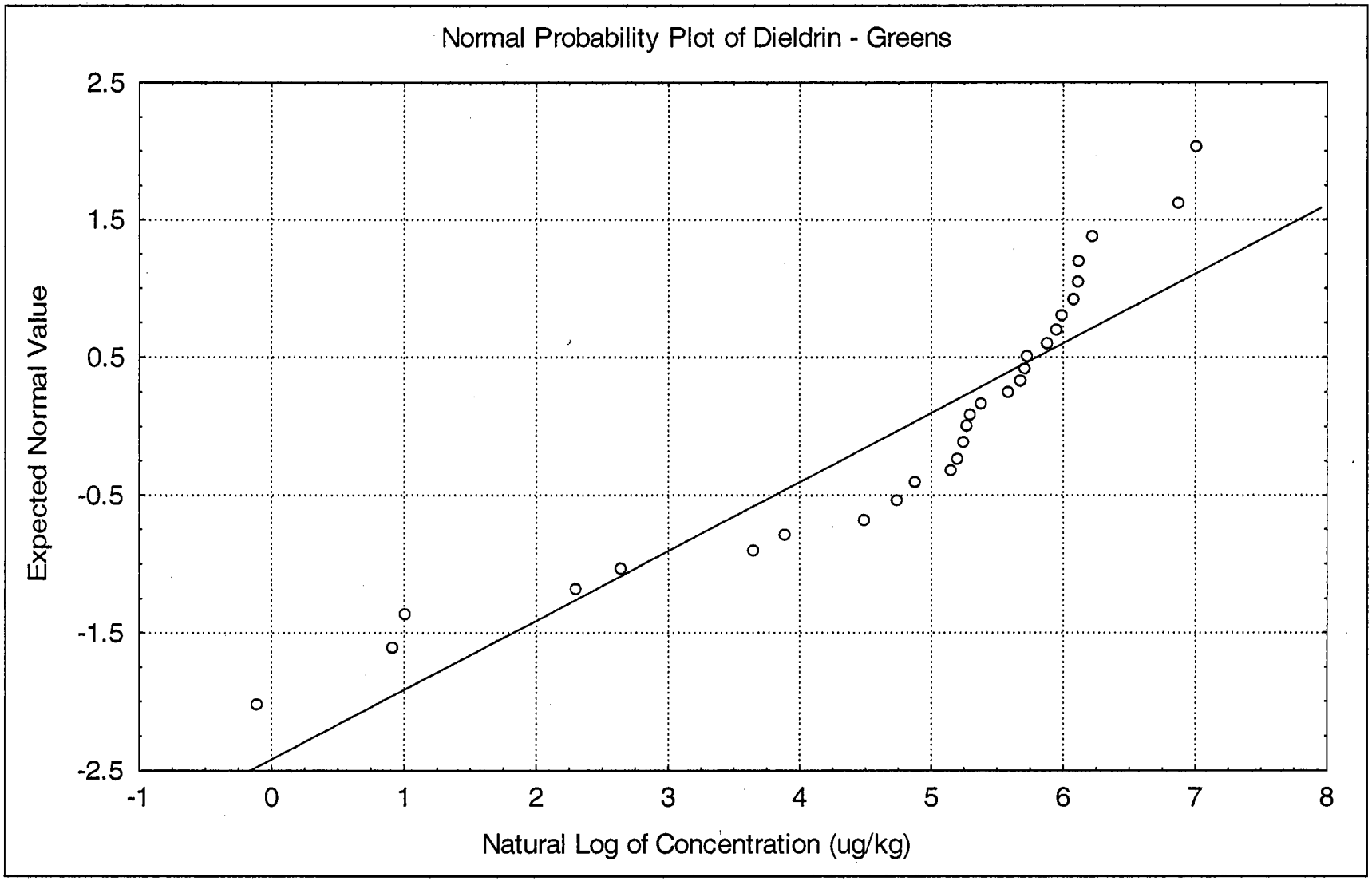

Normal Probability Plot of Chlordane - Rough
Expected Normal Value
Natural Log of Concentration (ug/kg)
3
2
1
0
-1
-2
-3
-2
-1
0
1
2
3
4

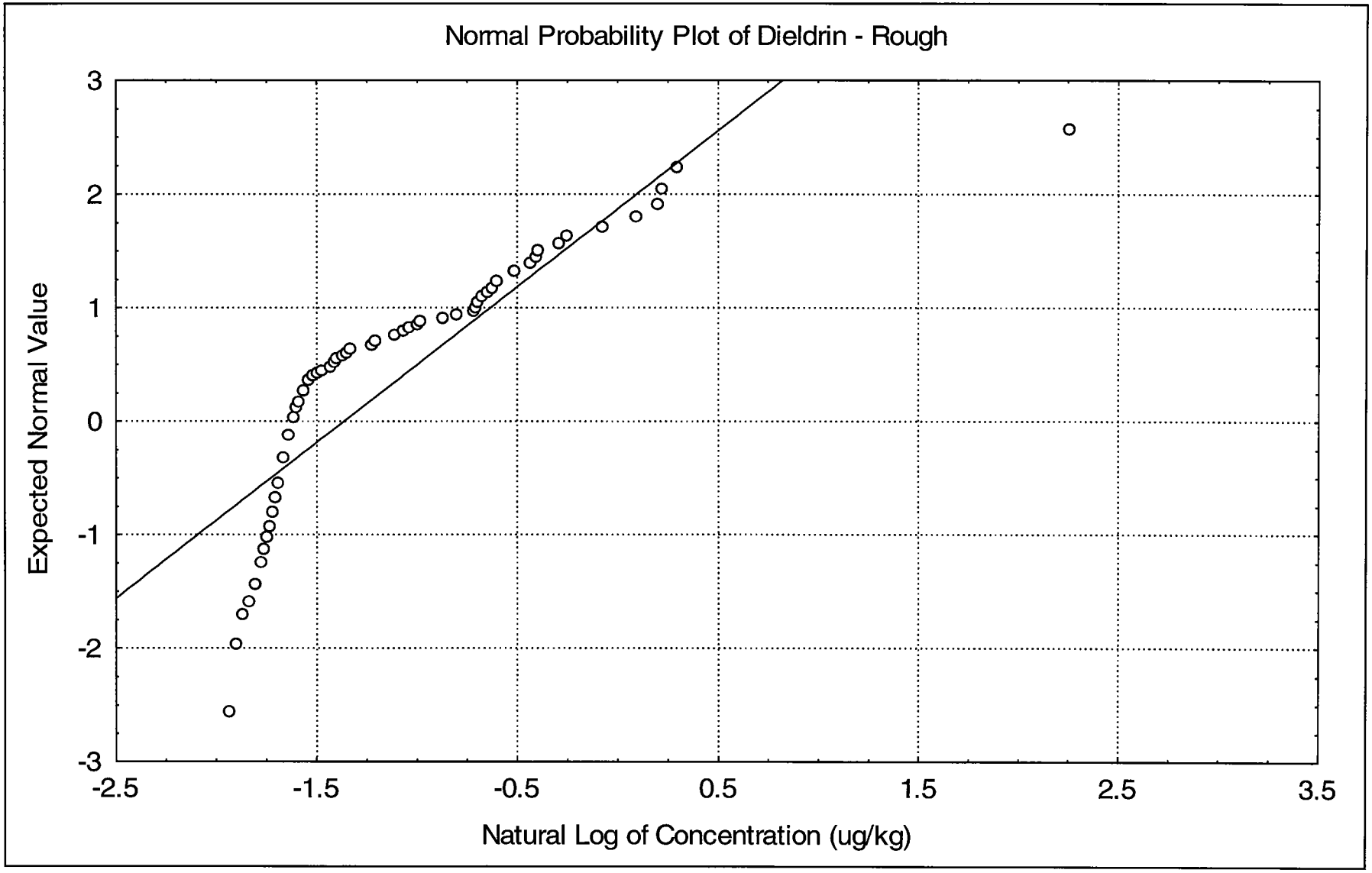

Normal Probability Plot of Chlordane - Tee
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
1
3
5
7
9
11
13
Natural Log of Concentration (ug/kg)

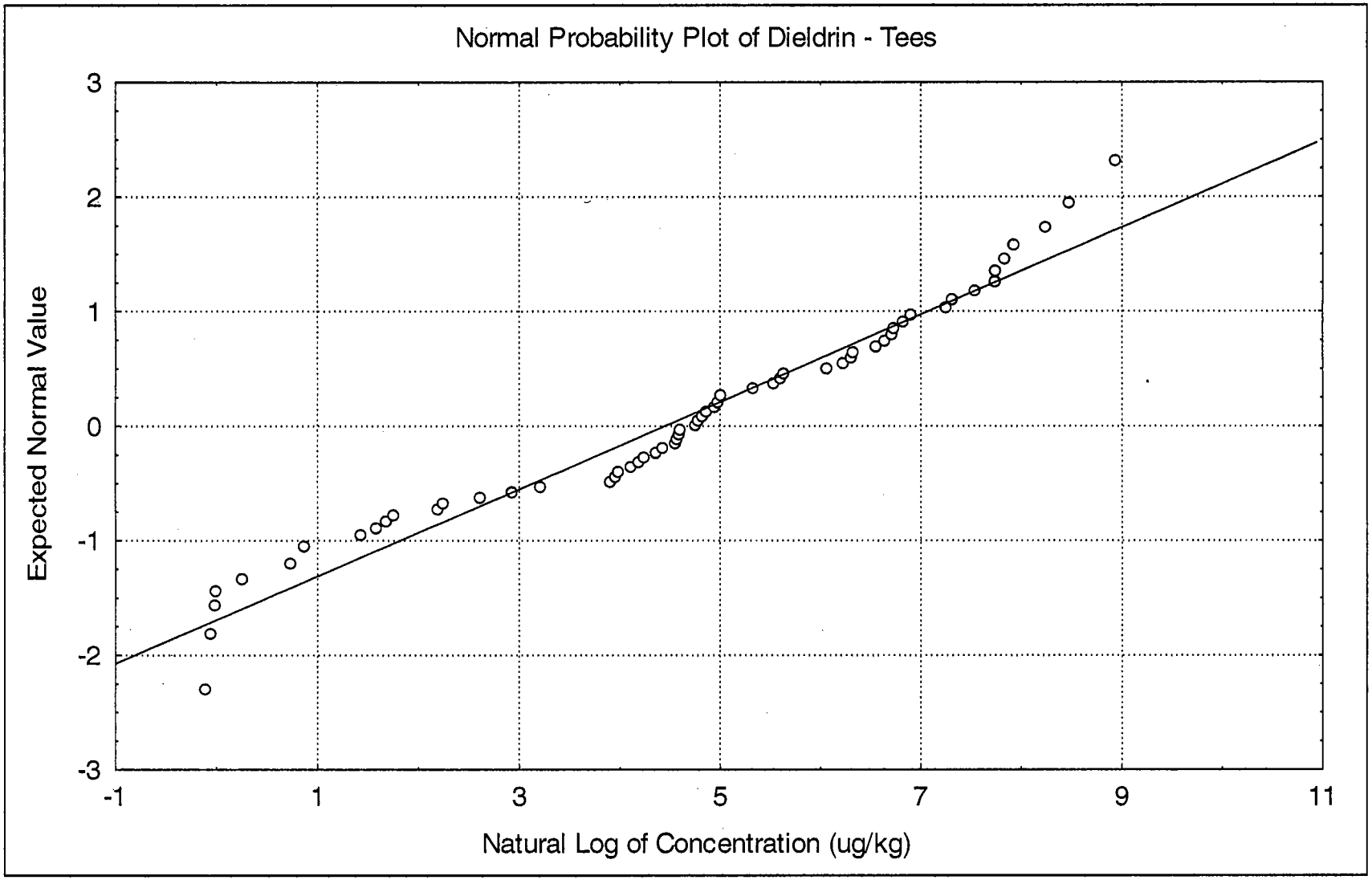

Normal Probability Plot of Chlordane - Wooded
Expected Normal Value
3
2
1
0
-1
-2
-3
-1
1
3
5
7
9
11
Natural Log of Concentration (ug/kg)

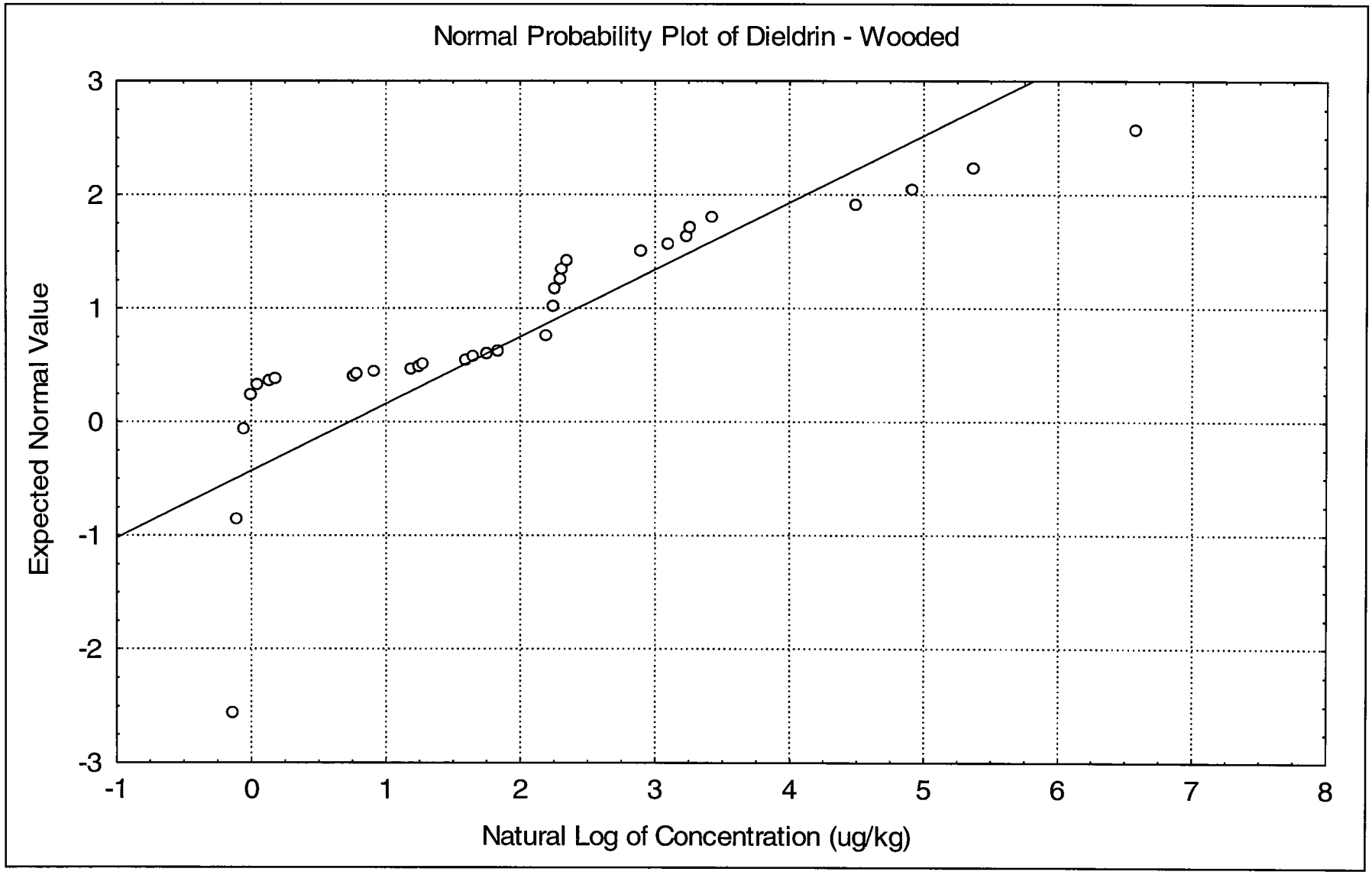

Normal Probability Plot of Chlordane - All
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
-3.5
-4
-2
0
2
4
6
8
10
12
Natural Log of Concentration (ug/kg)

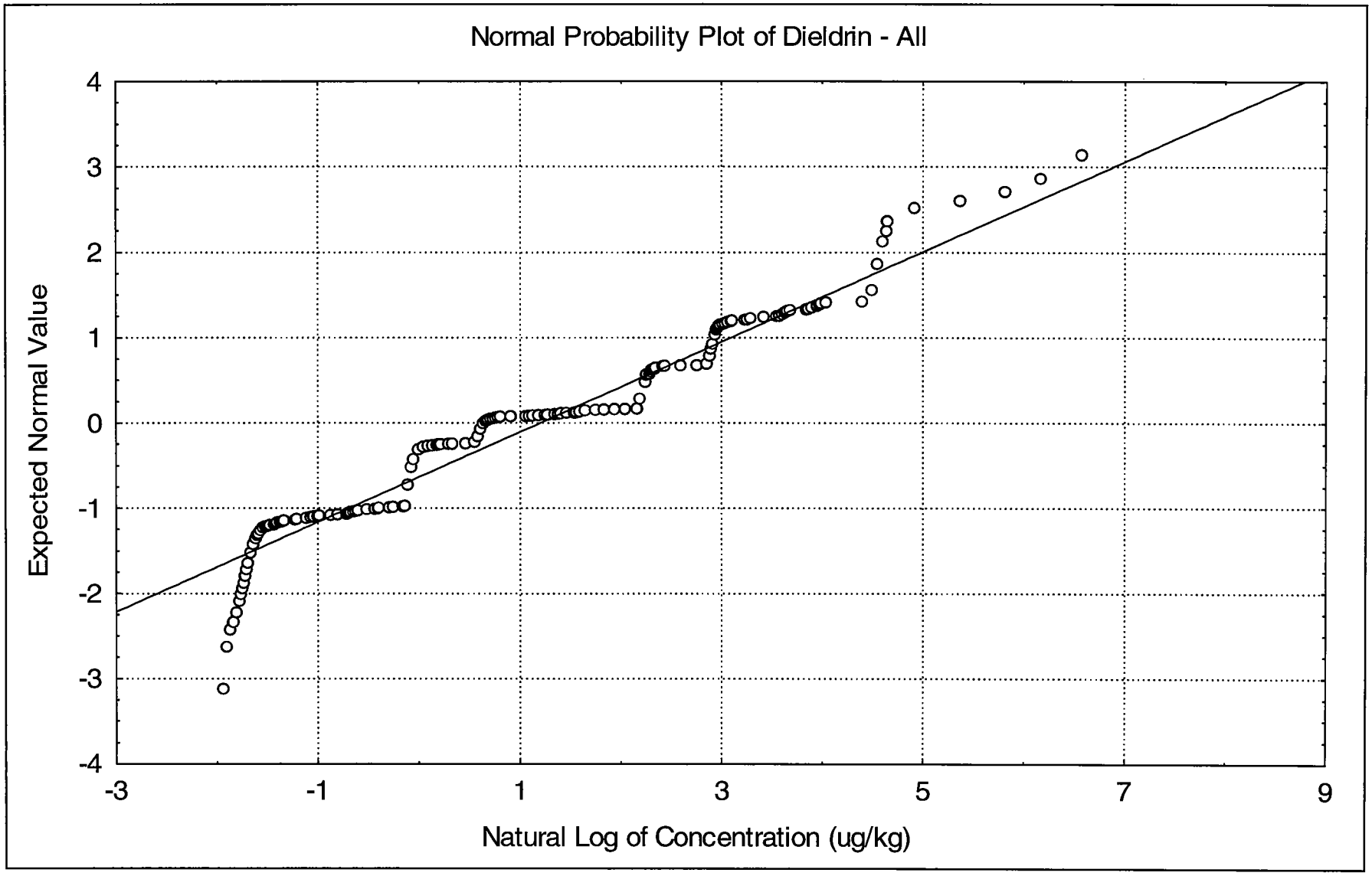

Normal Probability Plot of Dieldrin - Fairway
Expected Normal Value
3
2
1
0
-1
-2
-3
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
Natural Log of Concentration (ug/kg)

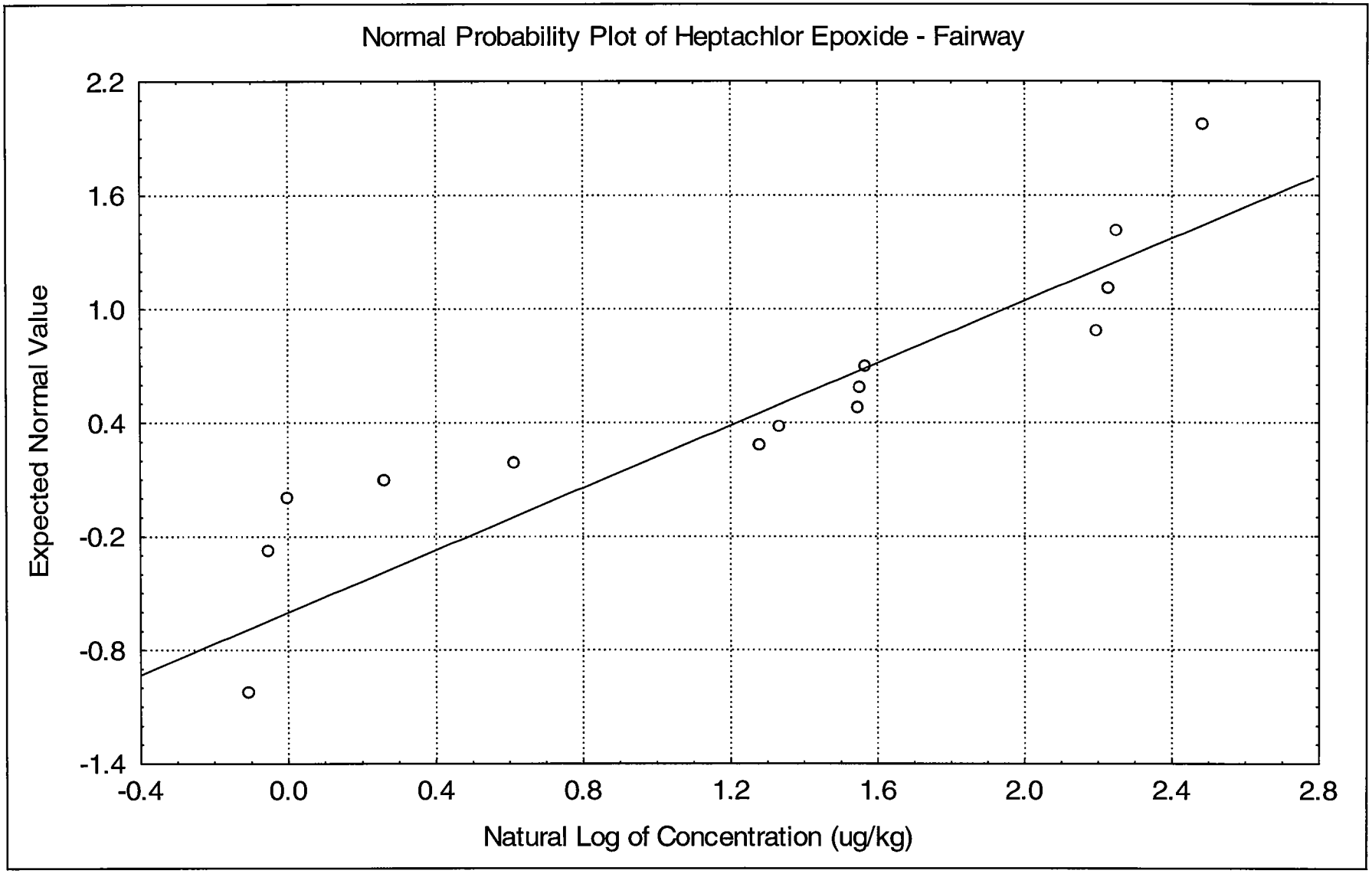

Normal Probability Plot of Dieldrin - Greens
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1
0
1
2
3
4
5
6
7
8
Natural Log of Concentration (ug/kg)

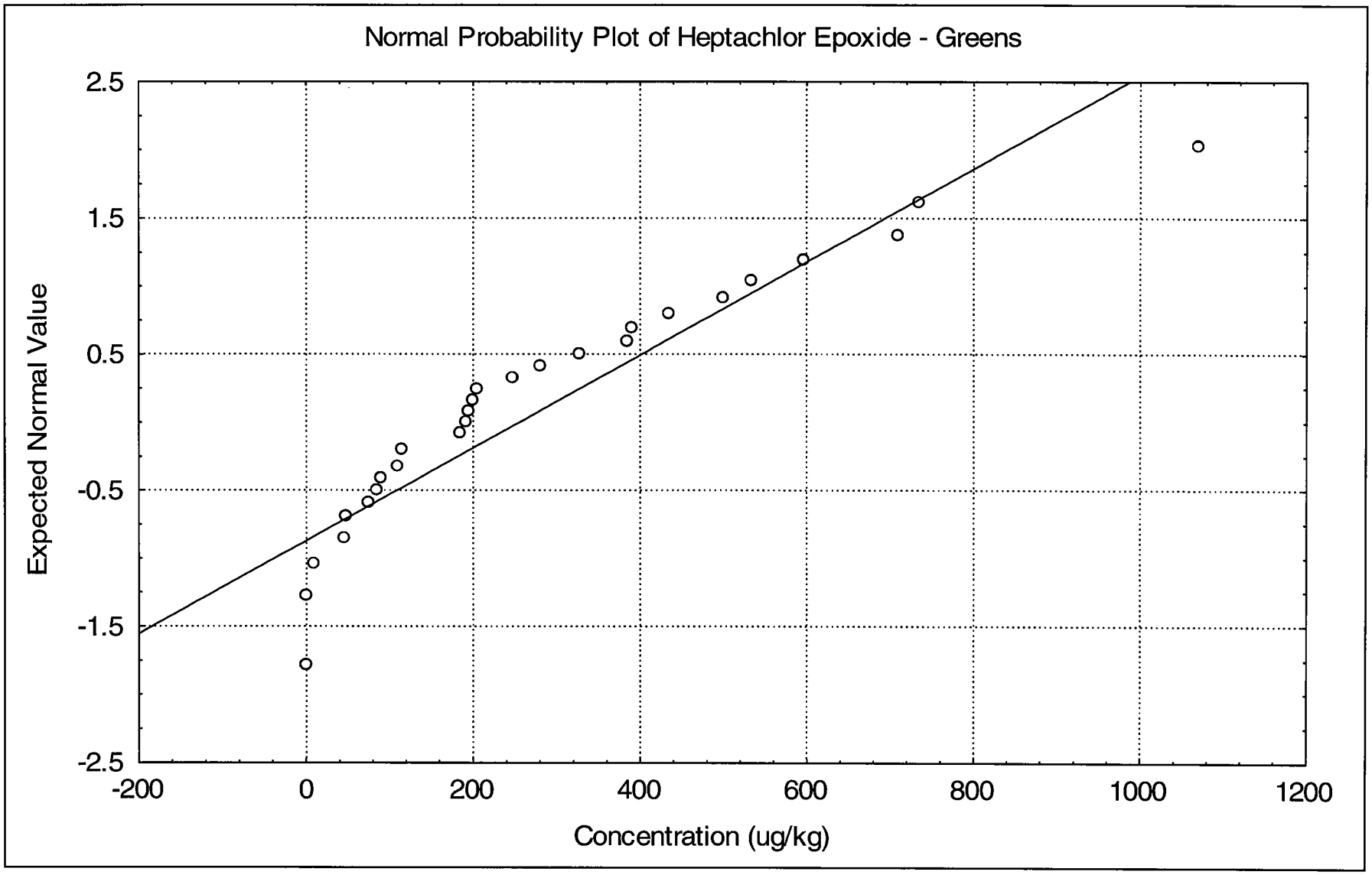

Normal Probability Plot of Dieldrin - Rough
Expected Normal Value
3
2
1
0
-1
-2
-3
-2.5
-1.5
-0.5
0.5
1.5
2.5
3.5
Natural Log of Concentration (ug/kg)

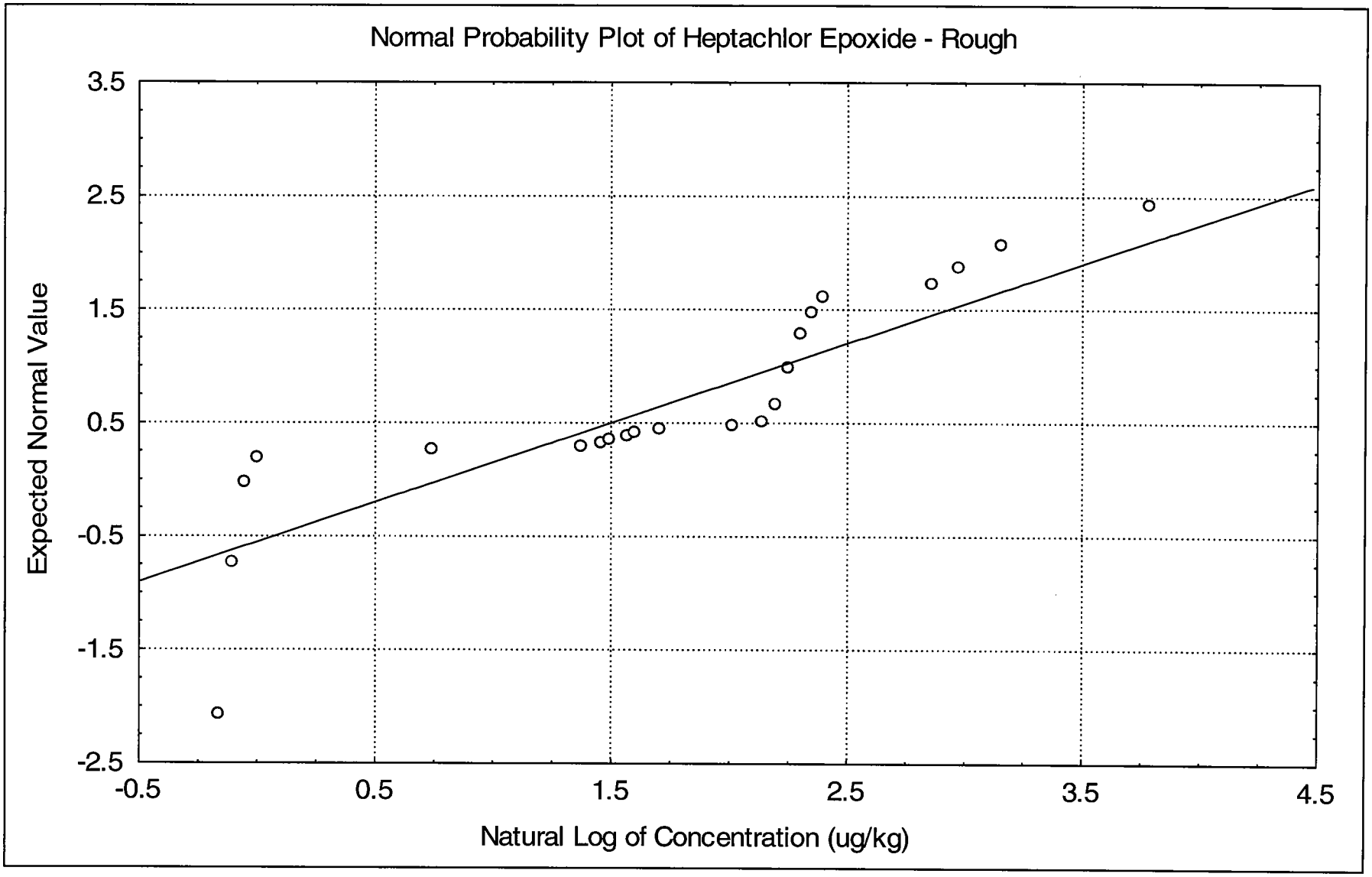

Normal Probability Plot of Dieldrin - Tees
Expected Normal Value
3
2
1
0
-1
-2
-3
-1
1
3
5
7
9
11
Natural Log of Concentration (ug/kg)

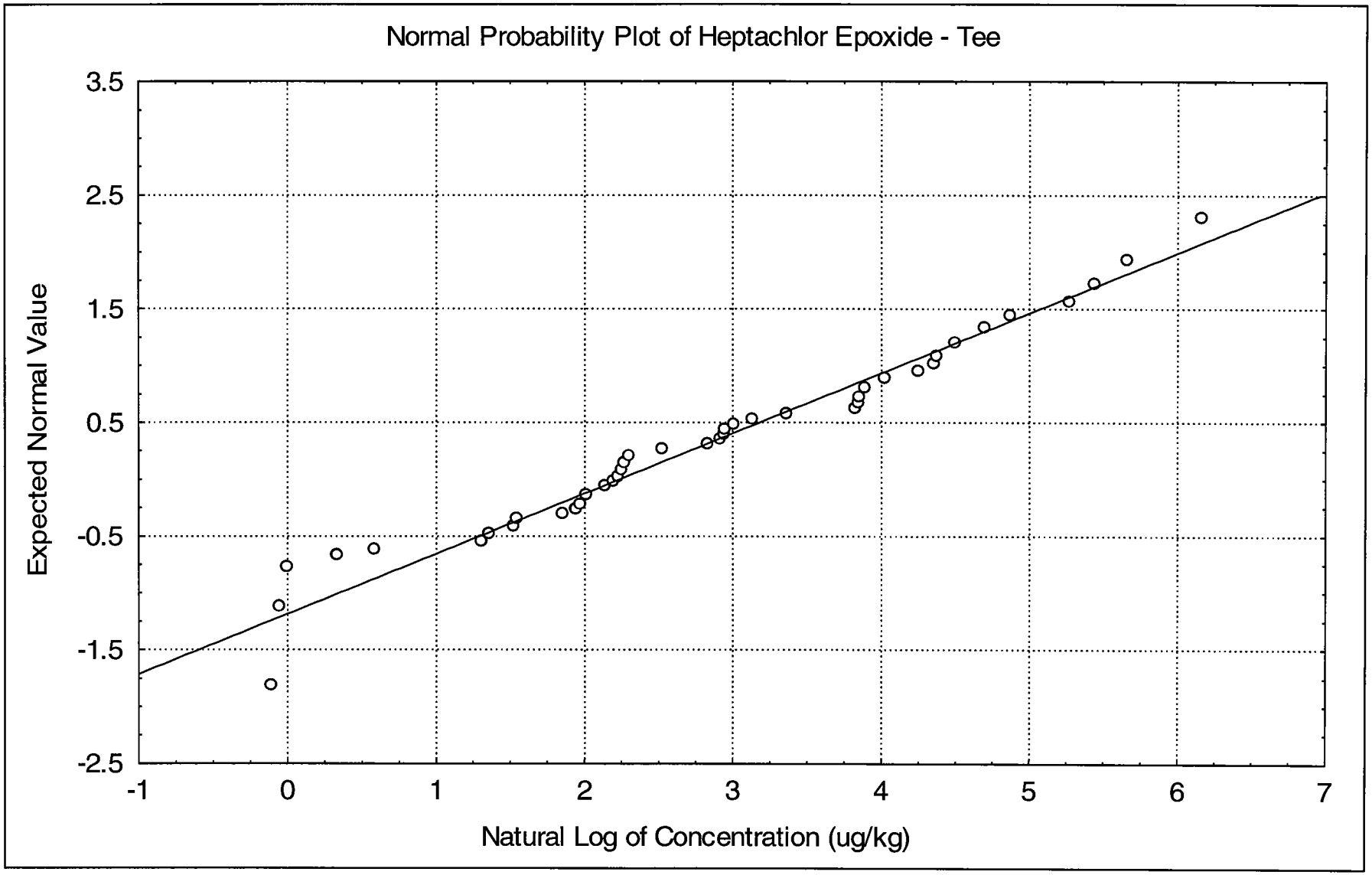

Normal Probability Plot of Dieldrin - Wooded
Expected Normal Value
Natural Log of Concentration (ug/kg)
3
2
1
0
-1
-2
-3
-1
0
1
2
3
4
5
6
7
8

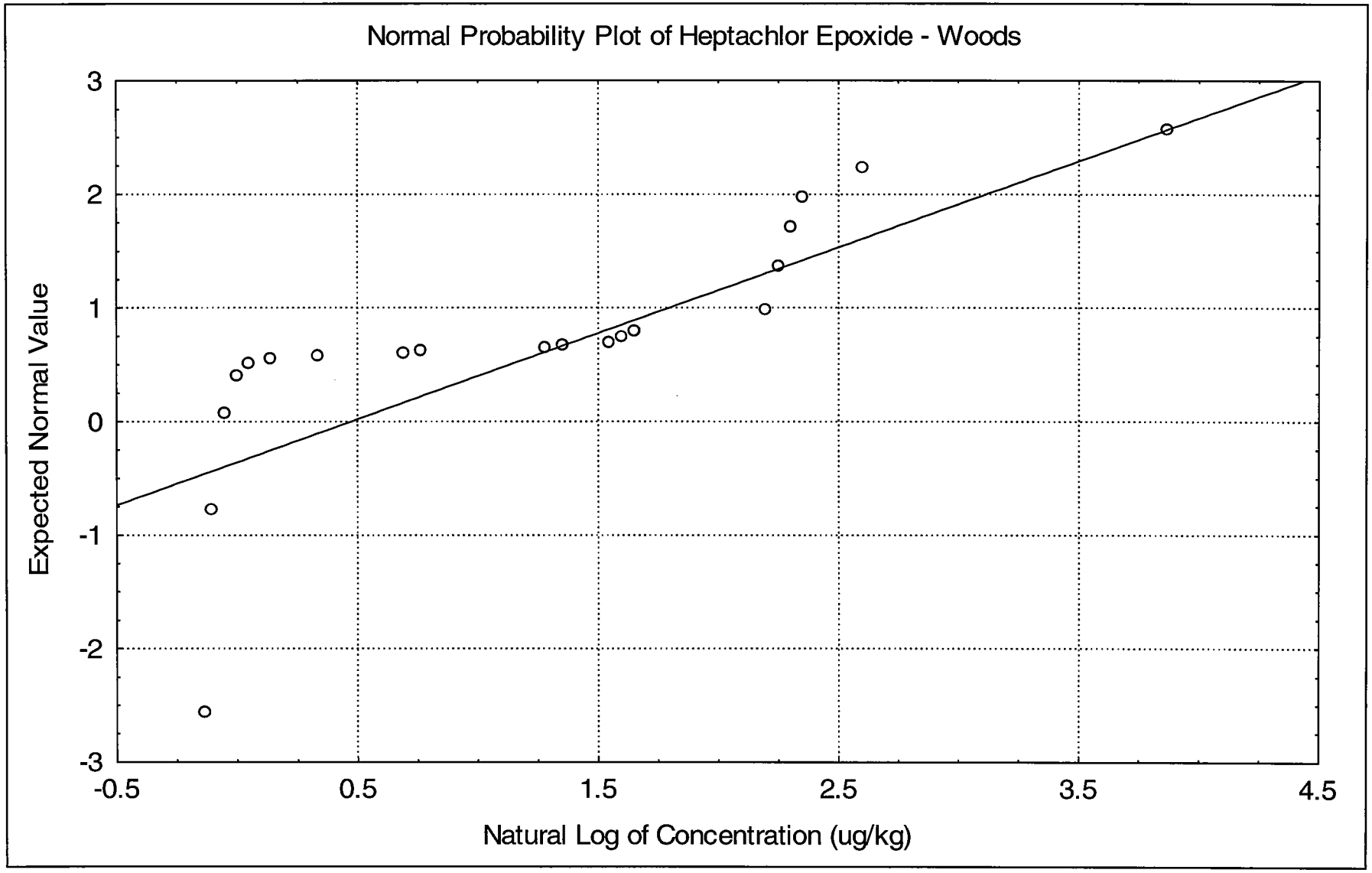

Normal Probability Plot of Dieldrin - All
Expected Normal Value
4
3
2
1
0
-1
-2
-3
-4
-3
-1
1
3
5
7
9
Natural Log of Concentration (ug/kg)

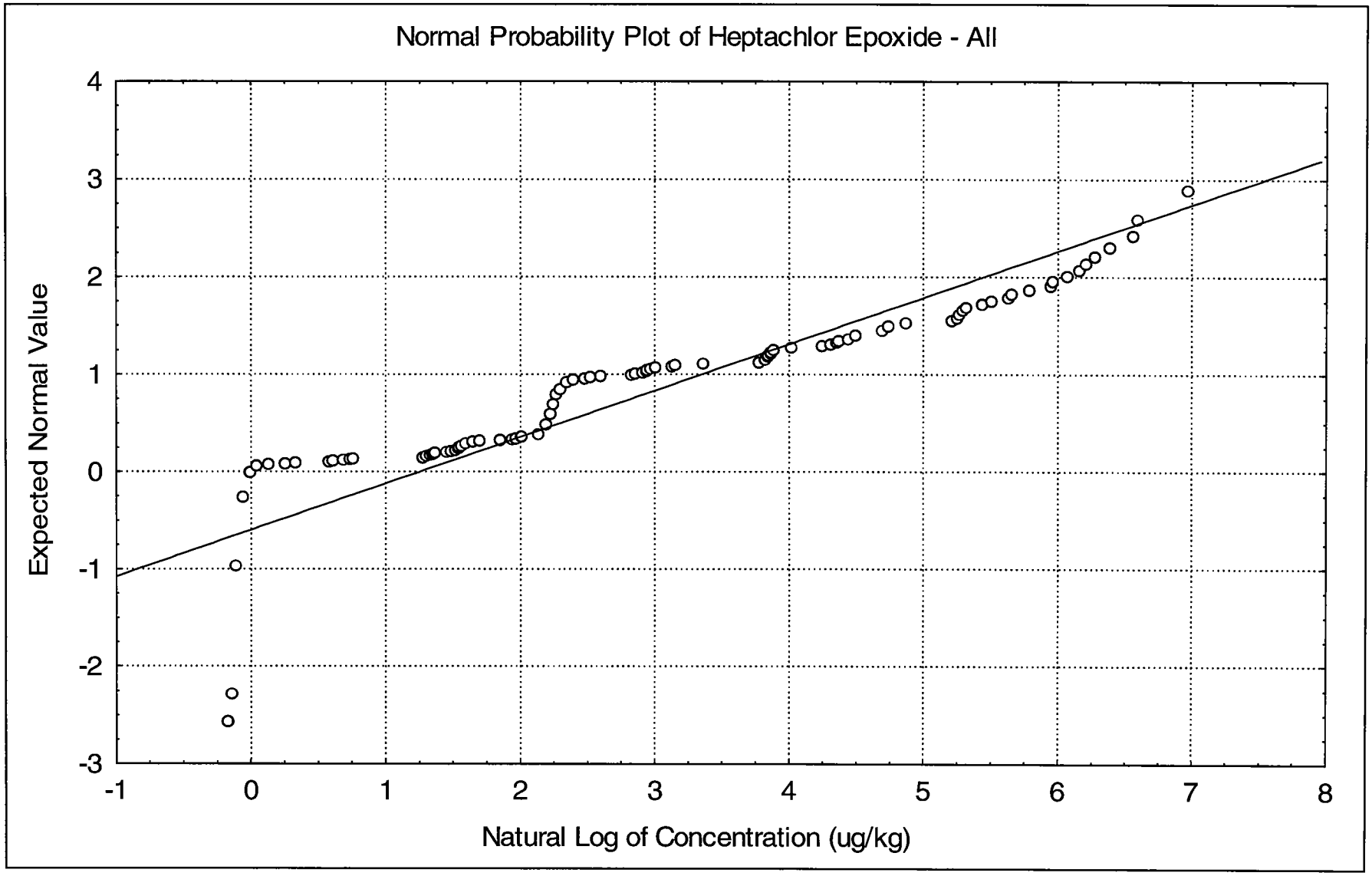

Normal Probability Plot of Heptachlor Epoxide - Fairway
Expected Normal Value
2.2
1.6
1.0
0.4
-0.2
-0.8
-1.4
-0.4
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
Natural Log of Concentration (ug/kg)


Normal Probability Plot of Heptachlor Epoxide - Greens
Expected Normal Value
2.5
1.5
0.5
-0.5
-1.5
-2.5
-200
0
200
400
600
800
1000
1200
Concentration (ug/kg)


Normal Probability Plot of Heptachlor Epoxide - Rough
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
-0.5
0.5
1.5
2.5
3.5
4.5
Natural Log of Concentration (ug/kg)


Normal Probability Plot of Heptachlor Epoxide - Tee
Expected Normal Value
3.5
2.5
1.5
0.5
-0.5
-1.5
-2.5
-1
0
1
2
3
4
5
6
7
Natural Log of Concentration (ug/kg)


Normal Probability Plot of Heptachlor Epoxide - Woods
Expected Normal Value
3
2
1
0
-1
-2
-3
-0.5
0.5
1.5
2.5
3.5
4.5
Natural Log of Concentration (ug/kg)


Normal Probability Plot of Heptachlor Epoxide - All
Expected Normal Value
Natural Log of Concentration (ug/kg)
4
3
2
1
0
-1
-2
-3
-1
0
1
2
3
4
5
6
7
8

APPENDIX D

ECOLOGICAL RISK ASSESSMENT

D.1 FOOD-CHAIN MODELING

D.2 ALTERNATE BENCHMARKS/TOXICITY DATA

D.1 FOOD-CHAIN MODELING

APPENDIX D.1
FOOD CHAIN MODELING

Food chain modeling was conducted as part of COPC refinement. The objective of the food chain modeling was to investigate potential risks to representative receptors from screening-level COPCs that are known to bioaccumulate or biomagnify (U.S. EPA, 2000a). Toxicity reference values (TRVs), which are contaminant doses associated with adverse effects on growth, survival, and reproduction, were obtained for comparison to doses that the receptors may receive in the environment. TRVs were preferentially selected that represent a threshold for sublethal effects, such as impairment of reproduction or growth. Since toxicity data for the specific receptors chosen herein were not available, toxicity data from laboratory species were extrapolated to receptor species. The TRVs were obtained from wildlife toxicity data that were summarized by Sample et al. (1996). TRVs used in this ecological risk assessment and their sources are presented in Table D-1.

Food chain modeling was limited to COPCs that are known to bioaccumulate or biomagnify (U.S. EPA, 2000a). U.S. EPA Region IV considers chemicals in this category to consist of those so designated in U.S. EPA's (2000b) *Appendix to Bioaccumulation Testing and Interpretation for the Purpose of Sediment Quality Assessment, Status and Needs, Chemical-Specific Summary Tables*, with the exception of PAHs. U.S. EPA Region IV does not consider PAHs to bioaccumulate unless they are present in percent levels in the soil or sediment. COPCs at PSC 51 that are known to bioaccumulate or biomagnify consist of pesticides, PCBs, and metals. The remaining COPCs are not known to bioaccumulate or biomagnify and were not included in the food chain model.

REPRESENTATIVE RECEPTORS

Representative ecological receptors used in the food chain model for PSC 44 consisted of the least Shrew (*Cryptotis parva*), Northern mockingbird (*Mimus polyglottus*), red fox (*Vulpes vulpes*) and red-tailed hawk (*Buteo jamaicensis*), all of which are found at NAS Cecil Field and could forage at PSC 51. Information regarding these representative receptors is presented below and in Table D-2.

No herbivores were chosen as representative receptors because the shrew and mockingbird are considered to be more conservative models; the chemical concentrations in the earthworms are higher, in most cases, than those same chemicals in plants. Therefore, risks to herbivores will be less than risks to the shrew and mockingbird.

Least shrew (Cryptotis parva)

The least shrew inhabits pine flatwoods and other habitats in Florida (Abrahamson and Hartnett, 1990; Brown, 1997), and is expected to be present at PSC 51. It weighs about 3.5 to 6.5 g (Choate et al, 1994). This species uses runways and burrows of other animals, but also makes its own tunnels in loose, soft soils. Least shrews consume large numbers of insects and other invertebrates, and are food items for predators such as owls, hawks, weasels, and skunks (Brown, 1997). Using Nagy's (1987) equation for mammals, the expected food consumption of the least shrew is 0.957 g dry mass/day. Home ranges for the least shrew usually vary from approximately 0.4-1.4 ha (1 to 3.5 acres) (Choate and Fleharty, 1973) but home ranges in some studies have been reported to be as small as 0.5 acre (Choate et al, 1994).

Northern Mockingbrid (*Mimus polyglottus*)

The northern mockingbird is a familiar songbird known to be present at PSC 51. Mockingbirds in Florida are non-migratory and highly territorial throughout the year. Body mass averages 47.6 g (Nagy et al., 1999). The diet of adult mockingbirds is about 50 percent invertebrates (especially beetles, ants, bees, grasshoppers), and 50 percent fruit. The proportion of animal prey in the diet increases to approximately 85 percent during the breeding season and decreases in winter to approximately 13 percent (Derrickson and Breitwisch, 1992). Using Nagy's (1999) equation for insectivorous birds, the expected food consumption for a mockingbird is 6.7 g dry mass/day. Average territory sizes of mockingbirds in south-central Florida varied from 0.31 ha (0.8 acres) in winter to 1.27 ha (3.1 acres) during the May and June breeding season (Derrickson and Breitwisch, 1992).

Red fox (*Vulpes vulpes*)

The red fox was chosen as a representative mammalian carnivore. The red fox is common in Florida and the eastern United States. Its principal food items are small mammals (especially mice and voles) but it also preys on insects and birds. The red fox utilizes many habitat types, but prefers deciduous woodlands and edge areas. Home ranges vary from 50 to over 3,000 acres, but most values in the literature are within a range of 140 to 2100 acres (U.S. EPA, 1993).

Red-tailed hawk (*Buteo jamaicensis*)

The red-tailed hawk was selected as a representative avian carnivore. This hawk is common in Florida and the entire eastern United States, and it forages in a variety of habitats. The red-tailed hawk feeds primarily on small mammals but will also consume small birds, lizards, snakes, and insects (U.S. EPA, 1993). Breeding populations in Florida are non-migratory. The home range size is highly variable, depending on the available habitat. Mean home ranges varied from 150 to over 4,300 acres in several

studies summarized by U.S. EPA (1993). The home range shown in Table D-2 (940 to 2,440 acres) represents the data from habitats most similar to those at NAS Cecil Field (U.S. EPA, 1993).

Exposure Estimate and Risk Calculation

The following equation presents the food chain model that was used for the shrew, mockingbird, fox (for inorganics), and hawk (for inorganics) that were selected for modeling:

$$CDI = \frac{[(Cs * If(Is + (FA * BAF))]}{BW}$$

where:

CDI	=	Chronic daily intake (mg/kg-day)
Cs	=	Contaminant concentration in surface soil (mg/kg)
If	=	Ingestion rate of food (kg/day)
Is	=	Rate of incidental surface soil (kg/day)
FA	=	Portion of diet consisting of invertebrates or mammals
BAF	=	Biotransfer factor for soil to invertebrates
BW	=	Body weight (kg)

The following equation presents the food chain model that was used for organics for the fox and hawk:

$$CDI = \frac{((Cs * Is) + (Cs * BAFinv * If))BAFmam}{BW}$$

where:

CDI	=	Chronic daily intake (mg/kg-day)
Cs	=	Contaminant concentration in surface soil (mg/kg)
If	=	Ingestion rate of food (kg/day)
Is	=	Rate of incidental surface soil (kg/day)
FA	=	Portion of diet consisting of invertebrates or mammals
BAF_{inv}	=	Biotransfer factor for soil to invertebrates
BAF_{mam}	=	Biotransfer factor for food to mammals
BW	=	Body weight (kg)

The bioaccumulation factors are presented in Table D-3. Exposure parameters (e.g., body weight, ingestion rate) for the representative receptors are shown in Table D-2.

The risk characterization is the final phase of a risk assessment that compares the exposure to the ecological effects. It is at this phase that the likelihood of adverse effects occurring as a result of exposure to a stressor. A Hazard Quotient (HQ) approach was used to characterize the risk to terrestrial receptors. This approach characterizes the potential effects by comparing exposure concentration with the effects data. The HQ for the terrestrial wildlife model is calculated as follows:

$$HQ = \frac{CDI}{TRV}$$

Where:

HQ	=	Hazard Quotient, (unitless)
CDI	=	Chronic daily intake dose, (mg/kg-day)
TRV	=	Toxicity Reference Value, (mg/kg-day)

An HQ of less than 1.0 is considered to indicate that potential risks to the ecological receptors are low. An HQ of greater than 1.0 at this stage in the risk assessment process is considered to indicate that potential risks to the ecological receptors may occur. The HQ is not an expression of probability, and the meaning of values greater than 1.0 must be interpreted in light of attendant uncertainties in risk management.

The calculation spreadsheets for the different receptors are presented as Tables D-5 through D-44.

TABLE D-1

TOXICITY REFERENCE VALUES (TRVs)
POTENTIAL SOURCE OF CONTAMINATINO 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	Concentration (mg/kg-day)	Endpoint	Effect	Chronic/ Subchronic	Species	Primary Reference	Source of Reference
Pesticides/PCBs							
Aldrin	0.2	NOAEL	reproductive	chronic	rat	Treon and Cleveland, 1995	Sample et.al., 1996
Aldrin	1	LOAEL	reproductive	chronic	rat	Treon and Cleveland, 1995	Sample et.al., 1996
Chlordane	2.14	NOAEL	mortality	chronic	red-winged blackbird	Stickel et al., 1983	Sample et.al., 1996
Chlordane	10.7	LOAEL	mortality	chronic	red-winged blackbird	Stickel et al., 1983	Sample et.al., 1996
Chlordane	4.58	NOAEL	reproduction	chronic	mouse	WHO, 1984	Sample et.al., 1996
Chlordane	9.16	LOAEL	reproduction	chronic	mouse	WHO, 1984	Sample et.al., 1996
4,4'-DDT	0.8	NOAEL	reproductive	chronic	rat	Fitzhugh, 1948	Sample et.al., 1996
4,4'-DDT	4	LOAEL	reproductive	chronic	rat	Fitzhugh, 1948	Sample et.al., 1996
4-4'-DDT	0.028	LOAEL	reproduction	chronic	brown pelican	Anderson et al., 1975	Sample et.al., 1996
Dieldrin	0.077	NOAEL	reproduction	chronic	barn owl	Mendenhall et al., 1983	Sample et.al., 1996
Dieldrin	0.2	LOAEL	reproduction	chronic	rat	Treon and Cleveland, 1995	Sample et.al., 1996
Heptachlor	1	LOAEL	reproduction	chronic	mink	Crum et al., 1993	Sample et.al., 1996
Toxaphene	8	NOAEL	reproduction	chronic	rat	Kennedy et al., 1973	Sample et.al., 1996
Aroclor-1254	1.8	LOAEL	reproductive	chronic	pheasant	Dahlgren et al., 1972	Sample et.al., 1996
Aroclor-1254	0.68	LOAEL	reproduction	chronic	mouse	McCoy et al., 1995	Sample et.al., 1996
Inorganics							
Arsenic	1.261	LOAEL	reproductive	chronic	mouse	Schroeder and Mitchner, 1971	Sample et.al., 1996
Arsenic	2.46	NOAEL	mortality	chronic	brown-headed cowbird	USFWS, 1969	Sample et.al., 1996
Arsenic	7.38	LOAEL	mortality	chronic	brown-headed cowbird	USFWS, 1969	Sample et.al., 1996

TABLE D-2

EXPOSURE PARAMETERS FOR REPRESENTATIVE ECOLOGICAL RECEPTORS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Receptor	Body Weight (grams)	Food Ingestion (grams/day)	Assumed Diet for Exposure Assessment	Home Range (acres)
Red Fox (*Vulpes vulpes*)	4530[1]	157[2]	100% small mammals 2.8% soil[1]	140 to 2100[1]
Red-tailed Hawk (*Buteo jamaicensis*)	1126[1]	38[3]	100% small mammals Soil: None	940 to 2440[1]
Least shrew (*Cryptotis parva*)	5.5[4]	0.957[5]	100% soil invertebrates 5% soil[6]	0.5 to 3.5[7]
Northern mockingbird (*Mimus polyglottus*)	47.6[8]	6.7[9]	100% invertebrates 5% soil[10]	Not available[11]

1 U.S. EPA (1993).

2 Wet weight food ingestion rate for the fox is 489.2 g/day, based on 0.108 g food per gram of body weight per day (g/g bw/day) (U.S. EPA, 1993). Value in table is dry weight rate, assuming 68% moisture content in mice, voles, and rabbits (U.S. EPA, 1993).

3 Wet weight food ingestion rate for the hawk is 118.2 g/day, based on 0.105 g/ g bw/day (U.S. EPA, 1993). Value in table is dry weight rate, assuming 68% moisture content in mice, voles, and rabbits (U.S. EPA, 1993).

4 Nowak (1991), Cothran et al (1991).

5 Dry weight value calculated using mammal equation (Nagy, 1987).

6 Estimate based on data from U.S. EPA (2000c).

7 Choate and Fleharty (1973), Choate et al (1994).

8 Nagy et al (1999).

9 Dry weight value calculated using insectivorous bird equation Nagy (1999).

10 Soil ingestion rate not available for mockingbird. Value here is estimated based on data available for other birds (Beyer et al, 1994) and on mockingbird foraging habits.

11 Home range data not available, but average territory sizes for this bird range from 0.8 to 3.1 acres (Derrickson and Breitwisch, 1992).

TABLE D-3

BAFS FOR SOIL INVERTEBRATES AND MAMMALS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Chemical	Soil to Invertebrate BAFs		Food to Mammal BAFs	
	BAF	Source	BAF	Source
Herbicides				
PENTACHLOROPHENOL	1.00E+00		3.33E-03	Travis and Arms, 1988
Pesticides/ PCBs				
4,4'-DDD	7.54E+00	U.S. EPA, 1999	3.93E-02	Travis and Arms, 1988
4,4'-DDE	7.54E+00	U.S. EPA, 1999	1.53E-01	Travis and Arms, 1988
4,4'-DDT	7.54E+00	U.S. EPA, 1999	8.81E-02	Travis and Arms, 1988
Aldrin	3.31E+00	Gish, 1990	2.66E-01	Travis and Arms, 1988
Alpha-Chlordane	5.00E+00	Gish, 1990	2.32E-02	Travis and Arms, 1988
Aroclor-1254	1.13E+00	U.S. EPA, 1999	5.25E-02	Travis and Arms, 1988
Chlordane	5.00E+00	Gish, 1990	2.32E-02	Travis and Arms, 1988
Dieldrin	6.63E+00	Beyer, 1990	2.48E-02	Travis and Arms, 1988
Gamma-Chlordane	5.00E+00	Gish, 1990	2.32E-02	Travis and Arms, 1988
Heptachlor Epoxide	8.38E+00	U.S. EPA, 1999	2.48E-01	Travis and Arms, 1988
Toxaphene	1.00E+00		5.07E-03	Travis and Arms, 1988
Inorganics				
Arsenic	6.59E-01	U.S. EPA, 1999	1.49E-02 (1)	Sample et al., 1998
			2.50E-03 (2)	Sample et al., 1998
Chromium	5.99E-02	U.S. EPA, 1999	3.33E-01 (1)	Sample et al., 1998
			8.46E-02 (2)	Sample et al., 1998

Notes:
1 - 90% median value for soil to mammal BAF
2 - average value for soil to mammal BAF
BAF - Bioaccumulation Factor
The mammal uptake factors were divided by 0.32 to convert the uptake factors from wet weight to dry weight.
Default value of 1 is assigned to parameters without uptake factors.

TABLE D-5
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	4.18E-01	7.54E+00	5.52E-01	8.00E-01	4.00E+00	6.90E-01	1.38E-01
4,4'-DDT	1.40E-01	7.54E+00	1.85E-01	8.00E-01	4.00E+00	2.31E-01	4.62E-02
ALPHA-CHLORDANE	5.87E+00	5.00E+00	5.16E+00	4.58E+00	9.16E+00	1.13E+00	5.63E-01
CHLORDANE	5.34E+01	5.00E+00	4.69E+01	4.58E+00	9.16E+00	1.02E+01	5.12E+00
DIELDRIN	7.64E+00	6.63E+00	8.87E+00	2.00E-02	2.00E-01	4.44E+02	4.44E+01
GAMMA-CHLORDANE	6.03E+00	5.00E+00	5.30E+00	4.58E+00	9.16E+00	1.16E+00	5.78E-01
HEPTACHLOR EPOXIDE	2.31E-01	8.38E+00	3.39E-01	1.00E-01	1.00E+00	3.39E+00	3.39E-01
TOXAPHENE	1.03E+01	1.00E+00	1.88E+00	8.00E+00	8.00E+01	2.35E-01	2.35E-02
Inorganics							
ARSENIC	1.70E+01	6.59E-01	2.10E+00	1.26E-01	1.26E+00	1.66E+01	1.66E+00

TABLE D-6
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDD	3.25E-01	7.54E+00	4.29E-01	8.00E-01	4.00E+00	5.37E-01	1.07E-01
4,4'-DDE	8.58E-01	7.54E+00	1.13E+00	8.00E-01	4.00E+00	1.42E+00	2.83E-01
4,4'-DDT	9.44E-01	7.54E+00	1.25E+00	8.00E-01	4.00E+00	1.56E+00	3.12E-01
ALPHA-CHLORDANE	1.31E+01	5.00E+00	1.15E+01	4.58E+00	9.16E+00	2.51E+00	1.26E+00
CHLORDANE	1.02E+02	5.00E+00	8.96E+01	4.58E+00	9.16E+00	1.96E+01	9.78E+00
DIELDRIN	1.11E+00	6.63E+00	1.29E+00	2.00E-02	2.00E-01	6.45E+01	6.45E+00
GAMMA-CHLORDANE	1.41E+01	5.00E+00	1.24E+01	4.58E+00	9.16E+00	2.71E+00	1.35E+00
HEPTACHLOR EPOXIDE	1.07E+00	8.38E+00	1.57E+00	1.00E-01	1.00E+00	1.57E+01	1.57E+00
Inorganics							
ARSENIC	6.48E+01	6.59E-01	7.99E+00	1.26E-01	1.26E+00	6.34E+01	6.34E+00

TABLE D-7
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	3.30E-03	7.54E+00	4.36E-03	8.00E-01	4.00E+00	5.45E-03	1.09E-03
ALDRIN	5.70E-03	3.31E+00	3.33E-03	2.00E-01	1.00E+00	1.67E-02	3.33E-03
ALPHA-CHLORDANE	1.12E-01	5.00E+00	9.84E-02	4.58E+00	9.16E+00	2.15E-02	1.07E-02
CHLORDANE	8.74E-01	5.00E+00	7.68E-01	4.58E+00	9.16E+00	1.68E-01	8.38E-02
DIELDRIN	2.09E-01	6.63E+00	2.43E-01	2.00E-02	2.00E-01	1.21E+01	1.21E+00
Inorganics							
ARSENIC	1.58E+01	6.59E-01	1.95E+00	1.26E-01	1.26E+00	1.55E+01	1.55E+00

TABLE D-8
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides							
PENTACHLOROPHENOL	3.35E-02	1.00E+00	6.12E-03	2.40E-01	2.40E+00	2.55E-02	2.55E-03
Pesticides							
4,4'-DDD	8.45E-02	7.54E+00	1.12E-01	8.00E-01	4.00E+00	1.39E-01	2.79E-02
4,4'-DDE	3.77E-01	7.54E+00	4.98E-01	8.00E-01	4.00E+00	6.22E-01	1.24E-01
4,4'-DDT	3.11E-01	7.54E+00	4.11E-01	8.00E-01	4.00E+00	5.13E-01	1.03E-01
ALDRIN	5.20E-03	3.31E+00	3.04E-03	2.00E-01	1.00E+00	1.52E-02	3.04E-03
ALPHA-CHLORDANE	2.26E-01	5.00E+00	1.99E-01	4.58E+00	9.16E+00	4.34E-02	2.17E-02
AROCLOR-1254	1.07E+00	1.13E+00	2.19E-01	6.80E-02	6.80E-01	3.22E+00	3.22E-01
CHLORDANE	2.34E+00	5.00E+00	2.06E+00	4.58E+00	9.16E+00	4.49E-01	2.24E-01
DIELDRIN	6.21E-01	6.63E+00	7.21E-01	2.00E-02	2.00E-01	3.61E+01	3.61E+00
TOXAPHENE	2.10E+00	1.00E+00	3.84E-01	8.00E+00	8.00E+01	4.80E-02	4.80E-03
Inorganics							
ARSENIC	1.60E+01	6.59E-01	1.97E+00	1.26E-01	1.26E+00	1.57E+01	1.57E+00
CADMIUM	6.20E-01	5.75E+00	6.26E-01	1.00E+00	1.00E+01	6.26E-01	6.26E-02
CHROMIUM	1.46E+01	5.99E-02	2.79E-01	3.28E+00	1.31E+01	8.51E-02	2.12E-02
LEAD	9.45E+00	1.80E-01	3.78E-01	8.00E+00	8.00E+01	4.73E-02	4.73E-03

TABLE D-9
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	1.59E-02	7.54E+00	2.10E-02	8.00E-01	4.00E+00	2.62E-02	5.25E-03
4,4'-DDT	1.04E-02	7.54E+00	1.37E-02	8.00E-01	4.00E+00	1.72E-02	3.43E-03
CHLORDANE	3.37E-01	5.00E+00	2.96E-01	4.58E+00	9.16E+00	6.47E-02	3.23E-02
DIELDRIN	7.20E-01	6.63E+00	8.37E-01	2.00E-02	2.00E-01	4.18E+01	4.18E+00

TABLE D-10
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	7.50E-02	7.54E+00	9.90E-02	8.00E-01	4.00E+00	1.24E-01	2.48E-02
4,4'-DDT	7.80E-02	7.54E+00	1.03E-01	8.00E-01	4.00E+00	1.29E-01	2.58E-02
ALPHA-CHLORDANE	2.49E-01	5.00E+00	2.19E-01	4.58E+00	9.16E+00	4.78E-02	2.39E-02
CHLORDANE	1.97E+00	5.00E+00	1.73E+00	4.58E+00	9.16E+00	3.79E-01	1.89E-01
DIELDRIN	6.56E-01	6.63E+00	7.62E-01	2.00E-02	2.00E-01	3.81E+01	3.81E+00
GAMMA-CHLORDANE	2.30E-01	5.00E+00	2.02E-01	4.58E+00	9.16E+00	4.41E-02	2.21E-02
HEPTACHLOR EPOXIDE	3.95E-02	8.38E+00	5.79E-02	1.00E-01	1.00E+00	5.79E-01	5.79E-02
TOXAPHENE	3.97E+00	1.00E+00	7.26E-01	8.00E+00	8.00E+01	9.07E-02	9.07E-03
Inorganics							
ARSENIC	5.50E+00	6.59E-01	6.78E-01	1.26E-01	1.26E+00	5.38E+00	5.38E-01

TABLE D-11
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDD	3.82E-01	7.54E+00	5.04E-01	8.00E-01	4.00E+00	6.31E-01	1.26E-01
4,4'-DDE	3.44E-01	7.54E+00	4.54E-01	8.00E-01	4.00E+00	5.68E-01	1.14E-01
4,4'-DDT	4.39E-01	7.54E+00	5.80E-01	8.00E-01	4.00E+00	7.25E-01	1.45E-01
ALPHA-CHLORDANE	3.60E+00	5.00E+00	3.16E+00	4.58E+00	9.16E+00	6.90E-01	3.45E-01
CHLORDANE	3.04E+01	5.00E+00	2.67E+01	4.58E+00	9.16E+00	5.82E+00	2.91E+00
DIELDRIN	2.63E-01	6.63E+00	3.05E-01	2.00E-02	2.00E-01	1.53E+01	1.53E+00
GAMMA-CHLORDANE	3.67E+00	5.00E+00	3.23E+00	4.58E+00	9.16E+00	7.04E-01	3.52E-01
HEPTACHLOR EPOXIDE	2.56E-01	8.38E+00	3.76E-01	1.00E-01	1.00E+00	3.76E+00	3.76E-01
Inorganics							
ARSENIC	1.70E+01	6.59E-01	2.10E+00	1.26E-01	1.26E+00	1.66E+01	1.66E+00

TABLE D-12
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	7.00E-03	7.54E+00	9.24E-03	8.00E-01	4.00E+00	1.16E-02	2.31E-03
ALDRIN	3.70E-03	3.31E+00	2.16E-03	2.00E-01	1.00E+00	1.08E-02	2.16E-03
ALPHA-CHLORDANE	1.16E-02	5.00E+00	1.02E-02	4.58E+00	9.16E+00	2.23E-03	1.11E-03
CHLORDANE	7.80E-02	5.00E+00	6.85E-02	4.58E+00	9.16E+00	1.50E-02	7.48E-03
DIELDRIN	3.94E-02	6.63E+00	4.58E-02	2.00E-02	2.00E-01	2.29E+00	2.29E-01
Inorganics							
ARSENIC	5.60E+00	6.59E-01	6.91E-01	1.26E-01	1.26E+00	5.48E+00	5.48E-01

TABLE D-13
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides							
PENTACHLOROPHENOL	4.00E-02	1.00E+00	7.31E-03	2.40E-01	2.40E+00	3.05E-02	3.05E-03
Pesticides							
4,4'-DDD	9.00E-03	7.54E+00	1.19E-02	8.00E-01	4.00E+00	1.49E-02	2.97E-03
4,4'-DDE	1.30E-02	7.54E+00	1.72E-02	8.00E-01	4.00E+00	2.15E-02	4.29E-03
4,4'-DDT	3.80E-02	7.54E+00	5.02E-02	8.00E-01	4.00E+00	6.27E-02	1.25E-02
ALDRIN	5.00E-03	3.31E+00	2.93E-03	2.00E-01	1.00E+00	1.46E-02	2.93E-03
ALPHA-CHLORDANE	1.40E-02	5.00E+00	1.23E-02	4.58E+00	9.16E+00	2.69E-03	1.34E-03
AROCLOR-1254	4.68E-01	1.13E+00	9.61E-02	6.80E-02	6.80E-01	1.41E+00	1.41E-01
CHLORDANE	9.50E-02	5.00E+00	8.35E-02	4.58E+00	9.16E+00	1.82E-02	9.11E-03
DIELDRIN	4.30E-02	6.63E+00	4.99E-02	2.00E-02	2.00E-01	2.50E+00	2.50E-01
GAMMA-CHLORDANE	1.10E-02	5.00E+00	9.67E-03	4.58E+00	9.16E+00	2.11E-03	1.06E-03
HEPTACHLOR EPOXIDE	5.00E-03	8.38E+00	7.33E-03	1.00E-01	1.00E+00	7.33E-02	7.33E-03
TOXAPHENE	4.66E-01	1.00E+00	8.51E-02	8.00E+00	8.00E+01	1.06E-02	1.06E-03
Inorganics							
ARSENIC	2.08E+00	6.59E-01	2.56E-01	1.26E-01	1.26E+00	2.04E+00	2.04E-01
CHROMIUM	1.50E+01	5.99E-02	2.87E-01	3.28E+00	1.31E+01	8.75E-02	2.18E-02

TABLE D-14
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
LEAST SHREW - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	6.00E-03	7.54E+00	7.92E-03	8.00E-01	4.00E+00	9.90E-03	1.98E-03
4,4'-DDT	3.60E-02	7.54E+00	4.75E-02	8.00E-01	4.00E+00	5.94E-02	1.19E-02
ALPHA-CHLORDANE	7.00E-03	5.00E+00	6.15E-03	4.58E+00	9.16E+00	1.34E-03	6.71E-04
CHLORDANE	3.80E-02	5.00E+00	3.34E-02	4.58E+00	9.16E+00	7.29E-03	3.65E-03
DIELDRIN	1.30E-02	6.63E+00	1.51E-02	2.00E-02	2.00E-01	7.55E-01	7.55E-02
GAMMA-CHLORDANE	6.00E-03	5.00E+00	5.27E-03	4.58E+00	9.16E+00	1.15E-03	5.76E-04
HEPTACHLOR EPOXIDE	3.00E-03	8.38E+00	4.40E-03	1.00E-01	1.00E+00	4.40E-02	4.40E-03
Inorganics							
ARSENIC	3.70E-01	6.59E-01	4.56E-02	1.26E-01	1.26E+00	3.62E-01	3.62E-02

TABLE D-15
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	4.18E-01	7.54E+00	4.48E-01	2.80E-03	2.80E-02	1.60E+02	1.60E+01
4,4'-DDT	1.40E-01	7.54E+00	1.50E-01	2.80E-03	2.80E-02	5.36E+01	5.36E+00
ALPHA-CHLORDANE	5.87E+00	5.00E+00	4.19E+00	2.14E+00	1.07E+01	1.96E+00	3.91E-01
CHLORDANE	5.34E+01	5.00E+00	3.81E+01	2.14E+00	1.07E+01	1.78E+01	3.56E+00
DIELDRIN	7.64E+00	6.63E+00	7.20E+00	7.70E-02	7.70E-01	9.35E+01	9.35E+00
GAMMA-CHLORDANE	6.03E+00	5.00E+00	4.30E+00	2.14E+00	1.07E+01	2.01E+00	4.02E-01
HEPTACHLOR EPOXIDE	2.31E-01	8.38E+00	2.75E-01	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	1.03E+01	1.00E+00	1.53E+00	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	1.70E+01	6.59E-01	1.70E+00	2.46E+00	7.38E+00	6.92E-01	2.31E-01

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-16
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDD	3.25E-01	7.54E+00	3.48E-01	2.80E-03	2.80E-02	1.24E+02	1.24E+01
4,4'-DDE	8.58E-01	7.54E+00	9.20E-01	2.80E-03	2.80E-02	3.28E+02	3.28E+01
4,4'-DDT	9.44E-01	7.54E+00	1.01E+00	2.80E-03	2.80E-02	3.61E+02	3.61E+01
ALPHA-CHLORDANE	1.31E+01	5.00E+00	9.34E+00	2.14E+00	1.07E+01	4.37E+00	8.73E-01
CHLORDANE	1.02E+02	5.00E+00	7.27E+01	2.14E+00	1.07E+01	3.40E+01	6.80E+00
DIELDRIN	1.11E+00	6.63E+00	1.05E+00	7.70E-02	7.70E-01	1.36E+01	1.36E+00
GAMMA-CHLORDANE	1.41E+01	5.00E+00	1.01E+01	2.14E+00	1.07E+01	4.70E+00	9.40E-01
HEPTACHLOR EPOXIDE	1.07E+00	8.38E+00	1.27E+00	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	6.48E+01	6.59E-01	6.49E+00	2.46E+00	7.38E+00	2.64E+00	8.79E-01

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-17
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	3.30E-03	7.54E+00	3.54E-03	2.80E-03	2.80E-02	1.26E+00	1.26E-01
ALDRIN	5.70E-03	3.31E+00	2.71E-03	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.12E-01	5.00E+00	7.99E-02	2.14E+00	1.07E+01	3.73E-02	7.46E-03
CHLORDANE	8.74E-01	5.00E+00	6.23E-01	2.14E+00	1.07E+01	2.91E-01	5.83E-02
DIELDRIN	2.09E-01	6.63E+00	1.97E-01	7.70E-02	7.70E-01	2.56E+00	2.56E-01
Inorganics							
ARSENIC	1.58E+01	6.59E-01	1.58E+00	2.46E+00	7.38E+00	6.43E-01	2.14E-01

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-18
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides							
PENTACHLOROPHENOL	3.35E-02	1.00E+00	4.97E-03	NV	NV	#VALUE!	#VALUE!
Pesticides							
4,4'-DDD	8.45E-02	7.54E+00	9.06E-02	2.80E-03	2.80E-02	3.23E+01	3.23E+00
4,4'-DDE	3.77E-01	7.54E+00	4.04E-01	2.80E-03	2.80E-02	1.44E+02	1.44E+01
4,4'-DDT	3.11E-01	7.54E+00	3.33E-01	2.80E-03	2.80E-02	1.19E+02	1.19E+01
ALDRIN	5.20E-03	3.31E+00	2.47E-03	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	2.26E-01	5.00E+00	1.61E-01	2.14E+00	1.07E+01	7.53E-02	1.51E-02
AROCLOR-1254	1.07E+00	1.13E+00	1.78E-01	1.80E-01	1.80E+00	9.89E-01	9.89E-02
CHLORDANE	2.34E+00	5.00E+00	1.67E+00	2.14E+00	1.07E+01	7.80E-01	1.56E-01
DIELDRIN	6.21E-01	6.63E+00	5.85E-01	7.70E-02	7.70E-01	7.60E+00	7.60E-01
GAMMA-CHLORDANE	9.24E-02	5.00E+00	6.59E-02	2.14E+00	1.07E+01	3.08E-02	6.16E-03
HEPTACHLOR EPOXIDE	1.96E-03	8.38E+00	2.33E-03	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	2.10E+00	1.00E+00	3.11E-01	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	1.60E+01	6.59E-01	1.60E+00	2.46E+00	7.38E+00	6.51E-01	2.17E-01
CHROMIUM	1.46E+01	5.99E-02	2.27E-01	1.00E+00	5.00E+00	2.27E-01	4.53E-02

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-19
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	1.59E-02	7.54E+00	1.70E-02	2.80E-03	2.80E-02	6.09E+00	6.09E-01
4,4'-DDT	1.04E-02	7.54E+00	1.11E-02	2.80E-03	2.80E-02	3.98E+00	3.98E-01
ALPHA-CHLORDANE	8.49E-02	5.00E+00	6.05E-02	2.14E+00	1.07E+01	2.83E-02	5.66E-03
CHLORDANE	3.37E-01	5.00E+00	2.40E-01	2.14E+00	1.07E+01	1.12E-01	2.25E-02
DIELDRIN	7.20E-01	6.63E+00	6.79E-01	7.70E-02	7.70E-01	8.82E+00	8.82E-01
GAMMA-CHLORDANE	6.69E-02	5.00E+00	4.77E-02	2.14E+00	1.07E+01	2.23E-02	4.46E-03
HEPTACHLOR EPOXIDE	1.40E-03	8.38E+00	1.67E-03	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	9.58E+00	6.59E-01	9.58E-01	2.46E+00	7.38E+00	3.90E-01	1.30E-01

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-20
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	7.50E-02	7.54E+00	8.04E-02	2.80E-03	2.80E-02	2.87E+01	2.87E+00
4,4'-DDT	7.80E-02	7.54E+00	8.36E-02	2.80E-03	2.80E-02	2.99E+01	2.99E+00
ALPHA-CHLORDANE	2.49E-01	5.00E+00	1.78E-01	2.14E+00	1.07E+01	8.30E-02	1.66E-02
CHLORDANE	1.97E+00	5.00E+00	1.41E+00	2.14E+00	1.07E+01	6.58E-01	1.32E-01
DIELDRIN	6.56E-01	6.63E+00	6.18E-01	7.70E-02	7.70E-01	8.03E+00	8.03E-01
GAMMA-CHLORDANE	2.30E-01	5.00E+00	1.64E-01	2.14E+00	1.07E+01	7.66E-02	1.53E-02
HEPTACHLOR EPOXIDE	3.95E-02	8.38E+00	4.70E-02	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	3.97E+00	1.00E+00	5.89E-01	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	5.50E+00	6.59E-01	5.50E-01	2.46E+00	7.38E+00	2.24E-01	7.46E-02

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-21
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDD	3.82E-01	7.54E+00	4.09E-01	2.80E-03	2.80E-02	1.46E+02	1.46E+01
4,4'-DDE	3.44E-01	7.54E+00	3.69E-01	2.80E-03	2.80E-02	1.32E+02	1.32E+01
4,4'-DDT	4.39E-01	7.54E+00	4.71E-01	2.80E-03	2.80E-02	1.68E+02	1.68E+01
ALPHA-CHLORDANE	3.60E+00	5.00E+00	2.56E+00	2.14E+00	1.07E+01	1.20E+00	2.40E-01
CHLORDANE	3.04E+01	5.00E+00	2.16E+01	2.14E+00	1.07E+01	1.01E+01	2.02E+00
DIELDRIN	2.63E-01	6.63E+00	2.48E-01	7.70E-02	7.70E-01	3.22E+00	3.22E-01
GAMMA-CHLORDANE	3.67E+00	5.00E+00	2.62E+00	2.14E+00	1.07E+01	1.22E+00	2.45E-01
HEPTACHLOR EPOXIDE	2.56E-01	8.38E+00	3.05E-01	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	1.70E+01	6.59E-01	1.70E+00	2.46E+00	7.38E+00	6.92E-01	2.31E-01

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-22
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	7.00E-03	7.54E+00	7.50E-03	2.80E-03	2.80E-02	2.68E+00	2.68E-01
ALDRIN	3.70E-03	3.31E+00	1.76E-03	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.16E-02	5.00E+00	8.27E-03	2.14E+00	1.07E+01	3.87E-03	7.73E-04
CHLORDANE	7.80E-02	5.00E+00	5.56E-02	2.14E+00	1.07E+01	2.60E-02	5.20E-03
DIELDRIN	3.94E-02	6.63E+00	3.71E-02	7.70E-02	7.70E-01	4.82E-01	4.82E-02
Inorganics							
ARSENIC	5.60E+00	6.59E-01	5.60E-01	2.46E+00	7.38E+00	2.28E-01	7.59E-02

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-23
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides							
PENTACHLOROPHENOL	4.00E-02	1.00E+00	5.93E-03	NV	NV	#VALUE!	#VALUE!
Pesticides							
4,4'-DDD	9.00E-03	7.54E+00	9.65E-03	2.80E-03	2.80E-02	3.45E+00	3.45E-01
4,4'-DDE	1.30E-02	7.54E+00	1.39E-02	2.80E-03	2.80E-02	4.98E+00	4.98E-01
4,4'-DDT	3.80E-02	7.54E+00	4.07E-02	2.80E-03	2.80E-02	1.45E+01	1.45E+00
ALDRIN	5.00E-03	3.31E+00	2.37E-03	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.40E-02	5.00E+00	9.98E-03	2.14E+00	1.07E+01	4.67E-03	9.33E-04
AROCLOR-1254	4.68E-01	1.13E+00	7.80E-02	1.80E-01	1.80E+00	4.33E-01	4.33E-02
CHLORDANE	9.50E-02	5.00E+00	6.77E-02	2.14E+00	1.07E+01	3.17E-02	6.33E-03
DIELDRIN	4.30E-02	6.63E+00	4.05E-02	7.70E-02	7.70E-01	5.26E-01	5.26E-02
GAMMA-CHLORDANE	1.10E-02	5.00E+00	7.84E-03	2.14E+00	1.07E+01	3.67E-03	7.33E-04
HEPTACHLOR EPOXIDE	5.00E-03	8.38E+00	5.95E-03	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	4.66E-01	1.00E+00	6.91E-02	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	2.00E+00	6.59E-01	2.00E-01	2.46E+00	7.38E+00	8.14E-02	2.71E-02
CHROMIUM	1.50E+01	5.99E-02	2.33E-01	1.00E+00	5.00E+00	2.33E-01	4.66E-02

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-24
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
MOCKINGBIRD - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides							
4,4'-DDE	6.00E-03	7.54E+00	6.43E-03	2.80E-03	2.80E-02	2.30E+00	2.30E-01
4,4'-DDT	3.60E-02	7.54E+00	3.86E-02	2.80E-03	2.80E-02	1.38E+01	1.38E+00
ALPHA-CHLORDANE	7.00E-03	5.00E+00	4.99E-03	2.14E+00	1.07E+01	2.33E-03	4.67E-04
CHLORDANE	3.80E-02	5.00E+00	2.71E-02	2.14E+00	1.07E+01	1.27E-02	2.53E-03
DIELDRIN	1.30E-02	6.63E+00	1.23E-02	7.70E-02	7.70E-01	1.59E-01	1.59E-02
GAMMA-CHLORDANE	6.00E-03	5.00E+00	4.28E-03	2.14E+00	1.07E+01	2.00E-03	4.00E-04
HEPTACHLOR EPOXIDE	3.00E-03	8.38E+00	3.57E-03	NV	NV	#VALUE!	#VALUE!
Inorganics							
ARSENIC	3.70E-01	6.59E-01	3.70E-02	2.46E+00	7.38E+00	1.51E-02	5.02E-03

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-25
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	4.18E-01	7.54E+00	1.53E-01	1.68E-02	8.00E-01	4.00E+00	2.10E-02	4.20E-03
4,4'-DDT	1.40E-01	7.54E+00	8.81E-02	3.23E-03	8.00E-01	4.00E+00	4.04E-03	8.09E-04
ALPHA-CHLORDANE	5.87E+00	5.00E+00	2.32E-02	2.37E-02	4.58E+00	9.16E+00	5.17E-03	2.59E-03
CHLORDANE	5.34E+01	5.00E+00	2.32E-02	2.16E-01	4.58E+00	9.16E+00	4.71E-02	2.35E-02
DIELDRIN	7.64E+00	6.63E+00	2.48E-02	4.37E-02	2.00E-02	2.00E-01	2.19E+00	2.19E-01
GAMMA-CHLORDANE	6.03E+00	5.00E+00	2.32E-02	2.43E-02	4.58E+00	9.16E+00	5.31E-03	2.66E-03
HEPTACHLOR EPOXIDE	2.31E-01	8.38E+00	2.48E-01	1.67E-02	1.00E-01	1.00E+00	1.67E-01	1.67E-02
TOXAPHENE	1.03E+01	1.00E+00	5.07E-03	1.86E-03	8.00E+00	8.00E+01	2.32E-04	2.32E-05
Inorganics								
ARSENIC	1.70E+01	6.59E-01	1.49E-02	2.53E-02	1.26E-01	1.26E+00	2.01E-01	2.01E-02

TABLE D-26
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDD	3.25E-01	7.54E+00	3.93E-02	3.35E-03	8.00E-01	4.00E+00	4.19E-03	8.38E-04
4,4'-DDE	8.58E-01	7.54E+00	1.53E-01	3.44E-02	8.00E-01	4.00E+00	4.31E-02	8.61E-03
4,4'-DDT	9.44E-01	7.54E+00	8.81E-02	2.18E-02	8.00E-01	4.00E+00	2.73E-02	5.45E-03
ALPHA-CHLORDANE	1.31E+01	5.00E+00	2.32E-02	5.29E-02	4.58E+00	9.16E+00	1.15E-02	5.77E-03
CHLORDANE	1.02E+02	5.00E+00	2.32E-02	4.12E-01	4.58E+00	9.16E+00	8.99E-02	4.50E-02
DIELDRIN	1.11E+00	6.63E+00	2.48E-02	6.35E-03	2.00E-02	2.00E-01	3.18E-01	3.18E-02
GAMMA-CHLORDANE	1.41E+01	5.00E+00	2.32E-02	5.69E-02	4.58E+00	9.16E+00	1.24E-02	6.21E-03
HEPTACHLOR EPOXIDE	1.07E+00	8.38E+00	2.48E-01	7.74E-02	1.00E-01	1.00E+00	7.74E-01	7.74E-02
Inorganics								
ARSENIC	6.48E+01	6.59E-01	1.49E-02	9.63E-02	1.26E-01	1.26E+00	7.65E-01	7.65E-02

TABLE D-27
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	3.30E-03	7.54E+00	1.53E-01	1.32E-04	8.00E-01	4.00E+00	1.66E-04	3.31E-05
ALDRIN	5.70E-03	3.31E+00	2.66E-01	1.76E-04	2.00E-01	1.00E+00	8.78E-04	1.76E-04
ALPHA-CHLORDANE	1.12E-01	5.00E+00	2.32E-02	4.52E-04	4.58E+00	9.16E+00	9.87E-05	4.94E-05
CHLORDANE	8.74E-01	5.00E+00	2.32E-02	3.53E-03	4.58E+00	9.16E+00	7.70E-04	3.85E-04
DIELDRIN	2.09E-01	6.63E+00	2.48E-02	1.20E-03	2.00E-02	2.00E-01	5.98E-02	5.98E-03
Inorganics								
ARSENIC	1.58E+01	6.59E-01	1.49E-02	2.35E-02	1.26E-01	1.26E+00	1.86E-01	1.86E-02

TABLE D-28
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides								
PENTACHLOROPHENOL	3.35E-02	1.00E+00	3.33E-03	3.98E-06	2.40E-01	2.40E+00	1.66E-05	1.66E-06
Pesticides								
4,4'-DDD	8.45E-02	7.54E+00	3.93E-02	8.72E-04	8.00E-01	4.00E+00	1.09E-03	2.18E-04
4,4'-DDE	3.77E-01	7.54E+00	1.53E-01	1.51E-02	8.00E-01	4.00E+00	1.89E-02	3.78E-03
4,4'-DDT	3.11E-01	7.54E+00	8.81E-02	7.18E-03	8.00E-01	4.00E+00	8.98E-03	1.80E-03
ALDRIN	5.20E-03	3.31E+00	2.66E-01	1.60E-04	2.00E-01	1.00E+00	8.01E-04	1.60E-04
ALPHA-CHLORDANE	2.26E-01	5.00E+00	2.32E-02	9.12E-04	4.58E+00	9.16E+00	1.99E-04	9.96E-05
AROCLOR-1254	1.07E+00	1.13E+00	5.25E-02	2.25E-03	6.80E-02	6.80E-01	3.31E-02	3.31E-03
CHLORDANE	2.34E+00	5.00E+00	2.32E-02	9.45E-03	4.58E+00	9.16E+00	2.06E-03	1.03E-03
DIELDRIN	6.21E-01	6.63E+00	2.48E-02	3.55E-03	2.00E-02	2.00E-01	1.78E-01	1.78E-02
GAMMA-CHLORDANE	9.24E-02	5.00E+00	2.32E-02	3.73E-04	4.58E+00	9.16E+00	8.14E-05	4.07E-05
HEPTACHLOR EPOXIDE	1.96E-03	8.38E+00	2.48E-01	1.42E-04	1.00E-01	1.00E+00	1.42E-03	1.42E-04
TOXAPHENE	2.10E+00	1.00E+00	5.07E-03	3.79E-04	8.00E+00	8.00E+01	4.74E-05	4.74E-06
Inorganics								
ARSENIC	1.60E+01	6.59E-01	1.49E-02	2.38E-02	1.26E-01	1.26E+00	1.89E-01	1.89E-02
CHROMIUM	1.46E+01	5.99E-02	3.33E-01	1.83E-01	3.28E+00	1.31E+01	5.57E-02	1.39E-02

TABLE D-29
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	1.59E-02	7.54E+00	1.53E-01	6.38E-04	8.00E-01	4.00E+00	7.98E-04	1.60E-04
4,4'-DDT	1.04E-02	7.54E+00	8.81E-02	2.40E-04	8.00E-01	4.00E+00	3.00E-04	6.01E-05
ALPHA-CHLORDANE	8.49E-02	5.00E+00	2.32E-02	3.43E-04	4.58E+00	9.16E+00	7.48E-05	3.74E-05
CHLORDANE	3.37E-01	5.00E+00	2.32E-02	1.36E-03	4.58E+00	9.16E+00	2.97E-04	1.49E-04
DIELDRIN	7.20E-01	6.63E+00	2.48E-02	4.12E-03	2.00E-02	2.00E-01	2.06E-01	2.06E-02
GAMMA-CHLORDANE	6.69E-02	5.00E+00	2.32E-02	2.70E-04	4.58E+00	9.16E+00	5.90E-05	2.95E-05
HEPTACHLOR EPOXIDE	1.40E-03	8.38E+00	2.48E-01	1.01E-04	1.00E-01	1.00E+00	1.01E-03	1.01E-04
Inorganics								
ARSENIC	9.58E+00	6.59E-01	1.49E-02	1.42E-02	1.26E-01	1.26E+00	1.13E-01	1.13E-02

TABLE D-30
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	7.50E-02	7.54E+00	1.53E-01	3.01E-03	8.00E-01	4.00E+00	3.76E-03	7.53E-04
4,4'-DDT	7.80E-02	7.54E+00	8.81E-02	1.80E-03	8.00E-01	4.00E+00	2.25E-03	4.50E-04
ALPHA-CHLORDANE	2.49E-01	5.00E+00	2.32E-02	1.01E-03	4.58E+00	9.16E+00	2.19E-04	1.10E-04
CHLORDANE	1.97E+00	5.00E+00	2.32E-02	7.97E-03	4.58E+00	9.16E+00	1.74E-03	8.70E-04
DIELDRIN	6.56E-01	6.63E+00	2.48E-02	3.75E-03	2.00E-02	2.00E-01	1.88E-01	1.88E-02
GAMMA-CHLORDANE	2.30E-01	5.00E+00	2.32E-02	9.28E-04	4.58E+00	9.16E+00	2.03E-04	1.01E-04
HEPTACHLOR EPOXIDE	3.95E-02	8.38E+00	2.48E-01	2.86E-03	1.00E-01	1.00E+00	2.86E-02	2.86E-03
TOXAPHENE	3.97E+00	1.00E+00	5.07E-03	7.17E-04	8.00E+00	8.00E+01	8.96E-05	8.96E-06
Inorganics								
ARSENIC	5.50E+00	6.59E-01	2.50E-03	5.81E-03	1.26E-01	1.26E+00	4.61E-02	4.61E-03

TABLE D-31
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDD	3.82E-01	7.54E+00	3.93E-02	3.94E-03	8.00E-01	4.00E+00	4.93E-03	9.85E-04
4,4'-DDE	3.44E-01	7.54E+00	1.53E-01	1.38E-02	8.00E-01	4.00E+00	1.73E-02	3.45E-03
4,4'-DDT	4.39E-01	7.54E+00	8.81E-02	1.01E-02	8.00E-01	4.00E+00	1.27E-02	2.54E-03
ALPHA-CHLORDANE	3.60E+00	5.00E+00	2.32E-02	1.45E-02	4.58E+00	9.16E+00	3.17E-03	1.58E-03
CHLORDANE	3.04E+01	5.00E+00	2.32E-02	1.23E-01	4.58E+00	9.16E+00	2.68E-02	1.34E-02
DIELDRIN	2.63E-01	6.63E+00	2.48E-02	1.51E-03	2.00E-02	2.00E-01	7.53E-02	7.53E-03
GAMMA-CHLORDANE	3.67E+00	5.00E+00	2.32E-02	1.48E-02	4.58E+00	9.16E+00	3.24E-03	1.62E-03
HEPTACHLOR EPOXIDE	2.56E-01	8.38E+00	2.48E-01	1.85E-02	1.00E-01	1.00E+00	1.85E-01	1.85E-02
Inorganics								
ARSENIC	1.70E+01	6.59E-01	2.50E-03	1.80E-02	1.26E-01	1.26E+00	1.43E-01	1.43E-02

TABLE D-32
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	7.00E-03	7.54E+00	1.53E-01	2.81E-04	8.00E-01	4.00E+00	3.51E-04	7.03E-05
ALDRIN	3.70E-03	3.31E+00	2.66E-01	1.14E-04	2.00E-01	1.00E+00	5.70E-04	1.14E-04
ALPHA-CHLORDANE	1.16E-02	5.00E+00	2.32E-02	4.68E-05	4.58E+00	9.16E+00	1.02E-05	5.11E-06
CHLORDANE	7.80E-02	5.00E+00	2.32E-02	3.15E-04	4.58E+00	9.16E+00	6.88E-05	3.44E-05
DIELDRIN	3.94E-02	6.63E+00	2.48E-02	2.26E-04	2.00E-02	2.00E-01	1.13E-02	1.13E-03
Inorganics								
ARSENIC	5.60E+00	6.59E-01	2.50E-03	5.92E-03	1.26E-01	1.26E+00	4.70E-02	4.70E-03

TABLE D-33
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides								
PENTACHLOROPHENOL	4.00E-02	1.00E+00	3.33E-03	4.75E-06	2.40E-01	2.40E+00	1.98E-05	1.98E-06
Pesticides								
4,4'-DDD	9.00E-03	7.54E+00	3.93E-02	9.29E-05	8.00E-01	4.00E+00	1.16E-04	2.32E-05
4,4'-DDE	1.30E-02	7.54E+00	1.53E-01	5.22E-04	8.00E-01	4.00E+00	6.52E-04	1.30E-04
4,4'-DDT	3.80E-02	7.54E+00	8.81E-02	8.78E-04	8.00E-01	4.00E+00	1.10E-03	2.19E-04
ALDRIN	5.00E-03	3.31E+00	2.66E-01	1.54E-04	2.00E-01	1.00E+00	7.70E-04	1.54E-04
ALPHA-CHLORDANE	1.40E-02	5.00E+00	2.32E-02	5.65E-05	4.58E+00	9.16E+00	1.23E-05	6.17E-06
AROCLOR-1254	4.68E-01	1.13E+00	5.25E-02	9.86E-04	6.80E-02	6.80E-01	1.45E-02	1.45E-03
CHLORDANE	9.50E-02	5.00E+00	2.32E-02	3.84E-04	4.58E+00	9.16E+00	8.37E-05	4.19E-05
DIELDRIN	4.30E-02	6.63E+00	2.48E-02	2.46E-04	2.00E-02	2.00E-01	1.23E-02	1.23E-03
GAMMA-CHLORDANE	1.10E-02	5.00E+00	2.32E-02	4.44E-05	4.58E+00	9.16E+00	9.70E-06	4.85E-06
HEPTACHLOR EPOXIDE	5.00E-03	8.38E+00	2.48E-01	3.62E-04	1.00E-01	1.00E+00	3.62E-03	3.62E-04
TOXAPHENE	4.66E-01	1.00E+00	5.07E-03	8.41E-05	8.00E+00	8.00E+01	1.05E-05	1.05E-06
Inorganics								
ARSENIC	2.00E+00	6.59E-01	2.50E-03	2.11E-03	1.26E-01	1.26E+00	1.68E-02	1.68E-03
CHROMIUM	1.50E+01	5.99E-02	8.46E-02	5.85E-02	3.28E+00	1.31E+01	1.78E-02	4.45E-03

TABLE D-34
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED FOX - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	6.00E-03	7.54E+00	1.53E-01	2.41E-04	8.00E-01	4.00E+00	3.01E-04	6.02E-05
4,4'-DDT	3.60E-02	7.54E+00	8.81E-02	8.32E-04	8.00E-01	4.00E+00	1.04E-03	2.08E-04
ALPHA-CHLORDANE	7.00E-03	5.00E+00	2.32E-02	2.83E-05	4.58E+00	9.16E+00	6.17E-06	3.08E-06
CHLORDANE	3.80E-02	5.00E+00	2.32E-02	1.53E-04	4.58E+00	9.16E+00	3.35E-05	1.67E-05
DIELDRIN	1.30E-02	6.63E+00	2.48E-02	7.44E-05	2.00E-02	2.00E-01	3.72E-03	3.72E-04
GAMMA-CHLORDANE	6.00E-03	5.00E+00	2.32E-02	2.42E-05	4.58E+00	9.16E+00	5.29E-06	2.64E-06
HEPTACHLOR EPOXIDE	3.00E-03	8.38E+00	2.48E-01	2.17E-04	1.00E-01	1.00E+00	2.17E-03	2.17E-04
Inorganics								
ARSENIC	3.70E-01	6.59E-01	2.50E-03	3.91E-04	1.26E-01	1.26E+00	3.10E-03	3.10E-04

TABLE D-35
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	4.18E-01	7.54E+00	1.53E-01	1.63E-02	2.80E-03	2.80E-02	5.81E+00	5.81E-01
4,4'-DDT	1.40E-01	7.54E+00	8.81E-02	3.14E-03	2.80E-03	2.80E-02	1.12E+00	1.12E-01
ALPHA-CHLORDANE	5.87E+00	5.00E+00	2.32E-02	2.29E-02	2.14E+00	1.07E+01	1.07E-02	2.14E-03
CHLORDANE	5.34E+01	5.00E+00	2.32E-02	2.09E-01	2.14E+00	1.07E+01	9.75E-02	1.95E-02
DIELDRIN	7.64E+00	6.63E+00	2.48E-02	4.24E-02	7.70E-02	7.70E-01	5.51E-01	5.51E-02
GAMMA-CHLORDANE	6.03E+00	5.00E+00	2.32E-02	2.36E-02	2.14E+00	1.07E+01	1.10E-02	2.20E-03
HEPTACHLOR EPOXIDE	2.31E-01	8.38E+00	2.48E-01	1.62E-02	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	1.03E+01	1.00E+00	5.07E-03	1.76E-03	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	1.70E+01	6.59E-01	1.49E-02	8.55E-03	2.46E+00	7.38E+00	3.47E-03	1.16E-03

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-36
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDD	3.25E-01	7.54E+00	3.93E-02	3.25E-03	2.80E-03	2.80E-02	1.16E+00	1.16E-01
4,4'-DDE	8.58E-01	7.54E+00	1.53E-01	3.34E-02	2.80E-03	2.80E-02	1.19E+01	1.19E+00
4,4'-DDT	9.44E-01	7.54E+00	8.81E-02	2.12E-02	2.80E-03	2.80E-02	7.56E+00	7.56E-01
ALPHA-CHLORDANE	1.31E+01	5.00E+00	2.32E-02	5.12E-02	2.14E+00	1.07E+01	2.39E-02	4.79E-03
CHLORDANE	1.02E+02	5.00E+00	2.32E-02	3.99E-01	2.14E+00	1.07E+01	1.86E-01	3.73E-02
DIELDRIN	1.11E+00	6.63E+00	2.48E-02	6.16E-03	7.70E-02	7.70E-01	8.00E-02	8.00E-03
GAMMA-CHLORDANE	1.41E+01	5.00E+00	2.32E-02	5.51E-02	2.14E+00	1.07E+01	2.58E-02	5.15E-03
HEPTACHLOR EPOXIDE	1.07E+00	8.38E+00	2.48E-01	7.51E-02	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	6.48E+01	6.59E-01	1.49E-02	3.26E-02	2.46E+00	7.38E+00	1.32E-02	4.42E-03

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-37
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	3.30E-03	7.54E+00	1.53E-01	1.29E-04	2.80E-03	2.80E-02	4.59E-02	4.59E-03
ALDRIN	5.70E-03	3.31E+00	2.66E-01	1.69E-04	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.12E-01	5.00E+00	2.32E-02	4.38E-04	2.14E+00	1.07E+01	2.05E-04	4.09E-05
CHLORDANE	8.74E-01	5.00E+00	2.32E-02	3.42E-03	2.14E+00	1.07E+01	1.60E-03	3.19E-04
DIELDRIN	2.09E-01	6.63E+00	2.48E-02	1.16E-03	7.70E-02	7.70E-01	1.51E-02	1.51E-03
Inorganics								
ARSENIC	1.58E+01	6.59E-01	1.49E-02	7.94E-03	2.46E+00	7.38E+00	3.23E-03	1.08E-03

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-38
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides								
PENTACHLOROPHENOL	3.35E-02	1.00E+00	3.33E-03	3.77E-06	NV	NV	#VALUE!	#VALUE!
Pesticides								
4,4'-DDD	8.45E-02	7.54E+00	3.93E-02	8.46E-04	2.80E-03	2.80E-02	3.02E-01	3.02E-02
4,4'-DDE	3.77E-01	7.54E+00	1.53E-01	1.47E-02	2.80E-03	2.80E-02	5.24E+00	5.24E-01
4,4'-DDT	3.11E-01	7.54E+00	8.81E-02	6.97E-03	2.80E-03	2.80E-02	2.49E+00	2.49E-01
ALDRIN	5.20E-03	3.31E+00	2.66E-01	1.55E-04	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	2.26E-01	5.00E+00	2.32E-02	8.83E-04	2.14E+00	1.07E+01	4.13E-04	8.26E-05
AROCLOR-1254	1.07E+00	1.13E+00	5.25E-02	2.14E-03	1.80E-01	1.80E+00	1.19E-02	1.19E-03
CHLORDANE	2.34E+00	5.00E+00	2.32E-02	9.15E-03	2.14E+00	1.07E+01	4.27E-03	8.55E-04
DIELDRIN	6.21E-01	6.63E+00	2.48E-02	3.45E-03	7.70E-02	7.70E-01	4.48E-02	4.48E-03
GAMMA-CHLORDANE	9.24E-02	5.00E+00	2.32E-02	3.61E-04	2.14E+00	1.07E+01	1.69E-04	3.38E-05
HEPTACHLOR EPOXIDE	1.96E-03	8.38E+00	2.48E-01	1.38E-04	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	2.10E+00	1.00E+00	5.07E-03	3.59E-04	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	1.60E+01	6.59E-01	1.49E-02	8.05E-03	2.46E+00	7.38E+00	3.27E-03	1.09E-03
CHROMIUM	1.46E+01	5.99E-02	3.33E-01	1.64E-01	1.00E+00	5.00E+00	1.64E-01	3.28E-02

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-39
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - CONSERVATIVE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Max Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	1.59E-02	7.54E+00	1.53E-01	6.19E-04	2.80E-03	2.80E-02	2.21E-01	2.21E-02
4,4'-DDT	1.04E-02	7.54E+00	8.81E-02	2.33E-04	2.80E-03	2.80E-02	8.32E-02	8.32E-03
ALPHA-CHLORDANE	8.49E-02	5.00E+00	2.32E-02	3.32E-04	2.14E+00	1.07E+01	1.55E-04	3.10E-05
CHLORDANE	3.37E-01	5.00E+00	2.32E-02	1.32E-03	2.14E+00	1.07E+01	6.16E-04	1.23E-04
DIELDRIN	7.20E-01	6.63E+00	2.48E-02	4.00E-03	7.70E-02	7.70E-01	5.19E-02	5.19E-03
GAMMA-CHLORDANE	6.69E-02	5.00E+00	2.32E-02	2.62E-04	2.14E+00	1.07E+01	1.22E-04	2.44E-05
HEPTACHLOR EPOXIDE	1.40E-03	8.38E+00	2.48E-01	9.83E-05	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	9.58E+00	6.59E-01	1.49E-02	4.81E-03	2.46E+00	7.38E+00	1.96E-03	6.52E-04

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-40
PSC 51 - GOLF COURSE TEES
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	7.50E-02	7.54E+00	1.53E-01	2.92E-03	2.80E-03	2.80E-02	1.04E+00	1.04E-01
4,4'-DDT	7.80E-02	7.54E+00	8.81E-02	1.75E-03	2.80E-03	2.80E-02	6.24E-01	6.24E-02
ALPHA-CHLORDANE	2.49E-01	5.00E+00	2.32E-02	9.73E-04	2.14E+00	1.07E+01	4.55E-04	9.10E-05
CHLORDANE	1.97E+00	5.00E+00	2.32E-02	7.72E-03	2.14E+00	1.07E+01	3.61E-03	7.21E-04
DIELDRIN	6.56E-01	6.63E+00	2.48E-02	3.64E-03	7.70E-02	7.70E-01	4.73E-02	4.73E-03
GAMMA-CHLORDANE	2.30E-01	5.00E+00	2.32E-02	8.99E-04	2.14E+00	1.07E+01	4.20E-04	8.40E-05
HEPTACHLOR EPOXIDE	3.95E-02	8.38E+00	2.48E-01	2.77E-03	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	3.97E+00	1.00E+00	5.07E-03	6.79E-04	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	5.50E+00	6.59E-01	2.50E-03	4.64E-04	2.46E+00	7.38E+00	1.89E-04	6.29E-05

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-41
PSC 51 - GOLF COURSE GREENS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDD	3.82E-01	7.54E+00	3.93E-02	3.82E-03	2.80E-03	2.80E-02	1.37E+00	1.37E-01
4,4'-DDE	3.44E-01	7.54E+00	1.53E-01	1.34E-02	2.80E-03	2.80E-02	4.78E+00	4.78E-01
4,4'-DDT	4.39E-01	7.54E+00	8.81E-02	9.84E-03	2.80E-03	2.80E-02	3.51E+00	3.51E-01
ALPHA-CHLORDANE	3.60E+00	5.00E+00	2.32E-02	1.41E-02	2.14E+00	1.07E+01	6.57E-03	1.31E-03
CHLORDANE	3.04E+01	5.00E+00	2.32E-02	1.19E-01	2.14E+00	1.07E+01	5.54E-02	1.11E-02
DIELDRIN	2.63E-01	6.63E+00	2.48E-02	1.46E-03	7.70E-02	7.70E-01	1.90E-02	1.90E-03
GAMMA-CHLORDANE	3.67E+00	5.00E+00	2.32E-02	1.43E-02	2.14E+00	1.07E+01	6.71E-03	1.34E-03
HEPTACHLOR EPOXIDE	2.56E-01	8.38E+00	2.48E-01	1.80E-02	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	1.70E+01	6.59E-01	2.50E-03	1.43E-03	2.46E+00	7.38E+00	5.83E-04	1.94E-04

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-42
PSC 51 - GOLF COURSE FAIRWAYS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	7.00E-03	7.54E+00	1.53E-01	2.73E-04	2.80E-03	2.80E-02	9.74E-02	9.74E-03
ALDRIN	3.70E-03	3.31E+00	2.66E-01	1.10E-04	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.16E-02	5.00E+00	2.32E-02	4.53E-05	2.14E+00	1.07E+01	2.12E-05	4.24E-06
CHLORDANE	7.80E-02	5.00E+00	2.32E-02	3.05E-04	2.14E+00	1.07E+01	1.42E-04	2.85E-05
DIELDRIN	3.94E-02	6.63E+00	2.48E-02	2.19E-04	7.70E-02	7.70E-01	2.84E-03	2.84E-04
Inorganics								
ARSENIC	5.60E+00	6.59E-01	2.50E-03	4.72E-04	2.46E+00	7.38E+00	1.92E-04	6.40E-05

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-43
PSC 51 - GOLF COURSE ROUGH
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Herbicides								
PENTACHLOROPHENOL	4.00E-02	1.00E+00	3.33E-03	4.50E-06	NV	NV	#VALUE!	#VALUE!
Pesticides								
4,4'-DDD	9.00E-03	7.54E+00	3.93E-02	9.01E-05	2.80E-03	2.80E-02	3.22E-02	3.22E-03
4,4'-DDE	1.30E-02	7.54E+00	1.53E-01	5.06E-04	2.80E-03	2.80E-02	1.81E-01	1.81E-02
4,4'-DDT	3.80E-02	7.54E+00	8.81E-02	8.52E-04	2.80E-03	2.80E-02	3.04E-01	3.04E-02
ALDRIN	5.00E-03	3.31E+00	2.66E-01	1.49E-04	NV	NV	#VALUE!	#VALUE!
ALPHA-CHLORDANE	1.40E-02	5.00E+00	2.32E-02	5.47E-05	2.14E+00	1.07E+01	2.56E-05	5.11E-06
AROCLOR-1254	4.68E-01	1.13E+00	5.25E-02	9.37E-04	1.80E-01	1.80E+00	5.20E-03	5.20E-04
CHLORDANE	9.50E-02	5.00E+00	2.32E-02	3.71E-04	2.14E+00	1.07E+01	1.74E-04	3.47E-05
DIELDRIN	4.30E-02	6.63E+00	2.48E-02	2.39E-04	7.70E-02	7.70E-01	3.10E-03	3.10E-04
GAMMA-CHLORDANE	1.10E-02	5.00E+00	2.32E-02	4.30E-05	2.14E+00	1.07E+01	2.01E-05	4.02E-06
HEPTACHLOR EPOXIDE	5.00E-03	8.38E+00	2.48E-01	3.51E-04	NV	NV	#VALUE!	#VALUE!
TOXAPHENE	4.66E-01	1.00E+00	5.07E-03	7.97E-05	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	2.00E+00	6.59E-01	2.50E-03	1.69E-04	2.46E+00	7.38E+00	6.86E-05	2.29E-05
CHROMIUM	1.50E+01	5.99E-02	8.46E-02	4.28E-02	1.00E+00	5.00E+00	4.28E-02	8.57E-03

NV - No Value Established
#VALUE! - Value could not be calculated

TABLE D-44
PSC 51 - GOLF COURSE WOODS
TERRESTRIAL WILDLIFE MODEL ECOLOGICAL EFFECTS QUOTIENT CALCULATION
RED-TAILED HAWK - AVERAGE INPUTS
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Parameter	Avg Soil Concentration mg/kg	Biotransfer Factor (soil to inv.)	Biotransfer Factor (food to mam)	Dose (mg/kg/day)	NOAEL (mg/kg/day)	LOAEL (mg/kg/day)	NOAEL HQn	LOAEL HQl
Pesticides								
4,4'-DDE	6.00E-03	7.54E+00	1.53E-01	2.34E-04	2.80E-03	2.80E-02	8.35E-02	8.35E-03
4,4'-DDT	3.60E-02	7.54E+00	8.81E-02	8.07E-04	2.80E-03	2.80E-02	2.88E-01	2.88E-02
ALPHA-CHLORDANE	7.00E-03	5.00E+00	2.32E-02	2.74E-05	2.14E+00	1.07E+01	1.28E-05	2.56E-06
CHLORDANE	3.80E-02	5.00E+00	2.32E-02	1.49E-04	2.14E+00	1.07E+01	6.94E-05	1.39E-05
DIELDRIN	1.30E-02	6.63E+00	2.48E-02	7.21E-05	7.70E-02	7.70E-01	9.37E-04	9.37E-05
GAMMA-CHLORDANE	6.00E-03	5.00E+00	2.32E-02	2.35E-05	2.14E+00	1.07E+01	1.10E-05	2.19E-06
HEPTACHLOR EPOXIDE	3.00E-03	8.38E+00	2.48E-01	2.11E-04	NV	NV	#VALUE!	#VALUE!
Inorganics								
ARSENIC	3.70E-01	6.59E-01	2.50E-03	3.12E-05	2.46E+00	7.38E+00	1.27E-05	4.23E-06

NV - No Value Established
#VALUE! - Value could not be calculated

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D.2 ALTERNATE BENCHMARKS/TOXICITY DATA

APPENDIX D.2
ALTERANTE BENCHMARKS/TOXICITY DATA

This appendix presents the additional benchmarks/toxicity data that were used to evaluate the chemicals, which were retained as COPCs after the initial screening, to determine if the concentrations warrant further evaluation.

Sediment Benchmarks

Several of the sediment risk screening levels (i.e., ER-Ls, and LELs), that are used to select COPCs, are conservative because chemicals detected at concentrations below these levels are not expected to cause any adverse impacts to the benthic community. Because they are conservative, the sediment risk-screening levels are frequently less than background sediment concentrations. Since the objective of the risk screening is to determine if the chemicals at the site are causing a risk to ecological receptors, less conservative screening benchmarks (i.e., ER-Ms and PELs) were used to further evaluate the risk associated with chemicals that exceeded the conservative screening levels. The following paragraphs discuss the less conservative screening levels that were used to further evaluate chemicals retained as COPCs after the initial screening. Table D-4 presents the sediment benchmarks that are discussed in this ERA.

The Florida Department of Environmental Protection (MacDonald, 1994) has developed screening values in a manner similar to Long et al. (1995), except that the Florida values also incorporate chemical concentrations observed or predicted to be associated with no adverse biological effects (no effects data). Both sets of screening values were developed for estuarine and marine waters to protect aquatic organisms, including benthic macroinvertebrates, fish, and shellfish (Long et al., 1995). These guidelines establish the following two effects levels:

Threshold Effects Level (TEL): The TEL is the geometric mean of the 15th percentile in the effects data set and the 50th percentile in the no effects data set. It represents the upper limit of the range of sediment contaminant concentrations that are dominated by no effects data.

Probable Effects Level (PEL): The PEL is the geometric mean of the 50th percentile in the effects data set and the 85th percentile in the no effects data set. It represents the lower limit of the range of sediment contaminant concentrations that are usually or always associated with adverse biological effects.

The sediment screening level for a few of the chemicals is the Apparent Effects Threshold (AET), as presented in the Creation and Analysis of Freshwater Sediment Quality Values in Washington State (Cubbage et al., 1997). The AET is defined as the concentration of a given chemical above which

statistically significant ($p<0.05$) biological effects are always expected to occur (Cubbage et al., 1997). The study also generates Probable AETs (PAETs), which were defined as the 95th percentile of values from all stations with no significant biological effects and concentrations greater that the lowest hit level (Cubbage et al., 1997). The AETs and PAETs in Cubbage et al. (1997) are based on Microtox® bioassays or bioassays using amphipods, *Hyalella azteca*. The AETs/PAETs based on Microtox® bioassays are typically lower than the AETs based on amphipods. However, because one of the assessment endpoints for this SERA are benthic macroinvertebrates, the AETs/PAETs based on amphipods are more appropriate screening levels for determining the need for further evaluation of the chemicals at the sites. Table C-3 presents the AETs and PAETs based on amphipods.

AETs also were developed for the Puget Sound (Tetra Tech, 1986). For selenium, the AET for amphipods was listed as greater than 1.0, and the AET for benthic invertabrates was listed as greater than 63. AETs could not be developed for selenium because there were no impacted stations with chemical concentrations above the highest concentration among non-impacted stations.

The National Biological Service produced a set of benchmarks for the USEPA Great Lakes National Program Office as part of the Assessment and Remediation of Contaminated Sediment (ARCS) Project (USEPA, 1996 as cited in Jones, et al., 1997). The benchmarks were developed with the same procedures that were used to develop the ER-Ls and ER-Ms (Long et al., 1995), the TELs and PELs (MacDonald, 1994), and the AETs (Cubbage et al., 1997). The ARCS Threshold Effect Level (TEL) is similar to the ER-L and TEL. The ARCS Probable Effect Level (PEL) is similar to the ER-M and PEL. Finally, the high No Effect Concentration (NEC) is similar to the AET.

Finally, note that the freshwater and saltwater sediment benchmarks are often used interchangably because some studies have indicated that the relative sensitivities of saltwater and freshwater benthic invertebrates are similar.

Soil Chemical-Specific Alternate Benchmarks/Toxicity Data

The following sections discuss the alternate benchmarks that were used in the Step 3a evaluation for terrestrial plants and invertebrates. After the initial screening of chemicals was conducted, alternate benchmarks were used to re-evaluate the chemicals that were selected as COPCs to determine their potential for causing risks to ecological receptors. The following section presents the sources of the alternate benchmarks and is followed by chemical-specific sections that present the actual benchmarks. Also, the chemical-specific sections present additional toxicity data that was obtained from the literature.

- Dutch Intervention Values and Target Values – Soil Quality Standards (MHSPE, 2000)
- Canadian Soil Quality Guidelines (CCME, 1997)

- Oak Ridge National Laboratory Toxicological Benchmarks for Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision (Efroymson R.A. et al., 1997a)
- Oak Ridge National Laboratory Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision (Efroymson R.A. et al., 1997b)

The Intervention Values and Target Values – Soil Quality Standards were developed by the Netherlands Ministry of Housing, Spatial Planning, and Environment, Department of Soil Protection and will be referred to as the Dutch Screening Values (MHSPE, 2000). The Dutch Screening Values for surface soil consist of Target Values and Intervention Values. The Target Values are the soil quality levels that are ultimately desired (MHSPE, 2000). The values for heavy metals, arsenic, and fluoride were derived from analysis of field data from relatively pollution-free rural areas. The Intervention Values indicate the "concentration levels of the contaminants in the soil above which the functionality of the soil for human, plant, or animal life is seriously impaired or threatened" (MHSPE, 2000). The "ecotoxicological effects are quantified in terms of the concentrations in the soil at which 50% of the species actually (or potentially) occurring may undergo adverse effects" (MHSPE, 2000). The following equation is used to determine the criteria that indicate the need for further investigation (MHSPE, 2000):

$$\text{Criteria} = (\text{Intervention Value} + \text{Target Value})/2$$

The Canadian Soil Quality Guidelines were developed by the Canadian Council of Ministers of the Environment (CCME, 1997). They are derived using toxicological data to determine the threshold level for key receptors (CCME, 1997). The values are calculated for four land uses: agricultural, residential/parkland, commercial, and industrial. Exposure from direct soil contact is used to derive guidelines for the residential/parkland, commercial, and industrial land uses (CCME, 1997). However, the soil guidelines for the agricultural land use incorporates direct soil contact as well as soil and food ingestion (CCME, 1997). A more detailed discussion of the derivation of the soil quality guidelines is presented in A Protocol for the Derivation of Environmental and Human Health Soil Quality Guidelines (CCME, 1996).

The Toxicological Benchmarks for Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision (Efroymson R.A., et al., 1997a) and the Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision (Efroymson R.A. et al., 1997b) were developed by the Oak Ridge National Laboratory (ORNL). These benchmarks were intended to be used as screening values, and as such, may be overly conservative. They are based on a 20 percent reduction in growth, reproduction, or activity

(for invertebrates) or growth and yield (for plants) as the threshold for significant effects (Efroymson R.A. et al., 1997a, b).

4,4'-DDD, 4,4'-DDE, and 4,4'-DDT

- The Dutch target value is 0.0025 mg/kg, the intervention value is 4.0 mg/kg, and the intermediate value is 0.667 mg/kg (MHSPE, 2000). The original intermediate value was for total DDTs so the value was further divided by 3 to obtain a screening level of 0.667 for each individual "DDT" compound (i.e., 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT).
- An LD_{50} of 4.34 mg/kg to the first-instar nymphs of the common field cricket, *Gryllus pennsylvanicus*, when DDT is applied to the soil (Harris and Mazurek, 1964).

Chlordane

- The Intermediate value for chlordane is 2.0 mg/kg, which was calculated as discussed above as the average of the target value (0.00003 mg/kg) and the intervention value (4 mg/kg) (MHSPE, 2000).
- An LD_{50} of 0.89 mg/kg to the first-instar nymphs of the common field cricket, *Gryllus pennsylvanicus*, when the insecticide is applied to the soil (Harris and Mazurek, 1964).

Aldrin, Dieldrin, and Endrin

- The soil screening level of 0.005 mg/kg is the target value for total "drins", which includes aldrin, dieldrin, and endrins. The Intermediate value for total "drins" is 2.0 mg/kg, which was calculated as discussed above as the average of the target value (0.005 mg/kg) and the intervention value (4 mg/kg) (MHSPE, 2000).
- An LD_{50} of 0.17 mg/kg to the first-instar nymphs of the common field cricket, *Gryllus pennsylvanicus*, when aldrin is applied to the soil (Harris and Mazurek, 1964).

Heptachlor

- An LD_{50} of 0.22 mg/kg to the first-instar nymphs of the common field cricket, *Gryllus pennsylvanicus*, when heptachlor is applied to the soil (Harris and Mazurek, 1964).

PCBs

- The Dutch target value is 0.02 mg/kg, the intervention value is 1.0 mg/kg, and the intermediate value is 0.073 mg/kg (MHSPE, 2000). The original intermediate value was for total PCBs so the value was further divided by 7 to obtain a screening level of 0.073 mg/kg for each individual "PCB" compound. A large and significant decline in total microarthopod abundance was observed between Aroclor-1254 concentrations of 500 and 2,500 mg/kg. Therefore, the toxic threshold for PCBs lies somewhere between those concentrations (Parmelee et al., 1997).

- A 14-day laboratory bioassay with crickets yielded an LC50 value of 1,200 mg/kg for Aroclor-1254 (Paine et al., 1993).
- It was reported in Parmelee et al., (1997) that Rhett et al., (1988) reported LC50s of 530 mg/kg after 14 days and 366 mg/kg after 28 days for earthworms.
- 144 mg/kg was not toxic to two earthworm species after a 14-day laboratory bioassay, the EC50 for cocoon production was approximately 98 mg/kg, and the NOEC for cocoon production was approximately 72 mg/kg (Meier et al., 1997).
- 144 mg/kg inhibited lettuce seed germination, while germination was not inhibited at 108 mg/kg (Meier et al., 1997).

Arsenic

- The Canadian Soil Quality Guideline was 19 mg/kg which was set to protect plants and invertebrates through soil contact (CCME, 1993).
- Dutch Target Value of 29 mg/kg, which was based primarily on background concentrations for metals, and the Dutch Ecological Intervention Value of 40 mg/kg, which was defined as the Hazardous Concentration 50 (i.e., 50% of the ecosystem is threatened) (MHSPE, 2000).
- ORNL benchmark for earthworms of 60 mg/kg (Efroymson et al., 1997a). The study used to develop this benchmark was based on potassium arsenate as a solution being added to a soil. The arsenic in the solution would be more bioavailable than the arsenic in the soil at the sites.
- ORNL benchmark for plants of 10 mg/kg (Efroymson et al., 1997b). All of the studies used to develop the benchmark consisted of adding arsenic as a solution to the soil. The arsenic in the solution would be more bioavailable than the arsenic in the soil at the sites.

Chromium

- A value of 0.4 mg/kg was based on an earthworm study in which potassium dichromate [Cr(IV)] was added to the soil as a solution (Efroymson et al., 1997a). The result was a 75% decrease in earthworms at the 2 ppm concentration, which was divided by 5 to obtain the benchmark of 0.4 mg/kg (Efroymson et al., 1997a). It was reported that chromium in soil typically occurs as Cr(III) (ASTDR, 1987), which is stable in most soils (CCME, 1997).
- Canadian Soil Quality Guideline of 64 mg/kg, which was based on nutrient and energy cycling (CCME, 1997).
- Dutch Target Value of 100 mg/kg, which was based primarily on background concentrations for metals, and the Dutch Ecological Intervention Value of 230 mg/kg, which was defined as the Hazardous Concentration 50 (i.e., 50% of the ecosystem is threatened) (MHSPE, 2000).
- 1000 mg/kg total chromium decreased growth and cocoon production (CCME, 1997)
- 671 to 1400 mg/kg was the LC50 (lethal concentration at which 50 percent of the test organisms die) for earthworms (CCME, 1997)

- 21 and 31 mg/kg decreased yields by 50% in tomatoes and oats, respectively (CCME, 1997)
- 81 to 397 mg/kg reduced germination by 50% in radish and lettuce (CCME, 1997)
- 32 ppm chromium nitrate added to soil reduced growth of earthworms by 30%, while the cocoons/worm/week, the percentage of fertile cocoons, and juveniles/worm/week were reduced by 28%, 22%, and 51%, respectively, with 100 ppm chromium nitrate added to the soil (Efroymson et al., 1997a).
- 625 ppm of potassium chromium sulfate added to soil reduced the number of cocoons and hatchlings by 55%. Also, the mass gain of juveniles was reduced by 34% by 2,500 ppm Cr(III), but not by 625 ppm Cr(III) (Efroymson et al., 1997

TABLE D-4

SEDIMENT ECOLOGICAL EFFECTS LEVELS
POTENTIAL SOURCE OF CONTAMINATION 51 - GOLF COURSE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

	Long et al., 1995		OMOE, 1993		Cubbage et al., 1997			USEPA, 1996			MacDonald, 1994	
Chemical	**ER-L**	**ER-M**	**LEL**	**SEL[1]**	**AET**	**PAET**	**FSQV**	**TEC**	**PEC**	**NEC**	**TEL**	**PEL**
Pesticides/PCBs (mg/kg)												
4,4'-DDD			0.008	0.06							0.00122	0.00781
4,4'-DDE	0.0022	0.027	0.005	0.19							0.00207	0.374
Total DDT	0.00158	0.0461	0.007	0.12							0.00389	0.0517
Aldrin			0.002	0.08								
Chlordane			0.007	0.06							0.00226	0.00479
Alpha-Chlordane												
Gamma-Chlordane												
Dieldrin			0.002	0.91							0.00072	0.0043
Inorganics (mg/kg)												
Arsenic	8.2	70	6	33	150	19	0.057	12.1	57	92.9	7.24	41.6

Notes:

1 Values assume 1% organic carbon.

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APPENDIX E

ANALYTICAL DATA BY CATEGORY

E.1 REFERENCE TABLE - LOCATION/SAMPLE ID BY CATEGORY
E.2 ANALYTICAL DATA BY CATEGORY

E.1 REFERENCE TABLE - LOCATION/SAMPLE ID BY CATEGORY

All Samples

Location	Sample ID	Category
90S003	90S00301 [08/28/98]	R
CEF-P21-SS-009	CEF-P21-SS-009-01	T
CEF-P21-SS-013	CEF-P21-SS-013-01	R
CEF-P21-SS-014	CEF-P21-SS-014-01	R
CEF-P21-SS-103	CEF-P21-SS-103-01	T
CEF-P21-SS-103	CEF-P21-SS-601-01	T
CEF-P21-SS-104	CEF-P21-SS-104-01	T
CEF-P21-SS-105	CEF-P21-SS-105-01	R
CEF-P21-SS-106	CEF-P21-SS-106-01	R
CEF-P51-SS-001	CEF-P51-SS-001-01	W
CEF-P51-SS-002	CEF-P51-SS-002-01	W
CEF-P51-SS-003	CEF-P51-SS-003-01	W
CEF-P51-SS-004	CEF-P51-SS-004-01	W
CEF-P51-SS-005	CEF-P51-SS-005-01	W
CEF-P51-SS-006	CEF-P51-SS-006-01	W
CEF-P51-SS-007	CEF-P51-SS-007-01	W
CEF-P51-SS-008	CEF-P51-SS-008-01	R
CEF-P51-SS-009	CEF-P51-SS-009-01	R
CEF-P51-SS-010	CEF-P51-SS-010-01	R
CEF-P51-SS-011	CEF-P51-SS-011-01	T
CEF-P51-SS-012	CEF-P51-SS-012-01	G
CEF-P51-SS-013	CEF-P51-SS-013-01	T
CEF-P51-SS-014	CEF-P51-SS-014-01	G
CEF-P51-SS-014	CEF-P51-SS-201R-01	G
CEF-P51-SS-015	CEF-P51-SS-015-01	T
CEF-P51-SS-016	CEF-P51-SS-016-01	R
CEF-P51-SS-016	CEF-P51-SS-209R-01	R
CEF-P51-SS-017	CEF-P51-SS-017-01	G
CEF-P51-SS-101	CEF-P51-SS-101-01	W
CEF-P51-SS-102	CEF-P51-SS-102-01	W
CEF-P51-SS-103	CEF-P51-SS-103-01	W
CEF-P51-SS-104	CEF-P51-SS-104-01	W
CEF-P51-SS-105	CEF-P51-SS-105-01	W
CEF-P51-SS-106	CEF-P51-SS-106-01	W
CEF-P51-SS-107	CEF-P51-SS-107-01	W
CEF-P51-SS-108	CEF-P51-SS-108-01	W
CEF-P51-SS-109	CEF-P51-SS-109-01	W
CEF-P51-SS-110	CEF-P51-SS-110-01	W
CEF-P51-SS-111	CEF-P51-SS-111-01	W
CEF-P51-SS-112	CEF-P51-SS-112-01	R
CEF-P51-SS-113	CEF-P51-SS-113-01	W
CEF-P51-SS-114	CEF-P51-SS-114-01	W
CEF-P51-SS-115	CEF-P51-SS-115-01	W
CEF-P51-SS-116	CEF-P51-SS-116-01	W
CEF-P51-SS-117	CEF-P51-SS-117-01	R
CEF-P51-SS-118	CEF-P51-SS-118-01	F
CEF-P51-SS-119	CEF-P51-SS-119-01	R
CEF-P51-SS-120	CEF-P51-SS-120-01	W
CEF-P51-SS-121	CEF-P51-SS-121-01	W

All Samples

Location	Sample ID	Category
CEF-P51-SS-122	CEF-P51-SS-122-01	W
CEF-P51-SS-123	CEF-P51-SS-123-01	W
CEF-P51-SS-124	CEF-P51-SS-124-01	W
CEF-P51-SS-125	CEF-P51-SS-125-01	R
CEF-P51-SS-126	CEF-P51-SS-126-01	R
CEF-P51-SS-127	CEF-P51-SS-127-01	R
CEF-P51-SS-128	CEF-P51-SS-128-01	R
CEF-P51-SS-129	CEF-P51-SS-129-01	T
CEF-P51-SS-130	CEF-P51-SS-130-01	R
CEF-P51-SS-131	CEF-P51-SS-131-01	F
CEF-P51-SS-132	CEF-P51-SS-132-01	F
CEF-P51-SS-133	CEF-P51-SS-133-01	F
CEF-P51-SS-134	CEF-P51-SS-134-01	F
CEF-P51-SS-135	CEF-P51-SS-135-01	F
CEF-P51-SS-136	CEF-P51-SS-136-01	R
CEF-P51-SS-137	CEF-P51-SS-137-01	R
CEF-P51-SS-138	CEF-P51-SS-138-01	R
CEF-P51-SS-139	CEF-P51-SS-139-01	W
CEF-P51-SS-140	CEF-P51-SS-140-01	R
CEF-P51-SS-141	CEF-P51-SS-141-01	W
CEF-P51-SS-142	CEF-P51-SS-142-01	W
CEF-P51-SS-143	CEF-P51-SS-143-01	W
CEF-P51-SS-144	CEF-P51-SS-144-01	R
CEF-P51-SS-145	CEF-P51-SS-145-01	W
CEF-P51-SS-146	CEF-P51-SS-146-01	W
CEF-P51-SS-147	CEF-P51-SS-147-01	W
CEF-P51-SS-148	CEF-P51-SS-148-01	R
CEF-P51-SS-149	CEF-P51-SS-149-01	R
CEF-P51-SS-150	CEF-P51-SS-150-01	R
CEF-P51-SS-151	CEF-P51-SS-151-01	R
CEF-P51-SS-152	CEF-P51-SS-152-01	R
CEF-P51-SS-153	CEF-P51-SS-153-01	R
CEF-P51-SS-154	CEF-P51-SS-154-01	R
CEF-P51-SS-155	CEF-P51-SS-155-01	R
CEF-P51-SS-156	CEF-P51-SS-156-01	R
CEF-P51-SS-157	CEF-P51-SS-157-01	R
CEF-P51-SS-158	CEF-P51-SS-158-01	R
CEF-P51-SS-159	CEF-P51-SS-159-01	R
CEF-P51-SS-160	CEF-P51-SS-160-01	R
CEF-P51-SS-161	CEF-P51-SS-161-01	R
CEF-P51-SS-162	CEF-P51-SS-162-01	R
CEF-P51-SS-163	CEF-P51-SS-163-01	W
CEF-P51-SS-164	CEF-P51-SS-164-01	W
CEF-P51-SS-165	CEF-P51-SS-165-01	W
CEF-P51-SS-166	CEF-P51-SS-166-01	W
CEF-P51-SS-167	CEF-P51-SS-167-01	W
CEF-P51-SS-168	CEF-P51-SS-168-01	R
CEF-P51-SS-169	CEF-P51-SS-169-01	W
CEF-P51-SS-170	CEF-P51-SS-170-01	G

All Samples

Location	Sample ID	Category
CEF-P51-SS-171	CEF-P51-SS-171-01	R
CEF-P51-SS-172	CEF-P51-SS-172-01	R
CEF-P51-SS-173	CEF-P51-SS-173-01	F
CEF-P51-SS-174	CEF-P51-SS-174-01	F
CEF-P51-SS-175	CEF-P51-SS-175-01	F
CEF-P51-SS-176	CEF-P51-SS-176-01	R
CEF-P51-SS-177	CEF-P51-SS-177-01	R
CEF-P51-SS-178	CEF-P51-SS-178-01	R
CEF-P51-SS-179	CEF-P51-SS-179-01	T
CEF-P51-SS-180	CEF-P51-SS-180-01	R
CEF-P51-SS-181	CEF-P51-SS-181-01	R
CEF-P51-SS-182	CEF-P51-SS-182-01	R
CEF-P51-SS-183	CEF-P51-SS-183-01	W
CEF-P51-SS-184	CEF-P51-SS-184-01	W
CEF-P51-SS-185	CEF-P51-SS-185-01	W
CEF-P51-SS-186	CEF-P51-SS-186-01	W
CEF-P51-SS-187	CEF-P51-SS-187-01	W
CEF-P51-SS-188	CEF-P51-SS-188-01	W
CEF-P51-SS-189	CEF-P51-SS-189-01	W
CEF-P51-SS-190	CEF-P51-SS-190-01	R
CEF-P51-SS-191	CEF-P51-SS-191-01	W
CEF-P51-SS-192	CEF-P51-SS-192-01	R
CEF-P51-SS-193	CEF-P51-SS-193-01	R
CEF-P51-SS-194	CEF-P51-SS-194-01	R
CEF-P51-SS-195	CEF-P51-SS-195-01	R
CEF-P51-SS-196	CEF-P51-SS-196-01	W
CEF-P51-SS-197	CEF-P51-SS-197-01	W
CEF-P51-SS-198	CEF-P51-SS-198-01	R
CEF-P51-SS-199	CEF-P51-SS-199-01	W
CEF-P51-SS-200	CEF-P51-SS-200-01	W
CEF-P51-SS-201	CEF-P51-SS-201-01	W
CEF-P51-SS-202	CEF-P51-SS-202-01	R
CEF-P51-SS-203	CEF-P51-SS-203-01	W
CEF-P51-SS-204	CEF-P51-SS-204-01	R
CEF-P51-SS-205	CEF-P51-SS-205-01	W
CEF-P51-SS-206	CEF-P51-SS-206-01	W
CEF-P51-SS-207	CEF-P51-SS-207-01	W
CEF-P51-SS-208	CEF-P51-SS-208-01	W
CEF-P51-SS-209	CEF-P51-SS-209-01	W
CEF-P51-SS-210	CEF-P51-SS-210-01	W
CEF-P51-SS-211	CEF-P51-SS-211-01	W
CEF-P51-SS-212	CEF-P51-SS-212-01	R
CEF-P51-SS-213	CEF-P51-SS-213-01	R
CEF-P51-SS-214	CEF-P51-SS-214-01	R
CEF-P51-SS-215	CEF-P51-SS-215-01	F
CEF-P51-SS-216	CEF-P51-SS-216-01	F
CEF-P51-SS-217	CEF-P51-SS-217-01	F
CEF-P51-SS-218	CEF-P51-SS-218-01	R
CEF-P51-SS-219	CEF-P51-SS-219-01	W

All Samples

Location	Sample ID	Category
CEF-P51-SS-220	CEF-P51-SS-220-01	W
CEF-P51-SS-221	CEF-P51-SS-221-01	W
CEF-P51-SS-222	CEF-P51-SS-222-01	R
CEF-P51-SS-223	CEF-P51-SS-223-01	F
CEF-P51-SS-224	CEF-P51-SS-224-01	R
CEF-P51-SS-225	CEF-P51-SS-225-01	W
CEF-P51-SS-226	CEF-P51-SS-226-01	T
CEF-P51-SS-227	CEF-P51-SS-227-01	F
CEF-P51-SS-228	CEF-P51-SS-228-01	F
CEF-P51-SS-229	CEF-P51-SS-229-01	F
CEF-P51-SS-230	CEF-P51-SS-230-01	W
CEF-P51-SS-231	CEF-P51-SS-231-01	W
CEF-P51-SS-232	CEF-P51-SS-232-01	W
CEF-P51-SS-233	CEF-P51-SS-233-01	W
CEF-P51-SS-234	CEF-P51-SS-234-01	R
CEF-P51-SS-235	CEF-P51-SS-235-01	R
CEF-P51-SS-236	CEF-P51-SS-236-01	R
CEF-P51-SS-237	CEF-P51-SS-237-01	R
CEF-P51-SS-238	CEF-P51-SS-238-01	W
CEF-P51-SS-239	CEF-P51-SS-239-01	W
CEF-P51-SS-240	CEF-P51-SS-240-01	W
CEF-P51-SS-241	CEF-P51-SS-241-01	W
CEF-P51-SS-242	CEF-P51-SS-242-01	W
CEF-P51-SS-243	CEF-P51-SS-243-01	R
CEF-P51-SS-244	CEF-P51-SS-244-01	R
CEF-P51-SS-245	CEF-P51-SS-245-01	W
CEF-P51-SS-246	CEF-P51-SS-246-01	R
CEF-P51-SS-247	CEF-P51-SS-247-01	F
CEF-P51-SS-248	CEF-P51-SS-248-01	R
CEF-P51-SS-249	CEF-P51-SS-249-01	F
CEF-P51-SS-250	CEF-P51-SS-250-01	F
CEF-P51-SS-251	CEF-P51-SS-251-01	R
CEF-P51-SS-252	CEF-P51-SS-252-01	F
CEF-P51-SS-253	CEF-P51-SS-253-01	R
CEF-P51-SS-254	CEF-P51-SS-254-01	W
CEF-P51-SS-255	CEF-P51-SS-255-01	W
CEF-P51-SS-256	CEF-P51-SS-256-01	W
CEF-P51-SS-257	CEF-P51-SS-257-01	W
CEF-P51-SS-258	CEF-P51-SS-258-01	W
CEF-P51-SS-259	CEF-P51-SS-259-01	R
CEF-P51-SS-260	CEF-P51-SS-260-01	R
CEF-P51-SS-261	CEF-P51-SS-261-01	R
CEF-P51-SS-262	CEF-P51-SS-262-01	F
CEF-P51-SS-263	CEF-P51-SS-263-01	W
CEF-P51-SS-264	CEF-P51-SS-264-01	W
CEF-P51-SS-265	CEF-P51-SS-265-01	W
CEF-P51-SS-266	CEF-P51-SS-266-01	W
CEF-P51-SS-267	CEF-P51-SS-267-01	W
CEF-P51-SS-268	CEF-P51-SS-268-01	W

All Samples

Location	Sample ID	Category
CEF-P51-SS-269	CEF-P51-SS-269-01	R
CEF-P51-SS-270	CEF-P51-SS-270-01	F
CEF-P51-SS-271	CEF-P51-SS-271-01	R
CEF-P51-SS-272	CEF-P51-SS-272-01	W
CEF-P51-SS-273	CEF-P51-SS-273-01	W
CEF-P51-SS-274	CEF-P51-SS-274-01	W
CEF-P51-SS-275	CEF-P51-SS-275-01	W
CEF-P51-SS-276	CEF-P51-SS-276-01	W
CEF-P51-SS-277	CEF-P51-SS-277-01	W
CEF-P51-SS-278	CEF-P51-SS-278-01	W
CEF-P51-SS-279	CEF-P51-SS-279-01	W
CEF-P51-SS-280	CEF-P51-SS-280-01	R
CEF-P51-SS-281	CEF-P51-SS-281-01	F
CEF-P51-SS-282	CEF-P51-SS-282-01	F
CEF-P51-SS-283	CEF-P51-SS-283-01	R
CEF-P51-SS-284	CEF-P51-SS-284-01	W
CEF-P51-SS-285	CEF-P51-SS-285-01	R
CEF-P51-SS-286	CEF-P51-SS-286-01	W
CEF-P51-SS-287	CEF-P51-SS-287-01	W
CEF-P51-SS-288	CEF-P51-SS-288-01	W
CEF-P51-SS-289	CEF-P51-SS-289-01	W
CEF-P51-SS-290	CEF-P51-SS-290-01	W
CEF-P51-SS-291	CEF-P51-SS-291-01	W
CEF-P51-SS-292	CEF-P51-SS-292-01	W
CEF-P51-SS-293	CEF-P51-SS-293-01	W
CEF-P51-SS-294	CEF-P51-SS-294-01	R
CEF-P51-SS-295	CEF-P51-SS-295-01	W
CEF-P51-SS-296	CEF-P51-SS-296-01	W
CEF-P51-SS-297	CEF-P51-SS-297-01	W
CEF-P51-SS-298	CEF-P51-SS-298-01	W
CEF-P51-SS-299	CEF-P51-SS-299-01	R
CEF-P51-SS-300	CEF-P51-SS-300-01	W
CEF-P51-SS-301	CEF-P51-SS-301-01	W
CEF-P51-SS-302	CEF-P51-SS-302-01	W
CEF-P51-SS-303	CEF-P51-SS-303-01	W
CEF-P51-SS-304	CEF-P51-SS-304-01	W
CEF-P51-SS-305	CEF-P51-SS-305-01	R
CEF-P51-SS-306	CEF-P51-SS-306-01	R
CEF-P51-SS-307	CEF-P51-SS-307-01	W
CEF-P51-SS-308	CEF-P51-SS-308-01	W
CEF-P51-SS-309	CEF-P51-SS-309-01	W
CEF-P51-SS-310	CEF-P51-SS-310-01	W
CEF-P51-SS-311	CEF-P51-SS-311-01	F
CEF-P51-SS-312	CEF-P51-SS-312-01	R
CEF-P51-SS-313	CEF-P51-SS-313-01	W
CEF-P51-SS-314	CEF-P51-SS-314-01	W
CEF-P51-SS-315	CEF-P51-SS-315-01	R
CEF-P51-SS-316	CEF-P51-SS-316-01	R
CEF-P51-SS-317	CEF-P51-SS-317-01	W

All Samples

Location	Sample ID	Category
CEF-P51-SS-318	CEF-P51-SS-318-01	W
CEF-P51-SS-319	CEF-P51-SS-319-01	R
CEF-P51-SS-320	CEF-P51-SS-320-01	W
CEF-P51-SS-321	CEF-P51-SS-321-01	W
CEF-P51-SS-322	CEF-P51-SS-322-01	W
CEF-P51-SS-323	CEF-P51-SS-323-01	R
CEF-P51-SS-324	CEF-P51-SS-324-01	F
CEF-P51-SS-325	CEF-P51-SS-325-01	W
CEF-P51-SS-326	CEF-P51-SS-326-01	W
CEF-P51-SS-327	CEF-P51-SS-327-01	W
CEF-P51-SS-328	CEF-P51-SS-328-01	W
CEF-P51-SS-329	CEF-P51-SS-329-01	T
CEF-P51-SS-330	CEF-P51-SS-330-01	R
CEF-P51-SS-331	CEF-P51-SS-331-01	W
CEF-P51-SS-332	CEF-P51-SS-332-01	W
CEF-P51-SS-G01	CEF-P51-SS-G01-01	G
CEF-P51-SS-G02	CEF-P51-SS-203R-01	G
CEF-P51-SS-G02	CEF-P51-SS-G02-01	G
CEF-P51-SS-G03	CEF-P51-SS-G03-01	G
CEF-P51-SS-G04	CEF-P51-SS-G04-01	G
CEF-P51-SS-G05	CEF-P51-SS-G05-01	G
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	G
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	G
CEF-P51-SS-G07	CEF-P51-SS-G07-01	G
CEF-P51-SS-G08	CEF-P51-SS-G08-01	G
CEF-P51-SS-G09	CEF-P51-SS-G09-01	G
CEF-P51-SS-G10A	CEF-P51-SS-G10-01	G
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	G
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	G
CEF-P51-SS-G11	CEF-P51-SS-G11-01	G
CEF-P51-SS-G12	CEF-P51-SS-205R-01	G
CEF-P51-SS-G12	CEF-P51-SS-G12-01	G
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	F
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	G
CEF-P51-SS-G14A	CEF-P51-SS-G14-01	G
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	G
CEF-P51-SS-G15	CEF-P51-SS-G15-01	G
CEF-P51-SS-G16	CEF-P51-SS-202R-01	G
CEF-P51-SS-G16	CEF-P51-SS-G16-01	G
CEF-P51-SS-G17	CEF-P51-SS-206R-01	G
CEF-P51-SS-G17	CEF-P51-SS-G17-01	G
CEF-P51-SS-G18	CEF-P51-SS-G18-01	G
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	T
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	T
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	T
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	T
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	T
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	T
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	T

All Samples

Location	Sample ID	Category
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	T
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	T
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	T
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	T
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	T
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	T
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	T
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01	T
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	T
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	T
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	T
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	T
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	T
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	T
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01	T
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	T
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	T
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	T
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	T
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	T
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	T
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	T
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	T
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	T
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	T
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	T
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	T
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	T
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	T
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	T
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01	T
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	T
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	T
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	T
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	T
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	T
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	T
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01	T
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	T
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	T
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	T
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	T
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	T
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01	T
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	T

Tee Samples

Location	Sample ID
CEF-P21-SS-009	CEF-P21-SS-009-01
CEF-P21-SS-103	CEF-P21-SS-103-01
CEF-P21-SS-103	CEF-P21-SS-601-01
CEF-P21-SS-104	CEF-P21-SS-104-01
CEF-P51-SS-011	CEF-P51-SS-011-01
CEF-P51-SS-013	CEF-P51-SS-013-01
CEF-P51-SS-015	CEF-P51-SS-015-01
CEF-P51-SS-129	CEF-P51-SS-129-01
CEF-P51-SS-179	CEF-P51-SS-179-01
CEF-P51-SS-226	CEF-P51-SS-226-01
CEF-P51-SS-329	CEF-P51-SS-329-01
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01
CEF-P51-SS-T06R	CEF-P51-SS-208R-01
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01
CEF-P51-SS-T07B	CEF-P51-SS-207R-01
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01

Tee Samples

Location	Sample ID
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01

Green Samples

Location	Sample ID
CEF-P51-SS-012	CEF-P51-SS-012-01
CEF-P51-SS-014	CEF-P51-SS-014-01
CEF-P51-SS-014	CEF-P51-SS-201R-01
CEF-P51-SS-017	CEF-P51-SS-017-01
CEF-P51-SS-170	CEF-P51-SS-170-01
CEF-P51-SS-G01	CEF-P51-SS-G01-01
CEF-P51-SS-G02	CEF-P51-SS-203R-01
CEF-P51-SS-G02	CEF-P51-SS-G02-01
CEF-P51-SS-G03	CEF-P51-SS-G03-01
CEF-P51-SS-G04	CEF-P51-SS-G04-01
CEF-P51-SS-G05	CEF-P51-SS-G05-01
CEF-P51-SS-G06A	CEF-P51-SS-G06-01
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01
CEF-P51-SS-G07	CEF-P51-SS-G07-01
CEF-P51-SS-G08	CEF-P51-SS-G08-01
CEF-P51-SS-G09	CEF-P51-SS-G09-01
CEF-P51-SS-G10A	CEF-P51-SS-G10-01
CEF-P51-SS-G10B	CEF-P51-SS-204R-01
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01
CEF-P51-SS-G11	CEF-P51-SS-G11-01
CEF-P51-SS-G12	CEF-P51-SS-205R-01
CEF-P51-SS-G12	CEF-P51-SS-G12-01
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01
CEF-P51-SS-G14A	CEF-P51-SS-G14-01
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01
CEF-P51-SS-G15	CEF-P51-SS-G15-01
CEF-P51-SS-G16	CEF-P51-SS-202R-01
CEF-P51-SS-G16	CEF-P51-SS-G16-01
CEF-P51-SS-G17	CEF-P51-SS-206R-01
CEF-P51-SS-G17	CEF-P51-SS-G17-01
CEF-P51-SS-G18	CEF-P51-SS-G18-01

Fairway Samples

Location	Sample ID
CEF-P51-SS-118	CEF-P51-SS-118-01
CEF-P51-SS-131	CEF-P51-SS-131-01
CEF-P51-SS-132	CEF-P51-SS-132-01
CEF-P51-SS-133	CEF-P51-SS-133-01
CEF-P51-SS-134	CEF-P51-SS-134-01
CEF-P51-SS-135	CEF-P51-SS-135-01
CEF-P51-SS-173	CEF-P51-SS-173-01
CEF-P51-SS-174	CEF-P51-SS-174-01
CEF-P51-SS-175	CEF-P51-SS-175-01
CEF-P51-SS-215	CEF-P51-SS-215-01
CEF-P51-SS-216	CEF-P51-SS-216-01
CEF-P51-SS-217	CEF-P51-SS-217-01
CEF-P51-SS-223	CEF-P51-SS-223-01
CEF-P51-SS-227	CEF-P51-SS-227-01
CEF-P51-SS-228	CEF-P51-SS-228-01
CEF-P51-SS-229	CEF-P51-SS-229-01
CEF-P51-SS-247	CEF-P51-SS-247-01
CEF-P51-SS-249	CEF-P51-SS-249-01
CEF-P51-SS-250	CEF-P51-SS-250-01
CEF-P51-SS-252	CEF-P51-SS-252-01
CEF-P51-SS-262	CEF-P51-SS-262-01
CEF-P51-SS-270	CEF-P51-SS-270-01
CEF-P51-SS-281	CEF-P51-SS-281-01
CEF-P51-SS-282	CEF-P51-SS-282-01
CEF-P51-SS-311	CEF-P51-SS-311-01
CEF-P51-SS-324	CEF-P51-SS-324-01
CEF-P51-SS-G13A	CEF-P51-SS-G13-01

Rough Samples

Location	Sample ID
90S003	90S00301 [08/28/98]
CEF-P21-SS-013	CEF-P21-SS-013-01
CEF-P21-SS-014	CEF-P21-SS-014-01
CEF-P21-SS-105	CEF-P21-SS-105-01
CEF-P21-SS-106	CEF-P21-SS-106-01
CEF-P51-SS-008	CEF-P51-SS-008-01
CEF-P51-SS-009	CEF-P51-SS-009-01
CEF-P51-SS-010	CEF-P51-SS-010-01
CEF-P51-SS-016	CEF-P51-SS-016-01
CEF-P51-SS-016	CEF-P51-SS-209R-01
CEF-P51-SS-112	CEF-P51-SS-112-01
CEF-P51-SS-117	CEF-P51-SS-117-01
CEF-P51-SS-119	CEF-P51-SS-119-01
CEF-P51-SS-125	CEF-P51-SS-125-01
CEF-P51-SS-126	CEF-P51-SS-126-01
CEF-P51-SS-127	CEF-P51-SS-127-01
CEF-P51-SS-128	CEF-P51-SS-128-01
CEF-P51-SS-130	CEF-P51-SS-130-01
CEF-P51-SS-136	CEF-P51-SS-136-01
CEF-P51-SS-137	CEF-P51-SS-137-01
CEF-P51-SS-138	CEF-P51-SS-138-01
CEF-P51-SS-140	CEF-P51-SS-140-01
CEF-P51-SS-144	CEF-P51-SS-144-01
CEF-P51-SS-148	CEF-P51-SS-148-01
CEF-P51-SS-149	CEF-P51-SS-149-01
CEF-P51-SS-150	CEF-P51-SS-150-01
CEF-P51-SS-151	CEF-P51-SS-151-01
CEF-P51-SS-152	CEF-P51-SS-152-01
CEF-P51-SS-153	CEF-P51-SS-153-01
CEF-P51-SS-154	CEF-P51-SS-154-01
CEF-P51-SS-155	CEF-P51-SS-155-01
CEF-P51-SS-156	CEF-P51-SS-156-01
CEF-P51-SS-157	CEF-P51-SS-157-01
CEF-P51-SS-158	CEF-P51-SS-158-01
CEF-P51-SS-159	CEF-P51-SS-159-01
CEF-P51-SS-160	CEF-P51-SS-160-01
CEF-P51-SS-161	CEF-P51-SS-161-01
CEF-P51-SS-162	CEF-P51-SS-162-01
CEF-P51-SS-168	CEF-P51-SS-168-01
CEF-P51-SS-171	CEF-P51-SS-171-01
CEF-P51-SS-172	CEF-P51-SS-172-01
CEF-P51-SS-176	CEF-P51-SS-176-01
CEF-P51-SS-177	CEF-P51-SS-177-01
CEF-P51-SS-178	CEF-P51-SS-178-01
CEF-P51-SS-180	CEF-P51-SS-180-01
CEF-P51-SS-181	CEF-P51-SS-181-01
CEF-P51-SS-182	CEF-P51-SS-182-01
CEF-P51-SS-190	CEF-P51-SS-190-01

Rough Samples

Location	Sample ID
CEF-P51-SS-192	CEF-P51-SS-192-01
CEF-P51-SS-193	CEF-P51-SS-193-01
CEF-P51-SS-194	CEF-P51-SS-194-01
CEF-P51-SS-195	CEF-P51-SS-195-01
CEF-P51-SS-198	CEF-P51-SS-198-01
CEF-P51-SS-202	CEF-P51-SS-202-01
CEF-P51-SS-204	CEF-P51-SS-204-01
CEF-P51-SS-212	CEF-P51-SS-212-01
CEF-P51-SS-213	CEF-P51-SS-213-01
CEF-P51-SS-214	CEF-P51-SS-214-01
CEF-P51-SS-218	CEF-P51-SS-218-01
CEF-P51-SS-222	CEF-P51-SS-222-01
CEF-P51-SS-224	CEF-P51-SS-224-01
CEF-P51-SS-234	CEF-P51-SS-234-01
CEF-P51-SS-235	CEF-P51-SS-235-01
CEF-P51-SS-236	CEF-P51-SS-236-01
CEF-P51-SS-237	CEF-P51-SS-237-01
CEF-P51-SS-243	CEF-P51-SS-243-01
CEF-P51-SS-244	CEF-P51-SS-244-01
CEF-P51-SS-246	CEF-P51-SS-246-01
CEF-P51-SS-248	CEF-P51-SS-248-01
CEF-P51-SS-251	CEF-P51-SS-251-01
CEF-P51-SS-253	CEF-P51-SS-253-01
CEF-P51-SS-259	CEF-P51-SS-259-01
CEF-P51-SS-260	CEF-P51-SS-260-01
CEF-P51-SS-261	CEF-P51-SS-261-01
CEF-P51-SS-269	CEF-P51-SS-269-01
CEF-P51-SS-271	CEF-P51-SS-271-01
CEF-P51-SS-280	CEF-P51-SS-280-01
CEF-P51-SS-283	CEF-P51-SS-283-01
CEF-P51-SS-285	CEF-P51-SS-285-01
CEF-P51-SS-294	CEF-P51-SS-294-01
CEF-P51-SS-299	CEF-P51-SS-299-01
CEF-P51-SS-305	CEF-P51-SS-305-01
CEF-P51-SS-306	CEF-P51-SS-306-01
CEF-P51-SS-312	CEF-P51-SS-312-01
CEF-P51-SS-315	CEF-P51-SS-315-01
CEF-P51-SS-316	CEF-P51-SS-316-01
CEF-P51-SS-319	CEF-P51-SS-319-01
CEF-P51-SS-323	CEF-P51-SS-323-01
CEF-P51-SS-330	CEF-P51-SS-330-01

Woods Samples

Location	Sample ID
CEF-P51-SS-001	CEF-P51-SS-001-01
CEF-P51-SS-002	CEF-P51-SS-002-01
CEF-P51-SS-003	CEF-P51-SS-003-01
CEF-P51-SS-004	CEF-P51-SS-004-01
CEF-P51-SS-005	CEF-P51-SS-005-01
CEF-P51-SS-006	CEF-P51-SS-006-01
CEF-P51-SS-007	CEF-P51-SS-007-01
CEF-P51-SS-101	CEF-P51-SS-101-01
CEF-P51-SS-102	CEF-P51-SS-102-01
CEF-P51-SS-103	CEF-P51-SS-103-01
CEF-P51-SS-104	CEF-P51-SS-104-01
CEF-P51-SS-105	CEF-P51-SS-105-01
CEF-P51-SS-106	CEF-P51-SS-106-01
CEF-P51-SS-107	CEF-P51-SS-107-01
CEF-P51-SS-108	CEF-P51-SS-108-01
CEF-P51-SS-109	CEF-P51-SS-109-01
CEF-P51-SS-110	CEF-P51-SS-110-01
CEF-P51-SS-111	CEF-P51-SS-111-01
CEF-P51-SS-113	CEF-P51-SS-113-01
CEF-P51-SS-114	CEF-P51-SS-114-01
CEF-P51-SS-115	CEF-P51-SS-115-01
CEF-P51-SS-116	CEF-P51-SS-116-01
CEF-P51-SS-120	CEF-P51-SS-120-01
CEF-P51-SS-121	CEF-P51-SS-121-01
CEF-P51-SS-122	CEF-P51-SS-122-01
CEF-P51-SS-123	CEF-P51-SS-123-01
CEF-P51-SS-124	CEF-P51-SS-124-01
CEF-P51-SS-139	CEF-P51-SS-139-01
CEF-P51-SS-141	CEF-P51-SS-141-01
CEF-P51-SS-142	CEF-P51-SS-142-01
CEF-P51-SS-143	CEF-P51-SS-143-01
CEF-P51-SS-145	CEF-P51-SS-145-01
CEF-P51-SS-146	CEF-P51-SS-146-01
CEF-P51-SS-147	CEF-P51-SS-147-01
CEF-P51-SS-163	CEF-P51-SS-163-01
CEF-P51-SS-164	CEF-P51-SS-164-01
CEF-P51-SS-165	CEF-P51-SS-165-01
CEF-P51-SS-166	CEF-P51-SS-166-01
CEF-P51-SS-167	CEF-P51-SS-167-01
CEF-P51-SS-169	CEF-P51-SS-169-01
CEF-P51-SS-183	CEF-P51-SS-183-01
CEF-P51-SS-184	CEF-P51-SS-184-01
CEF-P51-SS-185	CEF-P51-SS-185-01
CEF-P51-SS-186	CEF-P51-SS-186-01
CEF-P51-SS-187	CEF-P51-SS-187-01
CEF-P51-SS-188	CEF-P51-SS-188-01
CEF-P51-SS-189	CEF-P51-SS-189-01
CEF-P51-SS-191	CEF-P51-SS-191-01

Woods Samples

Location	Sample ID
CEF-P51-SS-196	CEF-P51-SS-196-01
CEF-P51-SS-197	CEF-P51-SS-197-01
CEF-P51-SS-199	CEF-P51-SS-199-01
CEF-P51-SS-200	CEF-P51-SS-200-01
CEF-P51-SS-201	CEF-P51-SS-201-01
CEF-P51-SS-203	CEF-P51-SS-203-01
CEF-P51-SS-205	CEF-P51-SS-205-01
CEF-P51-SS-206	CEF-P51-SS-206-01
CEF-P51-SS-207	CEF-P51-SS-207-01
CEF-P51-SS-208	CEF-P51-SS-208-01
CEF-P51-SS-209	CEF-P51-SS-209-01
CEF-P51-SS-210	CEF-P51-SS-210-01
CEF-P51-SS-211	CEF-P51-SS-211-01
CEF-P51-SS-219	CEF-P51-SS-219-01
CEF-P51-SS-220	CEF-P51-SS-220-01
CEF-P51-SS-221	CEF-P51-SS-221-01
CEF-P51-SS-225	CEF-P51-SS-225-01
CEF-P51-SS-230	CEF-P51-SS-230-01
CEF-P51-SS-231	CEF-P51-SS-231-01
CEF-P51-SS-232	CEF-P51-SS-232-01
CEF-P51-SS-233	CEF-P51-SS-233-01
CEF-P51-SS-238	CEF-P51-SS-238-01
CEF-P51-SS-239	CEF-P51-SS-239-01
CEF-P51-SS-240	CEF-P51-SS-240-01
CEF-P51-SS-241	CEF-P51-SS-241-01
CEF-P51-SS-242	CEF-P51-SS-242-01
CEF-P51-SS-245	CEF-P51-SS-245-01
CEF-P51-SS-254	CEF-P51-SS-254-01
CEF-P51-SS-255	CEF-P51-SS-255-01
CEF-P51-SS-256	CEF-P51-SS-256-01
CEF-P51-SS-257	CEF-P51-SS-257-01
CEF-P51-SS-258	CEF-P51-SS-258-01
CEF-P51-SS-263	CEF-P51-SS-263-01
CEF-P51-SS-264	CEF-P51-SS-264-01
CEF-P51-SS-265	CEF-P51-SS-265-01
CEF-P51-SS-266	CEF-P51-SS-266-01
CEF-P51-SS-267	CEF-P51-SS-267-01
CEF-P51-SS-268	CEF-P51-SS-268-01
CEF-P51-SS-272	CEF-P51-SS-272-01
CEF-P51-SS-273	CEF-P51-SS-273-01
CEF-P51-SS-274	CEF-P51-SS-274-01
CEF-P51-SS-275	CEF-P51-SS-275-01
CEF-P51-SS-276	CEF-P51-SS-276-01
CEF-P51-SS-277	CEF-P51-SS-277-01
CEF-P51-SS-278	CEF-P51-SS-278-01
CEF-P51-SS-279	CEF-P51-SS-279-01
CEF-P51-SS-284	CEF-P51-SS-284-01
CEF-P51-SS-286	CEF-P51-SS-286-01

Woods Samples

Location	Sample ID
CEF-P51-SS-287	CEF-P51-SS-287-01
CEF-P51-SS-288	CEF-P51-SS-288-01
CEF-P51-SS-289	CEF-P51-SS-289-01
CEF-P51-SS-290	CEF-P51-SS-290-01
CEF-P51-SS-291	CEF-P51-SS-291-01
CEF-P51-SS-292	CEF-P51-SS-292-01
CEF-P51-SS-293	CEF-P51-SS-293-01
CEF-P51-SS-295	CEF-P51-SS-295-01
CEF-P51-SS-296	CEF-P51-SS-296-01
CEF-P51-SS-297	CEF-P51-SS-297-01
CEF-P51-SS-298	CEF-P51-SS-298-01
CEF-P51-SS-300	CEF-P51-SS-300-01
CEF-P51-SS-301	CEF-P51-SS-301-01
CEF-P51-SS-302	CEF-P51-SS-302-01
CEF-P51-SS-303	CEF-P51-SS-303-01
CEF-P51-SS-304	CEF-P51-SS-304-01
CEF-P51-SS-307	CEF-P51-SS-307-01
CEF-P51-SS-308	CEF-P51-SS-308-01
CEF-P51-SS-309	CEF-P51-SS-309-01
CEF-P51-SS-310	CEF-P51-SS-310-01
CEF-P51-SS-313	CEF-P51-SS-313-01
CEF-P51-SS-314	CEF-P51-SS-314-01
CEF-P51-SS-317	CEF-P51-SS-317-01
CEF-P51-SS-318	CEF-P51-SS-318-01
CEF-P51-SS-320	CEF-P51-SS-320-01
CEF-P51-SS-321	CEF-P51-SS-321-01
CEF-P51-SS-322	CEF-P51-SS-322-01
CEF-P51-SS-325	CEF-P51-SS-325-01
CEF-P51-SS-326	CEF-P51-SS-326-01
CEF-P51-SS-327	CEF-P51-SS-327-01
CEF-P51-SS-328	CEF-P51-SS-328-01
CEF-P51-SS-331	CEF-P51-SS-331-01
CEF-P51-SS-332	CEF-P51-SS-332-01

E.2 ANALTYICAL DATA BY CATEGORY

E.2.1 TEE

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-011	CEF-P51-SS-011-01	2,4,5-T	11	UJ
CEF-P51-SS-015	CEF-P51-SS-015-01	2,4,5-T	11	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	2,4,5-T	12	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	2,4,5-T	13	U
CEF-P51-SS-011	CEF-P51-SS-011-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-015	CEF-P51-SS-015-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	2,4,5-TP (SILVEX)	13	U
CEF-P51-SS-015	CEF-P51-SS-015-01	2,4-D	76	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	2,4-D	79	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	2,4-D	80	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	2,4-D	93	U
CEF-P51-SS-011	CEF-P51-SS-011-01	2,4-DB	110	UJ
CEF-P51-SS-015	CEF-P51-SS-015-01	2,4-DB	110	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	2,4-DB	120	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	2,4-DB	130	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	4,4'-DDD	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	4,4'-DDD	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	4,4'-DDD	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	4,4'-DDD	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	4,4'-DDD	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	4,4'-DDD	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	4,4'-DDD	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	4,4'-DDD	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	4,4'-DDD	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	4,4'-DDD	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	4,4'-DDD	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	4,4'-DDD	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	4,4'-DDD	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	4,4'-DDD	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	4,4'-DDD	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	4,4'-DDD	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	4,4'-DDD	7.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	4,4'-DDD	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	4,4'-DDD	14	U
CEF-P51-SS-226	CEF-P51-SS-226-01	4,4'-DDD	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	4,4'-DDD	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	4,4'-DDD	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	4,4'-DDD	18	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	4,4'-DDD	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	4,4'-DDD	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	4,4'-DDD	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	4,4'-DDD	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	4,4'-DDD	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	4,4'-DDD	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	4,4'-DDD	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	4,4'-DDD	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	4,4'-DDD	36	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	4,4'-DDD	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	4,4'-DDD	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	4,4'-DDD	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	4,4'-DDD	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	4,4'-DDD	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	4,4'-DDD	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	4,4'-DDD	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	4,4'-DDD	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	4,4'-DDD	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	4,4'-DDD	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	4,4'-DDD	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	4,4'-DDD	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	4,4'-DDD	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	4,4'-DDD	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	4,4'-DDD	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	4,4'-DDD	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	4,4'-DDD	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	4,4'-DDD	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	4,4'-DDD	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	4,4'-DDD	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	4,4'-DDD	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	4,4'-DDD	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	4,4'-DDD	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	4,4'-DDD	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	4,4'-DDD	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	4,4'-DDD	430	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	4,4'-DDD	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	4,4'-DDD	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	4,4'-DDD	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	4,4'-DDD	1900	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	4,4'-DDE	1.7	J
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	4,4'-DDE	2.7	J
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	4,4'-DDE	3.1	J
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	4,4'-DDE	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	4,4'-DDE	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	4,4'-DDE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	4,4'-DDE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	4,4'-DDE	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	4,4'-DDE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	4,4'-DDE	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	4,4'-DDE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	4,4'-DDE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	4,4'-DDE	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	4,4'-DDE	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	4,4'-DDE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	4,4'-DDE	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	4,4'-DDE	4	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	4,4'-DDE	6.85	J

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	4,4'-DDE	7.2	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	4,4'-DDE	7.6	J
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	4,4'-DDE	11.5	J
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	4,4'-DDE	14	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	4,4'-DDE	14	J
CEF-P51-SS-226	CEF-P51-SS-226-01	4,4'-DDE	15	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	4,4'-DDE	15.8	J
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	4,4'-DDE	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	4,4'-DDE	19	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	4,4'-DDE	19.6	
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	4,4'-DDE	23.1	J
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	4,4'-DDE	23.2	J
CEF-P51-SS-329	CEF-P51-SS-329-01	4,4'-DDE	25	
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	4,4'-DDE	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	4,4'-DDE	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	4,4'-DDE	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	4,4'-DDE	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	4,4'-DDE	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	4,4'-DDE	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	4,4'-DDE	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	4,4'-DDE	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	4,4'-DDE	39	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	4,4'-DDE	62.5	J
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	4,4'-DDE	74	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	4,4'-DDE	91.4	
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	4,4'-DDE	96.5	J
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	4,4'-DDE	104	J
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	4,4'-DDE	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	4,4'-DDE	140	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	4,4'-DDE	145	J
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	4,4'-DDE	155	J
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	4,4'-DDE	180	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	4,4'-DDE	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	4,4'-DDE	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	4,4'-DDE	200	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	4,4'-DDE	210	
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	4,4'-DDE	225	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	4,4'-DDE	269	J
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	4,4'-DDE	320	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	4,4'-DDE	370	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	4,4'-DDE	418	J
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	4,4'-DDE	430	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	4,4'-DDE	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	4,4'-DDE	1900	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	4,4'-DDT	3.1	J
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	4,4'-DDT	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	4,4'-DDT	3.7	UJ
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	4,4'-DDT	3.7	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-013	CEF-P51-SS-013-01	4,4'-DDT	3.8	UJ
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	4,4'-DDT	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	4,4'-DDT	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	4,4'-DDT	3.8	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	4,4'-DDT	4	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	4,4'-DDT	4.7	J
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	4,4'-DDT	7.2	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	4,4'-DDT	14	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	4,4'-DDT	15	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	4,4'-DDT	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	4,4'-DDT	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	4,4'-DDT	15	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	4,4'-DDT	16	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	4,4'-DDT	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	4,4'-DDT	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	4,4'-DDT	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	4,4'-DDT	19	U
CEF-P51-SS-329	CEF-P51-SS-329-01	4,4'-DDT	25.3	J
CEF-P21-SS-009	CEF-P21-SS-009-01	4,4'-DDT	28.7	J
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	4,4'-DDT	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	4,4'-DDT	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	4,4'-DDT	30.5	U
CEF-P51-SS-226	CEF-P51-SS-226-01	4,4'-DDT	36	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	4,4'-DDT	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	4,4'-DDT	36	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	4,4'-DDT	36	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	4,4'-DDT	37	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	4,4'-DDT	37	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	4,4'-DDT	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	4,4'-DDT	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	4,4'-DDT	39	UJ
CEF-P51-SS-179	CEF-P51-SS-179-01	4,4'-DDT	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	4,4'-DDT	39	U
CEF-P51-SS-129	CEF-P51-SS-129-01	4,4'-DDT	40	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	4,4'-DDT	56	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	4,4'-DDT	64.3	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	4,4'-DDT	74	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	4,4'-DDT	76.6	J
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	4,4'-DDT	77	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	4,4'-DDT	87.6	J
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	4,4'-DDT	92	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	4,4'-DDT	140	J
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	4,4'-DDT	140	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	4,4'-DDT	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	4,4'-DDT	180	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	4,4'-DDT	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	4,4'-DDT	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	4,4'-DDT	200	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	4,4'-DDT	225	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	4,4'-DDT	279	UJ
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	4,4'-DDT	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	4,4'-DDT	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	4,4'-DDT	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	4,4'-DDT	430	UJ
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	4,4'-DDT	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	4,4'-DDT	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	4,4'-DDT	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	4,4'-DDT	1900	U
CEF-P51-SS-015	CEF-P51-SS-015-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	4-NITROPHENOL	230	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	4-NITROPHENOL	230	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	4-NITROPHENOL	270	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ALDRIN	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ALDRIN	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ALDRIN	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ALDRIN	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ALDRIN	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ALDRIN	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ALDRIN	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ALDRIN	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ALDRIN	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ALDRIN	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ALDRIN	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ALDRIN	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ALDRIN	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ALDRIN	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ALDRIN	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ALDRIN	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ALDRIN	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ALDRIN	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ALDRIN	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ALDRIN	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ALDRIN	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ALDRIN	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ALDRIN	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ALDRIN	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ALDRIN	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ALDRIN	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ALDRIN	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ALDRIN	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ALDRIN	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ALDRIN	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ALDRIN	15	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ALDRIN	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ALDRIN	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ALDRIN	18	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-009	CEF-P21-SS-009-01	ALDRIN	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ALDRIN	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ALDRIN	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ALDRIN	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ALDRIN	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ALDRIN	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ALDRIN	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ALDRIN	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ALDRIN	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ALDRIN	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ALDRIN	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ALDRIN	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ALDRIN	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ALDRIN	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ALDRIN	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ALDRIN	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ALDRIN	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ALDRIN	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ALDRIN	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ALDRIN	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ALDRIN	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ALDRIN	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ALDRIN	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ALDRIN	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ALDRIN	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ALDRIN	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ALDRIN	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ALDRIN	950	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ALPHA-BHC	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ALPHA-BHC	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ALPHA-BHC	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ALPHA-BHC	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ALPHA-BHC	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ALPHA-BHC	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ALPHA-BHC	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ALPHA-BHC	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ALPHA-BHC	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ALPHA-BHC	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ALPHA-BHC	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ALPHA-BHC	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ALPHA-BHC	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ALPHA-BHC	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ALPHA-BHC	7.4	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ALPHA-BHC	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ALPHA-BHC	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ALPHA-BHC	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ALPHA-BHC	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ALPHA-BHC	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ALPHA-BHC	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ALPHA-BHC	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ALPHA-BHC	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ALPHA-BHC	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ALPHA-BHC	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ALPHA-BHC	15	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ALPHA-BHC	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ALPHA-BHC	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ALPHA-BHC	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ALPHA-BHC	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ALPHA-BHC	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ALPHA-BHC	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ALPHA-BHC	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ALPHA-BHC	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ALPHA-BHC	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ALPHA-BHC	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ALPHA-BHC	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ALPHA-BHC	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ALPHA-BHC	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ALPHA-BHC	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ALPHA-BHC	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ALPHA-BHC	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ALPHA-BHC	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ALPHA-BHC	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ALPHA-BHC	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ALPHA-BHC	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ALPHA-BHC	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ALPHA-BHC	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ALPHA-BHC	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ALPHA-BHC	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ALPHA-BHC	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ALPHA-BHC	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ALPHA-BHC	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ALPHA-BHC	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ALPHA-BHC	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ALPHA-BHC	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ALPHA-BHC	950	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ALPHA-CHLORDANE	3.1	J
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ALPHA-CHLORDANE	3.7	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ALPHA-CHLORDANE	6.3	
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ALPHA-CHLORDANE	7.2	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ALPHA-CHLORDANE	10	J
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ALPHA-CHLORDANE	10.2	J
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ALPHA-CHLORDANE	11	
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ALPHA-CHLORDANE	11.5	J
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ALPHA-CHLORDANE	14	J
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ALPHA-CHLORDANE	14.7	J
CEF-P51-SS-226	CEF-P51-SS-226-01	ALPHA-CHLORDANE	15	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ALPHA-CHLORDANE	15.525	
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ALPHA-CHLORDANE	18.5	J
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ALPHA-CHLORDANE	22.1	J
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ALPHA-CHLORDANE	23.5	J
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ALPHA-CHLORDANE	32.7	
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ALPHA-CHLORDANE	34.1	
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ALPHA-CHLORDANE	35.8	
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ALPHA-CHLORDANE	38.4	
CEF-P51-SS-011	CEF-P51-SS-011-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ALPHA-CHLORDANE	43.2	J
CEF-P51-SS-329	CEF-P51-SS-329-01	ALPHA-CHLORDANE	45.1	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ALPHA-CHLORDANE	47.9	
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ALPHA-CHLORDANE	50.4	
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ALPHA-CHLORDANE	50.8	J
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ALPHA-CHLORDANE	76.1	J
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ALPHA-CHLORDANE	93.2	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ALPHA-CHLORDANE	94.4	J
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ALPHA-CHLORDANE	95.1	
CEF-P21-SS-009	CEF-P21-SS-009-01	ALPHA-CHLORDANE	103	
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ALPHA-CHLORDANE	108	
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ALPHA-CHLORDANE	142	J
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ALPHA-CHLORDANE	155	J
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ALPHA-CHLORDANE	176	J
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ALPHA-CHLORDANE	190	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ALPHA-CHLORDANE	203	
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ALPHA-CHLORDANE	228	
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ALPHA-CHLORDANE	303	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ALPHA-CHLORDANE	408	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ALPHA-CHLORDANE	415	

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ALPHA-CHLORDANE	470.5	J
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ALPHA-CHLORDANE	525	J
CEF-P21-SS-104	CEF-P21-SS-104-01	ALPHA-CHLORDANE	590	
CEF-P21-SS-103	CEF-P21-SS-103-01	ALPHA-CHLORDANE	615	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ALPHA-CHLORDANE	1100	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ALPHA-CHLORDANE	1310	
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ALPHA-CHLORDANE	1660	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ALPHA-CHLORDANE	5870	
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1016	2000	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1016	2000	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1221	2000	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1221	2000	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1232	2000	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1232	2000	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1242	2000	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1242	2000	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1248	2000	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1248	2000	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1254	7900	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1254	7900	U
CEF-P21-SS-103	CEF-P21-SS-103-01	AROCLOR-1260	7900	U
CEF-P21-SS-104	CEF-P21-SS-104-01	AROCLOR-1260	7900	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ARSENIC	0.38	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ARSENIC	0.43	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ARSENIC	0.67	
CEF-P51-SS-129	CEF-P51-SS-129-01	ARSENIC	0.83	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ARSENIC	1	J
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ARSENIC	1	
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ARSENIC	1.3	
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ARSENIC	1.7	
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ARSENIC	1.7	
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ARSENIC	1.8	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ARSENIC	1.9	
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ARSENIC	1.9	J
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ARSENIC	1.9	
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ARSENIC	2	
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ARSENIC	2.5	
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ARSENIC	2.7	
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ARSENIC	2.7	
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ARSENIC	2.81	J
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ARSENIC	3.1	
CEF-P51-SS-015	CEF-P51-SS-015-01	ARSENIC	3.2	
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ARSENIC	3.2	
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ARSENIC	3.2	
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ARSENIC	3.2	
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ARSENIC	3.3	
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ARSENIC	3.4	
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ARSENIC	3.4	

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ARSENIC	3.5	
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ARSENIC	3.6	
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ARSENIC	3.6	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ARSENIC	3.8	
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ARSENIC	4	
CEF-P21-SS-009	CEF-P21-SS-009-01	ARSENIC	4.4	
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ARSENIC	4.5	
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ARSENIC	4.8	
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ARSENIC	4.8	
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ARSENIC	5.2	
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ARSENIC	5.2	
CEF-P51-SS-013	CEF-P51-SS-013-01	ARSENIC	5.3	
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ARSENIC	5.6	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ARSENIC	5.7	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ARSENIC	6	
CEF-P51-SS-329	CEF-P51-SS-329-01	ARSENIC	6.1	
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ARSENIC	6.35	
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ARSENIC	6.9	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ARSENIC	7	J
CEF-P51-SS-179	CEF-P51-SS-179-01	ARSENIC	7.7	
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ARSENIC	7.8	
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ARSENIC	8	J
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ARSENIC	9.8	
CEF-P21-SS-104	CEF-P21-SS-104-01	ARSENIC	9.9	
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ARSENIC	10	
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ARSENIC	11.6	J
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ARSENIC	11.85	
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ARSENIC	12.2	
CEF-P51-SS-226	CEF-P51-SS-226-01	ARSENIC	12.5	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ARSENIC	12.9	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ARSENIC	14.2	
CEF-P21-SS-103	CEF-P21-SS-103-01	ARSENIC	15.4	
CEF-P51-SS-011	CEF-P51-SS-011-01	ARSENIC	15.4	
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ARSENIC	17	
CEF-P21-SS-009	CEF-P21-SS-009-01	AZINPHOS METHYL	1700	U
CEF-P51-SS-015	CEF-P51-SS-015-01	BETA-BHC	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	BETA-BHC	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	BETA-BHC	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	BETA-BHC	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	BETA-BHC	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	BETA-BHC	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	BETA-BHC	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	BETA-BHC	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	BETA-BHC	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	BETA-BHC	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	BETA-BHC	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	BETA-BHC	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	BETA-BHC	1.9	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-129	CEF-P51-SS-129-01	BETA-BHC	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	BETA-BHC	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	BETA-BHC	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	BETA-BHC	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	BETA-BHC	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	BETA-BHC	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	BETA-BHC	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	BETA-BHC	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	BETA-BHC	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	BETA-BHC	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	BETA-BHC	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	BETA-BHC	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	BETA-BHC	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	BETA-BHC	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	BETA-BHC	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	BETA-BHC	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	BETA-BHC	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	BETA-BHC	15	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	BETA-BHC	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	BETA-BHC	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	BETA-BHC	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	BETA-BHC	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	BETA-BHC	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	BETA-BHC	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	BETA-BHC	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	BETA-BHC	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	BETA-BHC	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	BETA-BHC	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	BETA-BHC	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	BETA-BHC	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	BETA-BHC	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	BETA-BHC	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	BETA-BHC	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	BETA-BHC	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	BETA-BHC	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	BETA-BHC	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	BETA-BHC	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	BETA-BHC	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	BETA-BHC	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	BETA-BHC	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	BETA-BHC	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	BETA-BHC	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	BETA-BHC	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	BETA-BHC	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	BETA-BHC	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	BETA-BHC	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	BETA-BHC	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	BETA-BHC	575	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	BETA-BHC	950	U
CEF-P21-SS-009	CEF-P21-SS-009-01	BOLSTAR	360	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	CHLORDANE	18	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	CHLORDANE	18	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	CHLORDANE	18	U
CEF-P51-SS-179	CEF-P51-SS-179-01	CHLORDANE	19	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	CHLORDANE	19	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	CHLORDANE	19	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	CHLORDANE	19	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	CHLORDANE	19	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	CHLORDANE	19	U
CEF-P51-SS-129	CEF-P51-SS-129-01	CHLORDANE	20	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	CHLORDANE	20	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	CHLORDANE	26.8	
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	CHLORDANE	36	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	CHLORDANE	55.1	J
CEF-P51-SS-226	CEF-P51-SS-226-01	CHLORDANE	74	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	CHLORDANE	92	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	CHLORDANE	109	
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	CHLORDANE	126	J
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	CHLORDANE	127	
CEF-P21-SS-009	CEF-P21-SS-009-01	CHLORDANE	179.4	
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	CHLORDANE	180	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	CHLORDANE	180	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	CHLORDANE	190	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	CHLORDANE	194	
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	CHLORDANE	206	
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	CHLORDANE	215	
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	CHLORDANE	229	
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	CHLORDANE	239	J
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	CHLORDANE	239.5	
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	CHLORDANE	246	
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	CHLORDANE	246	
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	CHLORDANE	344	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	CHLORDANE	386	
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	CHLORDANE	467	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	CHLORDANE	488	
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	CHLORDANE	492	J
CEF-P51-SS-329	CEF-P51-SS-329-01	CHLORDANE	546	
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	CHLORDANE	613	J
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	CHLORDANE	676	
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	CHLORDANE	765	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	CHLORDANE	856	J
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	CHLORDANE	869	J
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	CHLORDANE	940	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	CHLORDANE	1080	
CEF-P21-SS-104	CEF-P21-SS-104-01	CHLORDANE	1094	
CEF-P21-SS-103	CEF-P21-SS-103-01	CHLORDANE	1131	

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	CHLORDANE	1540	J
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	CHLORDANE	1720	J
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	CHLORDANE	1800	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	CHLORDANE	1910	
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	CHLORDANE	2200	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	CHLORDANE	3070	J
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	CHLORDANE	3130	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	CHLORDANE	3470	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	CHLORDANE	7680	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	CHLORDANE	7980	
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	CHLORDANE	9500	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	CHLORDANE	12600	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	CHLORDANE	53400	
CEF-P21-SS-009	CEF-P21-SS-009-01	CHLORPYRIFOS	390	U
CEF-P21-SS-009	CEF-P21-SS-009-01	COUMAPHOS	2000	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DALAPON	220	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	DALAPON	230	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	DALAPON	230	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	DALAPON	270	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DELTA-BHC	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	DELTA-BHC	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	DELTA-BHC	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	DELTA-BHC	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	DELTA-BHC	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	DELTA-BHC	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	DELTA-BHC	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	DELTA-BHC	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	DELTA-BHC	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	DELTA-BHC	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	DELTA-BHC	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	DELTA-BHC	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	DELTA-BHC	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	DELTA-BHC	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	DELTA-BHC	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	DELTA-BHC	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	DELTA-BHC	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	DELTA-BHC	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	DELTA-BHC	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	DELTA-BHC	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	DELTA-BHC	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	DELTA-BHC	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	DELTA-BHC	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	DELTA-BHC	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	DELTA-BHC	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	DELTA-BHC	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	DELTA-BHC	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	DELTA-BHC	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	DELTA-BHC	15	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	DELTA-BHC	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	DELTA-BHC	15	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	DELTA-BHC	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	DELTA-BHC	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	DELTA-BHC	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	DELTA-BHC	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	DELTA-BHC	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	DELTA-BHC	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	DELTA-BHC	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	DELTA-BHC	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	DELTA-BHC	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	DELTA-BHC	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	DELTA-BHC	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	DELTA-BHC	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	DELTA-BHC	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	DELTA-BHC	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	DELTA-BHC	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	DELTA-BHC	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	DELTA-BHC	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	DELTA-BHC	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	DELTA-BHC	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	DELTA-BHC	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	DELTA-BHC	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	DELTA-BHC	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	DELTA-BHC	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	DELTA-BHC	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	DELTA-BHC	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	DELTA-BHC	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	DELTA-BHC	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	DELTA-BHC	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	DELTA-BHC	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	DELTA-BHC	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	DELTA-BHC	950	U
CEF-P21-SS-009	CEF-P21-SS-009-01	DEMETON	370	U
CEF-P21-SS-009	CEF-P21-SS-009-01	DIAZINON	750	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DICAMBA	22	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	DICAMBA	23	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	DICAMBA	23	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	DICAMBA	27	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DICHLOROPROP	54	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	DICHLOROPROP	57	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	DICHLOROPROP	57	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	DICHLOROPROP	67	U
CEF-P21-SS-009	CEF-P21-SS-009-01	DICHLORVOS	330	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	DIELDRIN	0.99	J
CEF-P51-SS-179	CEF-P51-SS-179-01	DIELDRIN	1.3	J
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	DIELDRIN	1.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	DIELDRIN	1.9	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	DIELDRIN	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	DIELDRIN	2	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DIELDRIN	2.1	
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	DIELDRIN	2.1	
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	DIELDRIN	2.4	
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	DIELDRIN	2.4	
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	DIELDRIN	4.2	
CEF-P51-SS-013	CEF-P51-SS-013-01	DIELDRIN	4.9	
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	DIELDRIN	5.4	
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	DIELDRIN	5.8	
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	DIELDRIN	13.7	
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	DIELDRIN	18	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	DIELDRIN	18.8	
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	DIELDRIN	19	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	DIELDRIN	24.9	
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	DIELDRIN	49.9	
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	DIELDRIN	52.6	
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	DIELDRIN	54	
CEF-P51-SS-329	CEF-P51-SS-329-01	DIELDRIN	61.3	
CEF-P51-SS-226	CEF-P51-SS-226-01	DIELDRIN	66.3	
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	DIELDRIN	69.8	
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	DIELDRIN	78.7	
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	DIELDRIN	84.1	
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	DIELDRIN	95.6	
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	DIELDRIN	97	
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	DIELDRIN	99.1	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	DIELDRIN	100	
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	DIELDRIN	116.5	
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	DIELDRIN	120	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	DIELDRIN	125	
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	DIELDRIN	130	
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	DIELDRIN	140.95	
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	DIELDRIN	146	
CEF-P51-SS-011	CEF-P51-SS-011-01	DIELDRIN	150	
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	DIELDRIN	150	
CEF-P21-SS-009	CEF-P21-SS-009-01	DIELDRIN	207	
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	DIELDRIN	255	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	DIELDRIN	272	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	DIELDRIN	282	J
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	DIELDRIN	433	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	DIELDRIN	510	
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	DIELDRIN	552	
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	DIELDRIN	563	
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	DIELDRIN	707	
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	DIELDRIN	770	
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	DIELDRIN	825	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	DIELDRIN	843	
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	DIELDRIN	926	

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	DIELDRIN	1003	
CEF-P21-SS-104	CEF-P21-SS-104-01	DIELDRIN	1420	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	DIELDRIN	1510	
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	DIELDRIN	1890	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	DIELDRIN	2310	
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	DIELDRIN	2320	
CEF-P21-SS-103	CEF-P21-SS-601-01	DIELDRIN	2540	
CEF-P21-SS-103	CEF-P21-SS-103-01	DIELDRIN	2790	
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	DIELDRIN	3820	
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	DIELDRIN	4820	J
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	DIELDRIN	7640	
CEF-P21-SS-009	CEF-P21-SS-009-01	DIMETHOATE	150	U
CEF-P51-SS-015	CEF-P51-SS-015-01	DINOSEB	22	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	DINOSEB	23	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	DINOSEB	23	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	DINOSEB	27	U
CEF-P21-SS-009	CEF-P21-SS-009-01	DISULFOTON	470	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDOSULFAN I	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDOSULFAN I	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDOSULFAN I	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDOSULFAN I	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDOSULFAN I	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDOSULFAN I	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDOSULFAN I	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDOSULFAN I	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDOSULFAN I	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDOSULFAN I	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDOSULFAN I	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDOSULFAN I	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDOSULFAN I	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDOSULFAN I	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDOSULFAN I	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDOSULFAN I	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDOSULFAN I	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDOSULFAN I	15	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDOSULFAN I	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDOSULFAN I	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDOSULFAN I	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDOSULFAN I	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDOSULFAN I	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDOSULFAN I	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDOSULFAN I	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDOSULFAN I	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDOSULFAN I	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDOSULFAN I	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDOSULFAN I	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDOSULFAN I	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDOSULFAN I	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDOSULFAN I	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDOSULFAN I	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDOSULFAN I	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDOSULFAN I	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDOSULFAN I	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDOSULFAN I	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDOSULFAN I	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDOSULFAN I	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDOSULFAN I	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDOSULFAN I	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDOSULFAN I	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDOSULFAN I	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDOSULFAN I	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDOSULFAN I	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDOSULFAN I	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDOSULFAN I	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDOSULFAN I	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDOSULFAN I	950	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDOSULFAN II	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDOSULFAN II	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDOSULFAN II	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDOSULFAN II	7.2	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDOSULFAN II	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDOSULFAN II	14	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDOSULFAN II	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDOSULFAN II	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDOSULFAN II	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDOSULFAN II	18	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDOSULFAN II	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDOSULFAN II	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDOSULFAN II	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDOSULFAN II	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDOSULFAN II	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDOSULFAN II	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDOSULFAN II	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDOSULFAN II	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDOSULFAN II	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDOSULFAN II	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDOSULFAN II	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDOSULFAN II	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDOSULFAN II	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDOSULFAN II	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDOSULFAN II	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDOSULFAN II	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDOSULFAN II	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDOSULFAN II	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDOSULFAN II	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDOSULFAN II	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDOSULFAN II	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDOSULFAN II	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDOSULFAN II	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDOSULFAN II	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDOSULFAN II	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDOSULFAN II	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDOSULFAN II	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDOSULFAN II	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDOSULFAN II	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDOSULFAN II	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDOSULFAN II	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDOSULFAN II	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDOSULFAN II	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDOSULFAN II	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDOSULFAN II	430	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDOSULFAN II	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDOSULFAN II	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDOSULFAN II	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDOSULFAN II	1900	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDOSULFAN SULFATE	3.6	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDOSULFAN SULFATE	3.8	UJ
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDOSULFAN SULFATE	7.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDOSULFAN SULFATE	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDOSULFAN SULFATE	14	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDOSULFAN SULFATE	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDOSULFAN SULFATE	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDOSULFAN SULFATE	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDOSULFAN SULFATE	18	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDOSULFAN SULFATE	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDOSULFAN SULFATE	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDOSULFAN SULFATE	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDOSULFAN SULFATE	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDOSULFAN SULFATE	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDOSULFAN SULFATE	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDOSULFAN SULFATE	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDOSULFAN SULFATE	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDOSULFAN SULFATE	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDOSULFAN SULFATE	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDOSULFAN SULFATE	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDOSULFAN SULFATE	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDOSULFAN SULFATE	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDOSULFAN SULFATE	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDOSULFAN SULFATE	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDOSULFAN SULFATE	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDOSULFAN SULFATE	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDOSULFAN SULFATE	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDOSULFAN SULFATE	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDOSULFAN SULFATE	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDOSULFAN SULFATE	200	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDOSULFAN SULFATE	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDOSULFAN SULFATE	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDOSULFAN SULFATE	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDOSULFAN SULFATE	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDOSULFAN SULFATE	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDOSULFAN SULFATE	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDOSULFAN SULFATE	430	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDOSULFAN SULFATE	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDOSULFAN SULFATE	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDOSULFAN SULFATE	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDOSULFAN SULFATE	1900	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDRIN	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDRIN	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDRIN	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDRIN	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDRIN	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDRIN	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDRIN	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDRIN	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDRIN	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDRIN	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDRIN	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDRIN	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDRIN	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDRIN	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDRIN	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDRIN	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDRIN	7.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDRIN	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDRIN	14	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDRIN	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDRIN	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDRIN	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDRIN	18	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDRIN	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDRIN	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDRIN	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDRIN	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDRIN	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDRIN	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDRIN	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDRIN	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDRIN	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDRIN	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDRIN	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDRIN	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDRIN	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDRIN	38	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDRIN	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDRIN	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDRIN	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDRIN	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDRIN	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDRIN	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDRIN	120	UJ
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDRIN	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDRIN	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDRIN	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDRIN	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDRIN	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDRIN	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDRIN	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDRIN	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDRIN	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDRIN	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDRIN	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDRIN	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDRIN	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDRIN	430	UJ
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDRIN	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDRIN	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDRIN	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDRIN	1900	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDRIN ALDEHYDE	7.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDRIN ALDEHYDE	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDRIN ALDEHYDE	14	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDRIN ALDEHYDE	15	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDRIN ALDEHYDE	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDRIN ALDEHYDE	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDRIN ALDEHYDE	18	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDRIN ALDEHYDE	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDRIN ALDEHYDE	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDRIN ALDEHYDE	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDRIN ALDEHYDE	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDRIN ALDEHYDE	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDRIN ALDEHYDE	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDRIN ALDEHYDE	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDRIN ALDEHYDE	30.5	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDRIN ALDEHYDE	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDRIN ALDEHYDE	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDRIN ALDEHYDE	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDRIN ALDEHYDE	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDRIN ALDEHYDE	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDRIN ALDEHYDE	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDRIN ALDEHYDE	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDRIN ALDEHYDE	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDRIN ALDEHYDE	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDRIN ALDEHYDE	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDRIN ALDEHYDE	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDRIN ALDEHYDE	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDRIN ALDEHYDE	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDRIN ALDEHYDE	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDRIN ALDEHYDE	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDRIN ALDEHYDE	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDRIN ALDEHYDE	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDRIN ALDEHYDE	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDRIN ALDEHYDE	370	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDRIN ALDEHYDE	430	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDRIN ALDEHYDE	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDRIN ALDEHYDE	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDRIN ALDEHYDE	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDRIN ALDEHYDE	1900	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	ENDRIN KETONE	3.8	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-129	CEF-P51-SS-129-01	ENDRIN KETONE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	ENDRIN KETONE	4	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	ENDRIN KETONE	4	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	ENDRIN KETONE	7.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	ENDRIN KETONE	7.8	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	ENDRIN KETONE	14	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	ENDRIN KETONE	15	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	ENDRIN KETONE	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	ENDRIN KETONE	18	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	ENDRIN KETONE	18	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	ENDRIN KETONE	18	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	ENDRIN KETONE	18	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	ENDRIN KETONE	19	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	ENDRIN KETONE	29	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	ENDRIN KETONE	29	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	ENDRIN KETONE	29	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	ENDRIN KETONE	30.5	U
CEF-P51-SS-226	CEF-P51-SS-226-01	ENDRIN KETONE	36	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	ENDRIN KETONE	36	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	ENDRIN KETONE	36	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	ENDRIN KETONE	37	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ENDRIN KETONE	38	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	ENDRIN KETONE	38	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	ENDRIN KETONE	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	ENDRIN KETONE	39	UJ
CEF-P51-SS-179	CEF-P51-SS-179-01	ENDRIN KETONE	39	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	ENDRIN KETONE	39	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	ENDRIN KETONE	39.35	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	ENDRIN KETONE	74	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	ENDRIN KETONE	77	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	ENDRIN KETONE	92	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	ENDRIN KETONE	120	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	ENDRIN KETONE	140	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	ENDRIN KETONE	180	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	ENDRIN KETONE	180	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	ENDRIN KETONE	180	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	ENDRIN KETONE	190	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	ENDRIN KETONE	190	U
CEF-P21-SS-103	CEF-P21-SS-103-01	ENDRIN KETONE	200	U
CEF-P21-SS-104	CEF-P21-SS-104-01	ENDRIN KETONE	200	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	ENDRIN KETONE	210	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	ENDRIN KETONE	225	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	ENDRIN KETONE	320	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	ENDRIN KETONE	360	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	ENDRIN KETONE	370	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	ENDRIN KETONE	430	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	ENDRIN KETONE	780	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	ENDRIN KETONE	960	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	ENDRIN KETONE	1140	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	ENDRIN KETONE	1900	U
CEF-P21-SS-009	CEF-P21-SS-009-01	EPN	170	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ETHOPROP	670	U
CEF-P21-SS-009	CEF-P21-SS-009-01	ETHYL PARATHION	180	U
CEF-P21-SS-009	CEF-P21-SS-009-01	FENSULFOTHION	1500	U
CEF-P21-SS-009	CEF-P21-SS-009-01	FENTHION	270	U
CEF-P51-SS-015	CEF-P51-SS-015-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	GAMMA-BHC (LINDANE)	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	GAMMA-BHC (LINDANE)	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	GAMMA-BHC (LINDANE)	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	GAMMA-BHC (LINDANE)	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	GAMMA-BHC (LINDANE)	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	GAMMA-BHC (LINDANE)	7.4	U
CEF-P51-SS-329	CEF-P51-SS-329-01	GAMMA-BHC (LINDANE)	9.2	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	GAMMA-BHC (LINDANE)	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	GAMMA-BHC (LINDANE)	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	GAMMA-BHC (LINDANE)	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	GAMMA-BHC (LINDANE)	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	GAMMA-BHC (LINDANE)	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	GAMMA-BHC (LINDANE)	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	GAMMA-BHC (LINDANE)	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	GAMMA-BHC (LINDANE)	15	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	GAMMA-BHC (LINDANE)	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	GAMMA-BHC (LINDANE)	19	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	GAMMA-BHC (LINDANE)	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	GAMMA-BHC (LINDANE)	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	GAMMA-BHC (LINDANE)	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	GAMMA-BHC (LINDANE)	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	GAMMA-BHC (LINDANE)	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	GAMMA-BHC (LINDANE)	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	GAMMA-BHC (LINDANE)	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	GAMMA-BHC (LINDANE)	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	GAMMA-BHC (LINDANE)	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	GAMMA-BHC (LINDANE)	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	GAMMA-BHC (LINDANE)	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	GAMMA-BHC (LINDANE)	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	GAMMA-BHC (LINDANE)	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	GAMMA-BHC (LINDANE)	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	GAMMA-BHC (LINDANE)	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	GAMMA-BHC (LINDANE)	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	GAMMA-BHC (LINDANE)	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	GAMMA-BHC (LINDANE)	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	GAMMA-BHC (LINDANE)	220	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	GAMMA-BHC (LINDANE)	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	GAMMA-BHC (LINDANE)	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	GAMMA-BHC (LINDANE)	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	GAMMA-BHC (LINDANE)	950	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	GAMMA-CHLORDANE	1.9	J
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	GAMMA-CHLORDANE	2.9	J
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-015	CEF-P51-SS-015-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-013	CEF-P51-SS-013-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-179	CEF-P51-SS-179-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	GAMMA-CHLORDANE	5.6	J
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	GAMMA-CHLORDANE	7.2	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	GAMMA-CHLORDANE	7.4	
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	GAMMA-CHLORDANE	8	J
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	GAMMA-CHLORDANE	9	J
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	GAMMA-CHLORDANE	9.2	J
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	GAMMA-CHLORDANE	9.55	J
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	GAMMA-CHLORDANE	9.6	J
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	GAMMA-CHLORDANE	14.8	J

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-226	CEF-P51-SS-226-01	GAMMA-CHLORDANE	15	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	GAMMA-CHLORDANE	19.675	
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	GAMMA-CHLORDANE	19.7	J
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	GAMMA-CHLORDANE	21	
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	GAMMA-CHLORDANE	21.1	
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	GAMMA-CHLORDANE	23.4	
CEF-P51-SS-329	CEF-P51-SS-329-01	GAMMA-CHLORDANE	24.7	
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	GAMMA-CHLORDANE	28.5	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	GAMMA-CHLORDANE	30.5	J
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	GAMMA-CHLORDANE	35.5	
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-011	CEF-P51-SS-011-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	GAMMA-CHLORDANE	45.6	J
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	GAMMA-CHLORDANE	47.2	
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	GAMMA-CHLORDANE	62	J
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	GAMMA-CHLORDANE	74.2	J
CEF-P21-SS-009	CEF-P21-SS-009-01	GAMMA-CHLORDANE	76.4	
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	GAMMA-CHLORDANE	77.3	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	GAMMA-CHLORDANE	114	J
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	GAMMA-CHLORDANE	116	J
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	GAMMA-CHLORDANE	118	J
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	GAMMA-CHLORDANE	128	
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	GAMMA-CHLORDANE	132	J
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	GAMMA-CHLORDANE	162	
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	GAMMA-CHLORDANE	190	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	GAMMA-CHLORDANE	202	J
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	GAMMA-CHLORDANE	292	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	GAMMA-CHLORDANE	330	
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	GAMMA-CHLORDANE	412.5	J
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	GAMMA-CHLORDANE	433	J
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	GAMMA-CHLORDANE	442	
CEF-P21-SS-104	CEF-P21-SS-104-01	GAMMA-CHLORDANE	504	
CEF-P21-SS-103	CEF-P21-SS-103-01	GAMMA-CHLORDANE	516	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	GAMMA-CHLORDANE	928	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	GAMMA-CHLORDANE	986	
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	GAMMA-CHLORDANE	1550	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	GAMMA-CHLORDANE	6030	
CEF-P51-SS-015	CEF-P51-SS-015-01	HEPTACHLOR	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	HEPTACHLOR	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	HEPTACHLOR	1.8	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	HEPTACHLOR	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	HEPTACHLOR	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	HEPTACHLOR	1.9	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	HEPTACHLOR	1.9	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	HEPTACHLOR	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	HEPTACHLOR	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	HEPTACHLOR	3.6	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	HEPTACHLOR	3.9	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	HEPTACHLOR	7.2	U
CEF-P51-SS-226	CEF-P51-SS-226-01	HEPTACHLOR	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	HEPTACHLOR	7.4	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	HEPTACHLOR	7.4	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	HEPTACHLOR	9.2	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	HEPTACHLOR	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	HEPTACHLOR	9.2	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	HEPTACHLOR	9.4	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	HEPTACHLOR	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	HEPTACHLOR	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	HEPTACHLOR	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	HEPTACHLOR	15	U
CEF-P51-SS-329	CEF-P51-SS-329-01	HEPTACHLOR	18	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	HEPTACHLOR	18	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	HEPTACHLOR	18	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	HEPTACHLOR	18	U
CEF-P21-SS-009	CEF-P21-SS-009-01	HEPTACHLOR	19	U
CEF-P51-SS-011	CEF-P51-SS-011-01	HEPTACHLOR	19	U
CEF-P51-SS-179	CEF-P51-SS-179-01	HEPTACHLOR	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	HEPTACHLOR	19	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	HEPTACHLOR	19	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	HEPTACHLOR	19.4	U
CEF-P51-SS-129	CEF-P51-SS-129-01	HEPTACHLOR	20	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	HEPTACHLOR	20	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	HEPTACHLOR	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	HEPTACHLOR	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	HEPTACHLOR	46	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	HEPTACHLOR	58	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	HEPTACHLOR	72	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	HEPTACHLOR	92	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	HEPTACHLOR	92	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	HEPTACHLOR	92	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	HEPTACHLOR	93	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	HEPTACHLOR	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	HEPTACHLOR	98	U
CEF-P21-SS-103	CEF-P21-SS-103-01	HEPTACHLOR	99	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	HEPTACHLOR	100	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	HEPTACHLOR	112	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	HEPTACHLOR	160	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	HEPTACHLOR	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	HEPTACHLOR	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	HEPTACHLOR	220	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	HEPTACHLOR	390	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	HEPTACHLOR	480	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	HEPTACHLOR	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	HEPTACHLOR	950	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	HEPTACHLOR EPOXIDE	1.4	J
CEF-P51-SS-015	CEF-P51-SS-015-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-013	CEF-P51-SS-013-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-179	CEF-P51-SS-179-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-129	CEF-P51-SS-129-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	HEPTACHLOR EPOXIDE	3.6	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	HEPTACHLOR EPOXIDE	3.9	J
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	HEPTACHLOR EPOXIDE	6.4	J
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	HEPTACHLOR EPOXIDE	7.2	
CEF-P51-SS-226	CEF-P51-SS-226-01	HEPTACHLOR EPOXIDE	7.4	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	HEPTACHLOR EPOXIDE	7.4	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	HEPTACHLOR EPOXIDE	8.5	J
CEF-P51-SS-329	CEF-P51-SS-329-01	HEPTACHLOR EPOXIDE	9.2	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	HEPTACHLOR EPOXIDE	9.2	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	HEPTACHLOR EPOXIDE	9.3	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	HEPTACHLOR EPOXIDE	9.4	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	HEPTACHLOR EPOXIDE	10	J
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	HEPTACHLOR EPOXIDE	12.5	J
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	HEPTACHLOR EPOXIDE	14	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	HEPTACHLOR EPOXIDE	15	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	HEPTACHLOR EPOXIDE	15	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	HEPTACHLOR EPOXIDE	15	U
CEF-P21-SS-009	CEF-P21-SS-009-01	HEPTACHLOR EPOXIDE	17	J
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-011	CEF-P51-SS-011-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	HEPTACHLOR EPOXIDE	19.1	J
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	HEPTACHLOR EPOXIDE	19.4	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	HEPTACHLOR EPOXIDE	20.3	J
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	HEPTACHLOR EPOXIDE	37	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	HEPTACHLOR EPOXIDE	38	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	HEPTACHLOR EPOXIDE	46	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	HEPTACHLOR EPOXIDE	47.2	J
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	HEPTACHLOR EPOXIDE	49	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	HEPTACHLOR EPOXIDE	58	U
CEF-P21-SS-103	CEF-P21-SS-103-01	HEPTACHLOR EPOXIDE	70.3	J
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	HEPTACHLOR EPOXIDE	78.2	J
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	HEPTACHLOR EPOXIDE	79.5	J
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	HEPTACHLOR EPOXIDE	92	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	HEPTACHLOR EPOXIDE	94	U
CEF-P21-SS-104	CEF-P21-SS-104-01	HEPTACHLOR EPOXIDE	98	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	HEPTACHLOR EPOXIDE	112	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	HEPTACHLOR EPOXIDE	131	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	HEPTACHLOR EPOXIDE	180	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	HEPTACHLOR EPOXIDE	180	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	HEPTACHLOR EPOXIDE	220	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	HEPTACHLOR EPOXIDE	231	J
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	HEPTACHLOR EPOXIDE	390	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	HEPTACHLOR EPOXIDE	575	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	HEPTACHLOR EPOXIDE	950	U
CEF-P21-SS-009	CEF-P21-SS-009-01	MALATHION	310	U
CEF-P51-SS-015	CEF-P51-SS-015-01	MCPA	4300	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	MCPA	4500	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	MCPA	4600	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	MCPA	5300	U
CEF-P51-SS-015	CEF-P51-SS-015-01	MCPP	5400	UJ
CEF-P51-SS-011	CEF-P51-SS-011-01	MCPP	5700	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	MCPP	5700	UJ
CEF-P21-SS-009	CEF-P21-SS-009-01	MCPP	6700	U
CEF-P21-SS-009	CEF-P21-SS-009-01	MERPHOS	590	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	METHOXYCHLOR	7.2	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	METHOXYCHLOR	7.3	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	METHOXYCHLOR	7.5	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	METHOXYCHLOR	7.6	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	METHOXYCHLOR	7.6	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	METHOXYCHLOR	7.7	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	METHOXYCHLOR	8	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	METHOXYCHLOR	14	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	METHOXYCHLOR	16	U
CEF-P51-SS-015	CEF-P51-SS-015-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	METHOXYCHLOR	19	UJ
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	METHOXYCHLOR	29	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	METHOXYCHLOR	30	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	METHOXYCHLOR	30	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	METHOXYCHLOR	30	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	METHOXYCHLOR	31	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	METHOXYCHLOR	32	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	METHOXYCHLOR	37	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	METHOXYCHLOR	37	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	METHOXYCHLOR	37	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	METHOXYCHLOR	38	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	METHOXYCHLOR	57	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	METHOXYCHLOR	58	U
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	METHOXYCHLOR	59	U
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	METHOXYCHLOR	60	U
CEF-P51-SS-226	CEF-P51-SS-226-01	METHOXYCHLOR	72	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	METHOXYCHLOR	72	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	METHOXYCHLOR	72	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	METHOXYCHLOR	72	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	METHOXYCHLOR	73	U
CEF-P51-SS-329	CEF-P51-SS-329-01	METHOXYCHLOR	74	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	METHOXYCHLOR	74	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	METHOXYCHLOR	75	U
CEF-P21-SS-009	CEF-P21-SS-009-01	METHOXYCHLOR	76	U
CEF-P51-SS-179	CEF-P51-SS-179-01	METHOXYCHLOR	77	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	METHOXYCHLOR	77	U
CEF-P51-SS-129	CEF-P51-SS-129-01	METHOXYCHLOR	79	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	METHOXYCHLOR	79	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	METHOXYCHLOR	111.5	U
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	METHOXYCHLOR	150	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	METHOXYCHLOR	150	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	METHOXYCHLOR	180	U
CEF-P51-SS-011	CEF-P51-SS-011-01	METHOXYCHLOR	190	UJ
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	METHOXYCHLOR	230	UJ
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	METHOXYCHLOR	290	U
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	METHOXYCHLOR	370	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	METHOXYCHLOR	370	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	METHOXYCHLOR	370	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	METHOXYCHLOR	370	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	METHOXYCHLOR	380	U
CEF-P21-SS-104	CEF-P21-SS-104-01	METHOXYCHLOR	390	U
CEF-P21-SS-103	CEF-P21-SS-103-01	METHOXYCHLOR	400	U
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	METHOXYCHLOR	410	U
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	METHOXYCHLOR	450	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	METHOXYCHLOR	640	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	METHOXYCHLOR	720	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	METHOXYCHLOR	730	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	METHOXYCHLOR	870	UJ
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	METHOXYCHLOR	1600	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	METHOXYCHLOR	1900	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	METHOXYCHLOR	2330	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	METHOXYCHLOR	3800	U
CEF-P21-SS-009	CEF-P21-SS-009-01	METHYL PARATHION	71	U
CEF-P21-SS-009	CEF-P21-SS-009-01	MEVINPHOS	590	U
CEF-P21-SS-009	CEF-P21-SS-009-01	NALED	1200	U
CEF-P51-SS-011	CEF-P51-SS-011-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-015	CEF-P51-SS-015-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-013	CEF-P51-SS-013-01	PENTACHLOROPHENOL	12	UJ

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-009	CEF-P21-SS-009-01	PENTACHLOROPHENOL	13	U
CEF-P21-SS-009	CEF-P21-SS-009-01	PHORATE	430	U
CEF-P21-SS-009	CEF-P21-SS-009-01	RONNEL	430	U
CEF-P21-SS-009	CEF-P21-SS-009-01	STIROFOS	2200	U
CEF-P21-SS-009	CEF-P21-SS-009-01	SULFOTEPP	290	U
CEF-P21-SS-009	CEF-P21-SS-009-01	TEPP	2000	U
CEF-P21-SS-009	CEF-P21-SS-009-01	TOKUTHION	630	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	TOTAL PESTICIDES	0.99	
CEF-P51-SS-179	CEF-P51-SS-179-01	TOTAL PESTICIDES	1.3	
CEF-P51-SS-015	CEF-P51-SS-015-01	TOTAL PESTICIDES	2.1	
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	TOTAL PESTICIDES	2.1	
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	TOTAL PESTICIDES	2.4	
CEF-P51-SS-013	CEF-P51-SS-013-01	TOTAL PESTICIDES	4.9	
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	TOTAL PESTICIDES	5.8	
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	TOTAL PESTICIDES	10	
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	TOTAL PESTICIDES	27	
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	TOTAL PESTICIDES	35.2	
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	TOTAL PESTICIDES	52.6	
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	TOTAL PESTICIDES	63.6	
CEF-P51-SS-226	CEF-P51-SS-226-01	TOTAL PESTICIDES	66.3	
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	TOTAL PESTICIDES	114.9	
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	TOTAL PESTICIDES	142.5	
CEF-P51-SS-011	CEF-P51-SS-011-01	TOTAL PESTICIDES	150	
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	TOTAL PESTICIDES	176.5	
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	TOTAL PESTICIDES	201.8	
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	TOTAL PESTICIDES	347.1	
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	TOTAL PESTICIDES	347.7	
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	TOTAL PESTICIDES	375.8	
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	TOTAL PESTICIDES	383.55	
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	TOTAL PESTICIDES	398.4	
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	TOTAL PESTICIDES	407.7	
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	TOTAL PESTICIDES	416.5	
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	TOTAL PESTICIDES	422.5	
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	TOTAL PESTICIDES	537.9	
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	TOTAL PESTICIDES	558	
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	TOTAL PESTICIDES	671.4	
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	TOTAL PESTICIDES	692.2	
CEF-P51-SS-329	CEF-P51-SS-329-01	TOTAL PESTICIDES	727.4	
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	TOTAL PESTICIDES	731.7	
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	TOTAL PESTICIDES	926	
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	TOTAL PESTICIDES	1082.3	
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	TOTAL PESTICIDES	1189.4	
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	TOTAL PESTICIDES	1213.4	
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	TOTAL PESTICIDES	1301.4	
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	TOTAL PESTICIDES	1615.5	
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	TOTAL PESTICIDES	1733.1	
CEF-P21-SS-009	CEF-P21-SS-009-01	TOTAL PESTICIDES	2111.5	
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	TOTAL PESTICIDES	2157.2	

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	TOTAL PESTICIDES	2182	
CEF-P21-SS-103	CEF-P21-SS-601-01	TOTAL PESTICIDES	2540	
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	TOTAL PESTICIDES	2607	
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	TOTAL PESTICIDES	3343	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	TOTAL PESTICIDES	5086	
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	TOTAL PESTICIDES	5556.9	
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	TOTAL PESTICIDES	6782	
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	TOTAL PESTICIDES	7243	
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	TOTAL PESTICIDES	8598	
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	TOTAL PESTICIDES	11097.1	
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	TOTAL PESTICIDES	11296.2	
CEF-P21-SS-103	CEF-P21-SS-103-01	TOTAL PESTICIDES	12652.3	
CEF-P21-SS-104	CEF-P21-SS-104-01	TOTAL PESTICIDES	13498	
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	TOTAL PESTICIDES	14886.5	
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	TOTAL PESTICIDES	19899	
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	TOTAL PESTICIDES	66231	
CEF-P21-SS-009	CEF-P21-SS-009-01	TOTAL PETROLEUM HYD	95	U
CEF-P51-SS-015	CEF-P51-SS-015-01	TOXAPHENE	180	U
CEF-P51-SS-T04W	CEF-P51-SS-T04W-01	TOXAPHENE	180	U
CEF-P51-SS-T14R	CEF-P51-SS-T14R-01	TOXAPHENE	180	U
CEF-P51-SS-T15W	CEF-P51-SS-T15W-01	TOXAPHENE	180	U
CEF-P51-SS-T16W	CEF-P51-SS-T16W-01	TOXAPHENE	180	U
CEF-P51-SS-013	CEF-P51-SS-013-01	TOXAPHENE	190	U
CEF-P51-SS-179	CEF-P51-SS-179-01	TOXAPHENE	190	U
CEF-P51-SS-T02B	CEF-P51-SS-T02B-01	TOXAPHENE	190	U
CEF-P51-SS-T02R	CEF-P51-SS-T02R-01	TOXAPHENE	190	U
CEF-P51-SS-T03B	CEF-P51-SS-T03B-01	TOXAPHENE	190	U
CEF-P51-SS-T08R	CEF-P51-SS-T08R-01	TOXAPHENE	190	U
CEF-P51-SS-T09R	CEF-P51-SS-T09R-01	TOXAPHENE	190	U
CEF-P51-SS-T18B	CEF-P51-SS-T18B-01	TOXAPHENE	190	U
CEF-P51-SS-129	CEF-P51-SS-129-01	TOXAPHENE	200	U
CEF-P51-SS-T03R	CEF-P51-SS-T03R-01	TOXAPHENE	200	U
CEF-P51-SS-T16R	CEF-P51-SS-T16R-01	TOXAPHENE	200	U
CEF-P51-SS-T18W	CEF-P51-SS-T18W-01	TOXAPHENE	360	U
CEF-P51-SS-T01W	CEF-P51-SS-T01W-01	TOXAPHENE	390	U
CEF-P51-SS-T10W	CEF-P51-SS-T10W-01	TOXAPHENE	720	U
CEF-P51-SS-226	CEF-P51-SS-226-01	TOXAPHENE	740	U
CEF-P51-SS-T05R	CEF-P51-SS-T05R-01	TOXAPHENE	740	U
CEF-P51-SS-T06W	CEF-P51-SS-T06W-01	TOXAPHENE	740	U
CEF-P51-SS-329	CEF-P51-SS-329-01	TOXAPHENE	920	U
CEF-P51-SS-T04B	CEF-P51-SS-T04B-01	TOXAPHENE	920	U
CEF-P51-SS-T11W	CEF-P51-SS-T11W-01	TOXAPHENE	920	U
CEF-P51-SS-T18R	CEF-P51-SS-T18R-01-AVG	TOXAPHENE	920	U
CEF-P51-SS-T15B	CEF-P51-SS-T15B-01	TOXAPHENE	940	U
CEF-P51-SS-T15R	CEF-P51-SS-T15R-01	TOXAPHENE	1400	U
CEF-P21-SS-009	CEF-P21-SS-009-01	TOXAPHENE	1500	J
CEF-P51-SS-T12B	CEF-P51-SS-T12B-01	TOXAPHENE	1500	U
CEF-P51-SS-T12R	CEF-P51-SS-T12R-01	TOXAPHENE	1500	U

TEE SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-T13R	CEF-P51-SS-T13R-01-AVG	TOXAPHENE	1500	U
CEF-P51-SS-T09W	CEF-P51-SS-T09W-01	TOXAPHENE	1800	U
CEF-P51-SS-T11B	CEF-P51-SS-T11B-01	TOXAPHENE	1800	U
CEF-P51-SS-T11R	CEF-P51-SS-T11R-01	TOXAPHENE	1800	U
CEF-P51-SS-011	CEF-P51-SS-011-01	TOXAPHENE	1900	U
CEF-P51-SS-T14W	CEF-P51-SS-T14W-01	TOXAPHENE	1900	U
CEF-P51-SS-T07R	CEF-P51-SS-T07R-01-AVG	TOXAPHENE	1940	U
CEF-P51-SS-T01R	CEF-P51-SS-T01R-01	TOXAPHENE	2000	U
CEF-P51-SS-T17B	CEF-P51-SS-T17B-01	TOXAPHENE	3360	J
CEF-P51-SS-T03W	CEF-P51-SS-T03W-01	TOXAPHENE	3700	U
CEF-P51-SS-T12W	CEF-P51-SS-T12W-01	TOXAPHENE	3800	U
CEF-P51-SS-T04R	CEF-P51-SS-T04R-01	TOXAPHENE	4600	U
CEF-P51-SS-T07B	CEF-P51-SS-207R-01	TOXAPHENE	5800	U
CEF-P51-SS-T10R	CEF-P51-SS-T10R-01	TOXAPHENE	7200	U
CEF-P21-SS-103	CEF-P21-SS-103-01	TOXAPHENE	7530	J
CEF-P51-SS-T02W	CEF-P51-SS-T02W-01	TOXAPHENE	9200	U
CEF-P51-SS-T05B	CEF-P51-SS-T05B-01	TOXAPHENE	9200	U
CEF-P51-SS-T09B	CEF-P51-SS-T09B-01	TOXAPHENE	9300	U
CEF-P51-SS-T17R	CEF-P51-SS-T17R-01	TOXAPHENE	9400	U
CEF-P21-SS-104	CEF-P21-SS-104-01	TOXAPHENE	9890	
CEF-P51-SS-T10B	CEF-P51-SS-T10B-01	TOXAPHENE	10000	U
CEF-P51-SS-T13B	CEF-P51-SS-T13B-01	TOXAPHENE	10300	J
CEF-P51-SS-T16B	CEF-P51-SS-T16B-01-AVG	TOXAPHENE	11200	U
CEF-P51-SS-T01B	CEF-P51-SS-T01B-01	TOXAPHENE	16000	U
CEF-P51-SS-T08B	CEF-P51-SS-T08B-01	TOXAPHENE	18000	U
CEF-P51-SS-T14B	CEF-P51-SS-T14B-01	TOXAPHENE	18000	U
CEF-P51-SS-T06R	CEF-P51-SS-208R-01	TOXAPHENE	22000	U
CEF-P51-SS-T07B	CEF-P51-SS-T07B-01	TOXAPHENE	39000	U
CEF-P51-SS-T06B	CEF-P51-SS-T06B-01	TOXAPHENE	48000	U
CEF-P51-SS-T05W	CEF-P51-SS-T05W-01-AVG	TOXAPHENE	57500	U
CEF-P51-SS-T06R	CEF-P51-SS-T06R-01	TOXAPHENE	95000	U
CEF-P21-SS-009	CEF-P21-SS-009-01	TRICHLORONATE	370	U
CEF-P21-SS-009	CEF-P21-SS-009-01	VANADIUM	1.7	

E.2.2 GREEN

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-012	CEF-P51-SS-012-01	2,4,5-T	12	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	2,4,5-T	12	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	2,4,5-T	12	UJ
CEF-P51-SS-012	CEF-P51-SS-012-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P51-SS-012	CEF-P51-SS-012-01	2,4-D	82	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	2,4-D	87	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	2,4-D	88	UJ
CEF-P51-SS-012	CEF-P51-SS-012-01	2,4-DB	120	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	2,4-DB	120	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	2,4-DB	120	UJ
CEF-P51-SS-G15	CEF-P51-SS-G15-01	4,4'-DDD	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	4,4'-DDD	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	4,4'-DDD	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	4,4'-DDD	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	4,4'-DDD	39	U
CEF-P51-SS-170	CEF-P51-SS-170-01	4,4'-DDD	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	4,4'-DDD	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	4,4'-DDD	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	4,4'-DDD	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	4,4'-DDD	310	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	4,4'-DDD	325	J
CEF-P51-SS-G01	CEF-P51-SS-G01-01	4,4'-DDD	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	4,4'-DDD	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	4,4'-DDD	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	4,4'-DDD	460	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	4,4'-DDD	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	4,4'-DDD	770	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	4,4'-DDD	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	4,4'-DDD	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	4,4'-DDD	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	4,4'-DDD	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	4,4'-DDD	810	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	4,4'-DDD	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	4,4'-DDD	980	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	4,4'-DDD	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	4,4'-DDD	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	4,4'-DDD	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	4,4'-DDD	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	4,4'-DDD	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	4,4'-DDD	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	4,4'-DDD	2100	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	4,4'-DDE	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	4,4'-DDE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	4,4'-DDE	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	4,4'-DDE	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	4,4'-DDE	39	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G08	CEF-P51-SS-G08-01	4,4'-DDE	43.7	J
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	4,4'-DDE	88.2	J
CEF-P51-SS-G03	CEF-P51-SS-G03-01	4,4'-DDE	93.8	J
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	4,4'-DDE	126	J
CEF-P51-SS-170	CEF-P51-SS-170-01	4,4'-DDE	180	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	4,4'-DDE	222	J
CEF-P51-SS-G05	CEF-P51-SS-G05-01	4,4'-DDE	252	J
CEF-P51-SS-014	CEF-P51-SS-201R-01	4,4'-DDE	280	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	4,4'-DDE	436	J
CEF-P51-SS-G16	CEF-P51-SS-202R-01	4,4'-DDE	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	4,4'-DDE	460	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	4,4'-DDE	482	J
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	4,4'-DDE	523	J
CEF-P51-SS-G04	CEF-P51-SS-G04-01	4,4'-DDE	533	J
CEF-P51-SS-G11	CEF-P51-SS-G11-01	4,4'-DDE	651	J
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	4,4'-DDE	711	J
CEF-P51-SS-G17	CEF-P51-SS-G17-01	4,4'-DDE	715	J
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	4,4'-DDE	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	4,4'-DDE	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	4,4'-DDE	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	4,4'-DDE	810	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	4,4'-DDE	812	
CEF-P51-SS-G18	CEF-P51-SS-G18-01	4,4'-DDE	858	J
CEF-P51-SS-G07	CEF-P51-SS-G07-01	4,4'-DDE	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	4,4'-DDE	980	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	4,4'-DDE	1500	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	4,4'-DDT	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	4,4'-DDT	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	4,4'-DDT	15	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	4,4'-DDT	37	U
CEF-P51-SS-017	CEF-P51-SS-017-01	4,4'-DDT	39	UJ
CEF-P51-SS-G08	CEF-P51-SS-G08-01	4,4'-DDT	190	U
CEF-P51-SS-170	CEF-P51-SS-170-01	4,4'-DDT	197	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	4,4'-DDT	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	4,4'-DDT	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	4,4'-DDT	310	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	4,4'-DDT	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	4,4'-DDT	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	4,4'-DDT	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	4,4'-DDT	460	UJ
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	4,4'-DDT	563	J
CEF-P51-SS-G05	CEF-P51-SS-G05-01	4,4'-DDT	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	4,4'-DDT	770	UJ
CEF-P51-SS-G04	CEF-P51-SS-G04-01	4,4'-DDT	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	4,4'-DDT	780	UJ
CEF-P51-SS-G02	CEF-P51-SS-203R-01	4,4'-DDT	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	4,4'-DDT	810	UJ
CEF-P51-SS-G12	CEF-P51-SS-G12-01	4,4'-DDT	944	

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G11	CEF-P51-SS-G11-01	4,4'-DDT	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	4,4'-DDT	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	4,4'-DDT	980	UJ
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	4,4'-DDT	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	4,4'-DDT	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	4,4'-DDT	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	4,4'-DDT	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	4,4'-DDT	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	4,4'-DDT	4200	U
CEF-P51-SS-012	CEF-P51-SS-012-01	4-NITROPHENOL	240	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	4-NITROPHENOL	250	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	4-NITROPHENOL	250	UJ
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ALDRIN	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ALDRIN	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ALDRIN	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ALDRIN	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ALDRIN	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ALDRIN	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ALDRIN	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ALDRIN	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ALDRIN	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ALDRIN	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ALDRIN	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ALDRIN	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ALDRIN	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ALDRIN	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ALDRIN	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ALDRIN	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ALDRIN	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ALDRIN	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ALDRIN	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ALDRIN	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ALDRIN	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ALDRIN	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ALDRIN	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ALDRIN	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ALDRIN	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ALDRIN	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ALDRIN	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ALDRIN	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ALDRIN	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ALDRIN	1000	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ALPHA-BHC	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ALPHA-BHC	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ALPHA-BHC	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ALPHA-BHC	20	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-170	CEF-P51-SS-170-01	ALPHA-BHC	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ALPHA-BHC	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ALPHA-BHC	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ALPHA-BHC	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ALPHA-BHC	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ALPHA-BHC	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ALPHA-BHC	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ALPHA-BHC	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ALPHA-BHC	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ALPHA-BHC	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ALPHA-BHC	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ALPHA-BHC	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ALPHA-BHC	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ALPHA-BHC	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ALPHA-BHC	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ALPHA-BHC	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ALPHA-BHC	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ALPHA-BHC	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ALPHA-BHC	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ALPHA-BHC	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ALPHA-BHC	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ALPHA-BHC	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ALPHA-BHC	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ALPHA-BHC	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ALPHA-BHC	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ALPHA-BHC	1000	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ALPHA-CHLORDANE	3.6	J
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ALPHA-CHLORDANE	53.6	J
CEF-P51-SS-017	CEF-P51-SS-017-01	ALPHA-CHLORDANE	155	
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ALPHA-CHLORDANE	855	
CEF-P51-SS-014	CEF-P51-SS-201R-01	ALPHA-CHLORDANE	993	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ALPHA-CHLORDANE	1120	
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ALPHA-CHLORDANE	1280	
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ALPHA-CHLORDANE	1510	
CEF-P51-SS-014	CEF-P51-SS-014-01	ALPHA-CHLORDANE	1920	
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ALPHA-CHLORDANE	2400	
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ALPHA-CHLORDANE	2640	
CEF-P51-SS-012	CEF-P51-SS-012-01	ALPHA-CHLORDANE	2650	
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ALPHA-CHLORDANE	2860	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ALPHA-CHLORDANE	2970	J
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ALPHA-CHLORDANE	3350	
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ALPHA-CHLORDANE	3460	
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ALPHA-CHLORDANE	3730	
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ALPHA-CHLORDANE	3760	
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ALPHA-CHLORDANE	4850	

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ALPHA-CHLORDANE	5540	
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ALPHA-CHLORDANE	5750	
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ALPHA-CHLORDANE	6130	
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ALPHA-CHLORDANE	6160	J
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ALPHA-CHLORDANE	6400	
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ALPHA-CHLORDANE	8695	J
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ALPHA-CHLORDANE	9050	
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ALPHA-CHLORDANE	10100	J
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ALPHA-CHLORDANE	13100	
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ARSENIC	0.34	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ARSENIC	1.7	
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ARSENIC	2.5	
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ARSENIC	2.9	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ARSENIC	4.1	
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ARSENIC	5.5	
CEF-P51-SS-170	CEF-P51-SS-170-01	ARSENIC	6	
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ARSENIC	6.2	
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ARSENIC	12.8	J
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ARSENIC	13	
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ARSENIC	14	
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ARSENIC	14.7	J
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ARSENIC	14.9	
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ARSENIC	15.7	
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ARSENIC	16.8	
CEF-P51-SS-017	CEF-P51-SS-017-01	ARSENIC	17.1	
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ARSENIC	17.5	
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ARSENIC	17.7	
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ARSENIC	18.3	
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ARSENIC	21	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ARSENIC	21.9	
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ARSENIC	22.7	
CEF-P51-SS-012	CEF-P51-SS-012-01	ARSENIC	24.2	
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ARSENIC	25.1	J
CEF-P51-SS-014	CEF-P51-SS-201R-01	ARSENIC	54.7	
CEF-P51-SS-014	CEF-P51-SS-014-01	ARSENIC	64.8	
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	BETA-BHC	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	BETA-BHC	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	BETA-BHC	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	BETA-BHC	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	BETA-BHC	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	BETA-BHC	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	BETA-BHC	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	BETA-BHC	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	BETA-BHC	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	BETA-BHC	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	BETA-BHC	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	BETA-BHC	230	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G12	CEF-P51-SS-205R-01	BETA-BHC	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	BETA-BHC	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	BETA-BHC	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	BETA-BHC	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	BETA-BHC	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	BETA-BHC	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	BETA-BHC	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	BETA-BHC	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	BETA-BHC	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	BETA-BHC	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	BETA-BHC	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	BETA-BHC	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	BETA-BHC	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	BETA-BHC	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	BETA-BHC	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	BETA-BHC	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	BETA-BHC	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	BETA-BHC	1000	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	CHLORDANE	18	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	CHLORDANE	18	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	CHLORDANE	19	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	CHLORDANE	19	U
CEF-P51-SS-170	CEF-P51-SS-170-01	CHLORDANE	920	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	CHLORDANE	5890	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	CHLORDANE	8230	
CEF-P51-SS-G08	CEF-P51-SS-G08-01	CHLORDANE	10400	
CEF-P51-SS-G03	CEF-P51-SS-G03-01	CHLORDANE	12600	
CEF-P51-SS-G12	CEF-P51-SS-205R-01	CHLORDANE	13600	
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	CHLORDANE	13700	
CEF-P51-SS-G16	CEF-P51-SS-202R-01	CHLORDANE	15200	
CEF-P51-SS-G17	CEF-P51-SS-206R-01	CHLORDANE	21400	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	CHLORDANE	21400	
CEF-P51-SS-G05	CEF-P51-SS-G05-01	CHLORDANE	23700	
CEF-P51-SS-G02	CEF-P51-SS-203R-01	CHLORDANE	27900	
CEF-P51-SS-G07	CEF-P51-SS-G07-01	CHLORDANE	29100	
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	CHLORDANE	29100	
CEF-P51-SS-G12	CEF-P51-SS-G12-01	CHLORDANE	32000	J
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	CHLORDANE	33500	
CEF-P51-SS-G16	CEF-P51-SS-G16-01	CHLORDANE	45500	
CEF-P51-SS-G11	CEF-P51-SS-G11-01	CHLORDANE	51100	
CEF-P51-SS-G09	CEF-P51-SS-G09-01	CHLORDANE	57500	
CEF-P51-SS-G04	CEF-P51-SS-G04-01	CHLORDANE	59000	
CEF-P51-SS-G17	CEF-P51-SS-G17-01	CHLORDANE	77200	
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	CHLORDANE	78500	J
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	CHLORDANE	80800	J
CEF-P51-SS-G18	CEF-P51-SS-G18-01	CHLORDANE	102000	
CEF-P51-SS-012	CEF-P51-SS-012-01	DALAPON	240	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	DALAPON	250	UJ

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-017	CEF-P51-SS-017-01	DALAPON	250	UJ
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	DELTA-BHC	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	DELTA-BHC	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	DELTA-BHC	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	DELTA-BHC	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	DELTA-BHC	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	DELTA-BHC	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	DELTA-BHC	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	DELTA-BHC	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	DELTA-BHC	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	DELTA-BHC	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	DELTA-BHC	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	DELTA-BHC	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	DELTA-BHC	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	DELTA-BHC	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	DELTA-BHC	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	DELTA-BHC	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	DELTA-BHC	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	DELTA-BHC	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	DELTA-BHC	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	DELTA-BHC	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	DELTA-BHC	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	DELTA-BHC	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	DELTA-BHC	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	DELTA-BHC	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	DELTA-BHC	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	DELTA-BHC	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	DELTA-BHC	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	DELTA-BHC	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	DELTA-BHC	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	DELTA-BHC	1000	U
CEF-P51-SS-012	CEF-P51-SS-012-01	DICAMBA	24	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	DICAMBA	25	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	DICAMBA	25	UJ
CEF-P51-SS-012	CEF-P51-SS-012-01	DICHLOROPROP	59	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	DICHLOROPROP	62	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	DICHLOROPROP	63	UJ
CEF-P51-SS-G15	CEF-P51-SS-G15-01	DIELDRIN	1.8	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	DIELDRIN	2.5	J
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	DIELDRIN	2.75	
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	DIELDRIN	14.1	
CEF-P51-SS-017	CEF-P51-SS-017-01	DIELDRIN	20	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	DIELDRIN	38.6	J
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	DIELDRIN	89.6	J
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	DIELDRIN	98	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	DIELDRIN	132	J
CEF-P51-SS-G01	CEF-P51-SS-G01-01	DIELDRIN	173	J

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G17	CEF-P51-SS-206R-01	DIELDRIN	182	J
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	DIELDRIN	217.5	J
CEF-P51-SS-G16	CEF-P51-SS-202R-01	DIELDRIN	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	DIELDRIN	230	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	DIELDRIN	267	J
CEF-P51-SS-G04	CEF-P51-SS-G04-01	DIELDRIN	293	J
CEF-P51-SS-G07	CEF-P51-SS-G07-01	DIELDRIN	303	J
CEF-P51-SS-G05	CEF-P51-SS-G05-01	DIELDRIN	308	J
CEF-P51-SS-G09	CEF-P51-SS-G09-01	DIELDRIN	359	J
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	DIELDRIN	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	DIELDRIN	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	DIELDRIN	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	DIELDRIN	400	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	DIELDRIN	401	J
CEF-P51-SS-G17	CEF-P51-SS-G17-01	DIELDRIN	438	J
CEF-P51-SS-170	CEF-P51-SS-170-01	DIELDRIN	454	
CEF-P51-SS-G18	CEF-P51-SS-G18-01	DIELDRIN	456	J
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	DIELDRIN	506	J
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	DIELDRIN	770	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	DIELDRIN	971	
CEF-P51-SS-014	CEF-P51-SS-014-01	DIELDRIN	1110	
CEF-P51-SS-012	CEF-P51-SS-012-01	DINOSEB	24	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	DINOSEB	25	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	DINOSEB	25	UJ
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDOSULFAN I	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDOSULFAN I	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDOSULFAN I	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDOSULFAN I	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDOSULFAN I	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDOSULFAN I	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDOSULFAN I	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDOSULFAN I	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDOSULFAN I	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDOSULFAN I	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDOSULFAN I	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDOSULFAN I	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDOSULFAN I	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDOSULFAN I	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDOSULFAN I	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDOSULFAN I	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDOSULFAN I	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDOSULFAN I	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDOSULFAN I	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDOSULFAN I	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDOSULFAN I	490	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDOSULFAN I	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDOSULFAN I	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDOSULFAN I	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDOSULFAN I	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDOSULFAN I	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDOSULFAN I	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDOSULFAN I	1000	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDOSULFAN II	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDOSULFAN II	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDOSULFAN II	39	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDOSULFAN II	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDOSULFAN II	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDOSULFAN II	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDOSULFAN II	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDOSULFAN II	310	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDOSULFAN II	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDOSULFAN II	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDOSULFAN II	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDOSULFAN II	460	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDOSULFAN II	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDOSULFAN II	770	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDOSULFAN II	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDOSULFAN II	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDOSULFAN II	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDOSULFAN II	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDOSULFAN II	810	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDOSULFAN II	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDOSULFAN II	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDOSULFAN II	980	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDOSULFAN II	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDOSULFAN II	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDOSULFAN II	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDOSULFAN II	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDOSULFAN II	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDOSULFAN II	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDOSULFAN II	2100	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDOSULFAN SULFATE	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDOSULFAN SULFATE	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDOSULFAN SULFATE	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDOSULFAN SULFATE	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDOSULFAN SULFATE	310	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDOSULFAN SULFATE	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDOSULFAN SULFATE	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDOSULFAN SULFATE	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDOSULFAN SULFATE	460	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDOSULFAN SULFATE	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDOSULFAN SULFATE	770	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDOSULFAN SULFATE	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDOSULFAN SULFATE	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDOSULFAN SULFATE	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDOSULFAN SULFATE	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDOSULFAN SULFATE	810	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDOSULFAN SULFATE	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDOSULFAN SULFATE	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDOSULFAN SULFATE	980	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDOSULFAN SULFATE	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDOSULFAN SULFATE	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDOSULFAN SULFATE	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDOSULFAN SULFATE	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDOSULFAN SULFATE	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDOSULFAN SULFATE	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDOSULFAN SULFATE	2100	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDRIN	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDRIN	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDRIN	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDRIN	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDRIN	39	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDRIN	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDRIN	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDRIN	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDRIN	280	UJ
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDRIN	310	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDRIN	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDRIN	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDRIN	460	UJ
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDRIN	460	UJ
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDRIN	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDRIN	770	UJ
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDRIN	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDRIN	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDRIN	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDRIN	800	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDRIN	810	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDRIN	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDRIN	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDRIN	980	UJ
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDRIN	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDRIN	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDRIN	1900	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDRIN	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDRIN	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDRIN	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDRIN	2100	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDRIN ALDEHYDE	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDRIN ALDEHYDE	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDRIN ALDEHYDE	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDRIN ALDEHYDE	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDRIN ALDEHYDE	310	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDRIN ALDEHYDE	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDRIN ALDEHYDE	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDRIN ALDEHYDE	460	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDRIN ALDEHYDE	460	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDRIN ALDEHYDE	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDRIN ALDEHYDE	770	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDRIN ALDEHYDE	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDRIN ALDEHYDE	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDRIN ALDEHYDE	780	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDRIN ALDEHYDE	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDRIN ALDEHYDE	810	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDRIN ALDEHYDE	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDRIN ALDEHYDE	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDRIN ALDEHYDE	980	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDRIN ALDEHYDE	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDRIN ALDEHYDE	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDRIN ALDEHYDE	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDRIN ALDEHYDE	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDRIN ALDEHYDE	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDRIN ALDEHYDE	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDRIN ALDEHYDE	2100	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	ENDRIN KETONE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	ENDRIN KETONE	3.7	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-017	CEF-P51-SS-017-01	ENDRIN KETONE	39	UJ
CEF-P51-SS-170	CEF-P51-SS-170-01	ENDRIN KETONE	180	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	ENDRIN KETONE	190	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	ENDRIN KETONE	200	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	ENDRIN KETONE	280	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	ENDRIN KETONE	310	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	ENDRIN KETONE	370	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	ENDRIN KETONE	380	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	ENDRIN KETONE	460	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G12	CEF-P51-SS-205R-01	ENDRIN KETONE	460	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	ENDRIN KETONE	740	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	ENDRIN KETONE	770	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	ENDRIN KETONE	770	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	ENDRIN KETONE	770	U
CEF-P51-SS-012	CEF-P51-SS-012-01	ENDRIN KETONE	780	UJ
CEF-P51-SS-G02	CEF-P51-SS-203R-01	ENDRIN KETONE	800	U
CEF-P51-SS-014	CEF-P51-SS-014-01	ENDRIN KETONE	810	UJ
CEF-P51-SS-G11	CEF-P51-SS-G11-01	ENDRIN KETONE	950	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	ENDRIN KETONE	960	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	ENDRIN KETONE	980	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	ENDRIN KETONE	1390	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	ENDRIN KETONE	1500	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	ENDRIN KETONE	1900	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	ENDRIN KETONE	1900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	ENDRIN KETONE	2000	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	ENDRIN KETONE	2000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	ENDRIN KETONE	2100	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	GAMMA-BHC (LINDANE)	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	GAMMA-BHC (LINDANE)	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	GAMMA-BHC (LINDANE)	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	GAMMA-BHC (LINDANE)	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	GAMMA-BHC (LINDANE)	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	GAMMA-BHC (LINDANE)	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	GAMMA-BHC (LINDANE)	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	GAMMA-BHC (LINDANE)	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	GAMMA-BHC (LINDANE)	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	GAMMA-BHC (LINDANE)	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	GAMMA-BHC (LINDANE)	380	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	GAMMA-BHC (LINDANE)	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	GAMMA-BHC (LINDANE)	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	GAMMA-BHC (LINDANE)	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	GAMMA-BHC (LINDANE)	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	GAMMA-BHC (LINDANE)	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	GAMMA-BHC (LINDANE)	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	GAMMA-BHC (LINDANE)	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	GAMMA-BHC (LINDANE)	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	GAMMA-BHC (LINDANE)	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	GAMMA-BHC (LINDANE)	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	GAMMA-BHC (LINDANE)	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	GAMMA-BHC (LINDANE)	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	GAMMA-BHC (LINDANE)	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	GAMMA-BHC (LINDANE)	1000	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	GAMMA-BHC (LINDANE)	1000	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	GAMMA-CHLORDANE	1.5	J
CEF-P51-SS-G15	CEF-P51-SS-G15-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-170	CEF-P51-SS-170-01	GAMMA-CHLORDANE	60.2	J
CEF-P51-SS-017	CEF-P51-SS-017-01	GAMMA-CHLORDANE	141	
CEF-P51-SS-014	CEF-P51-SS-201R-01	GAMMA-CHLORDANE	776	
CEF-P51-SS-G08	CEF-P51-SS-G08-01	GAMMA-CHLORDANE	875	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	GAMMA-CHLORDANE	1060	
CEF-P51-SS-G03	CEF-P51-SS-G03-01	GAMMA-CHLORDANE	1260	
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	GAMMA-CHLORDANE	1500	
CEF-P51-SS-014	CEF-P51-SS-014-01	GAMMA-CHLORDANE	1730	
CEF-P51-SS-G12	CEF-P51-SS-205R-01	GAMMA-CHLORDANE	2430	
CEF-P51-SS-G16	CEF-P51-SS-202R-01	GAMMA-CHLORDANE	2640	
CEF-P51-SS-012	CEF-P51-SS-012-01	GAMMA-CHLORDANE	2720	
CEF-P51-SS-G05	CEF-P51-SS-G05-01	GAMMA-CHLORDANE	2830	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	GAMMA-CHLORDANE	3010	J
CEF-P51-SS-G07	CEF-P51-SS-G07-01	GAMMA-CHLORDANE	3350	
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	GAMMA-CHLORDANE	3390	
CEF-P51-SS-G12	CEF-P51-SS-G12-01	GAMMA-CHLORDANE	3640	
CEF-P51-SS-G17	CEF-P51-SS-206R-01	GAMMA-CHLORDANE	3730	
CEF-P51-SS-G02	CEF-P51-SS-203R-01	GAMMA-CHLORDANE	4850	
CEF-P51-SS-G16	CEF-P51-SS-G16-01	GAMMA-CHLORDANE	5570	
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	GAMMA-CHLORDANE	5700	
CEF-P51-SS-G11	CEF-P51-SS-G11-01	GAMMA-CHLORDANE	6180	
CEF-P51-SS-G04	CEF-P51-SS-G04-01	GAMMA-CHLORDANE	6280	J
CEF-P51-SS-G09	CEF-P51-SS-G09-01	GAMMA-CHLORDANE	6560	
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	GAMMA-CHLORDANE	9235	J
CEF-P51-SS-G17	CEF-P51-SS-G17-01	GAMMA-CHLORDANE	9770	
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	GAMMA-CHLORDANE	10400	
CEF-P51-SS-G18	CEF-P51-SS-G18-01	GAMMA-CHLORDANE	14100	
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	HEPTACHLOR	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	HEPTACHLOR	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	HEPTACHLOR	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	HEPTACHLOR	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	HEPTACHLOR	20	U
CEF-P51-SS-170	CEF-P51-SS-170-01	HEPTACHLOR	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	HEPTACHLOR	96	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	HEPTACHLOR	98	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	HEPTACHLOR	140	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	HEPTACHLOR	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	HEPTACHLOR	180	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	HEPTACHLOR	190	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	HEPTACHLOR	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	HEPTACHLOR	230	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	HEPTACHLOR	370	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	HEPTACHLOR	380	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G04	CEF-P51-SS-G04-01	HEPTACHLOR	380	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	HEPTACHLOR	380	U
CEF-P51-SS-012	CEF-P51-SS-012-01	HEPTACHLOR	390	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	HEPTACHLOR	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	HEPTACHLOR	410	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	HEPTACHLOR	480	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	HEPTACHLOR	480	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	HEPTACHLOR	490	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	HEPTACHLOR	685	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	HEPTACHLOR	770	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	HEPTACHLOR	930	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	HEPTACHLOR	950	U
CEF-P51-SS-G18	CEF-P51-SS-G18-01	HEPTACHLOR	980	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	HEPTACHLOR	1000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	HEPTACHLOR	1000	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-017	CEF-P51-SS-017-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	HEPTACHLOR EPOXIDE	46	J
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	HEPTACHLOR EPOXIDE	85.2	J
CEF-P51-SS-170	CEF-P51-SS-170-01	HEPTACHLOR EPOXIDE	92	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	HEPTACHLOR EPOXIDE	96	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	HEPTACHLOR EPOXIDE	110	J
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	HEPTACHLOR EPOXIDE	150	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	HEPTACHLOR EPOXIDE	180	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	HEPTACHLOR EPOXIDE	192	J
CEF-P51-SS-G16	CEF-P51-SS-202R-01	HEPTACHLOR EPOXIDE	230	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	HEPTACHLOR EPOXIDE	230	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	HEPTACHLOR EPOXIDE	248	J
CEF-P51-SS-G04	CEF-P51-SS-G04-01	HEPTACHLOR EPOXIDE	281	J
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	HEPTACHLOR EPOXIDE	328	J
CEF-P51-SS-G05	CEF-P51-SS-G05-01	HEPTACHLOR EPOXIDE	370	U
CEF-P51-SS-012	CEF-P51-SS-012-01	HEPTACHLOR EPOXIDE	390	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	HEPTACHLOR EPOXIDE	390.5	J
CEF-P51-SS-G02	CEF-P51-SS-203R-01	HEPTACHLOR EPOXIDE	400	U
CEF-P51-SS-014	CEF-P51-SS-014-01	HEPTACHLOR EPOXIDE	410	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	HEPTACHLOR EPOXIDE	435	J
CEF-P51-SS-G18	CEF-P51-SS-G18-01	HEPTACHLOR EPOXIDE	534	J
CEF-P51-SS-G11	CEF-P51-SS-G11-01	HEPTACHLOR EPOXIDE	597	
CEF-P51-SS-G17	CEF-P51-SS-G17-01	HEPTACHLOR EPOXIDE	710	J
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	HEPTACHLOR EPOXIDE	735	J
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	HEPTACHLOR EPOXIDE	770	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	HEPTACHLOR EPOXIDE	1000	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	HEPTACHLOR EPOXIDE	1070	
CEF-P51-SS-012	CEF-P51-SS-012-01	MCPA	4700	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	MCPA	5000	UJ

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-017	CEF-P51-SS-017-01	MCPA	5000	UJ
CEF-P51-SS-012	CEF-P51-SS-012-01	MCPP	5800	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	MCPP	6200	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	MCPP	6300	UJ
CEF-P51-SS-G15	CEF-P51-SS-G15-01	METHOXYCHLOR	7.1	U
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	METHOXYCHLOR	7.35	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	METHOXYCHLOR	30	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	METHOXYCHLOR	74.5	U
CEF-P51-SS-017	CEF-P51-SS-017-01	METHOXYCHLOR	200	UJ
CEF-P51-SS-170	CEF-P51-SS-170-01	METHOXYCHLOR	370	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	METHOXYCHLOR	380	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	METHOXYCHLOR	390	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	METHOXYCHLOR	570	UJ
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	METHOXYCHLOR	620	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	METHOXYCHLOR	740	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	METHOXYCHLOR	760	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	METHOXYCHLOR	910	UJ
CEF-P51-SS-G16	CEF-P51-SS-202R-01	METHOXYCHLOR	930	UJ
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	METHOXYCHLOR	1500	UJ
CEF-P51-SS-G04	CEF-P51-SS-G04-01	METHOXYCHLOR	1500	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	METHOXYCHLOR	1500	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	METHOXYCHLOR	1500	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	METHOXYCHLOR	1600	UJ
CEF-P51-SS-G07	CEF-P51-SS-G07-01	METHOXYCHLOR	1900	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	METHOXYCHLOR	1900	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	METHOXYCHLOR	2000	UJ
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	METHOXYCHLOR	2750	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	METHOXYCHLOR	3100	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	METHOXYCHLOR	3700	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	METHOXYCHLOR	3800	U
CEF-P51-SS-012	CEF-P51-SS-012-01	METHOXYCHLOR	3900	UJ
CEF-P51-SS-G18	CEF-P51-SS-G18-01	METHOXYCHLOR	3900	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	METHOXYCHLOR	4000	U
CEF-P51-SS-014	CEF-P51-SS-014-01	METHOXYCHLOR	4100	UJ
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	METHOXYCHLOR	8200	U
CEF-P51-SS-012	CEF-P51-SS-012-01	PENTACHLOROPHENOL	12	UJ
CEF-P51-SS-017	CEF-P51-SS-017-01	PENTACHLOROPHENOL	12	UJ
CEF-P51-SS-014	CEF-P51-SS-014-01	PENTACHLOROPHENOL	13	UJ
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	TOTAL PESTICIDES	2.5	
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	TOTAL PESTICIDES	2.75	
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	TOTAL PESTICIDES	19.2	
CEF-P51-SS-017	CEF-P51-SS-017-01	TOTAL PESTICIDES	296	
CEF-P51-SS-170	CEF-P51-SS-170-01	TOTAL PESTICIDES	944.8	
CEF-P51-SS-014	CEF-P51-SS-014-01	TOTAL PESTICIDES	4760	
CEF-P51-SS-012	CEF-P51-SS-012-01	TOTAL PESTICIDES	5370	
CEF-P51-SS-014	CEF-P51-SS-201R-01	TOTAL PESTICIDES	8740	
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	TOTAL PESTICIDES	10583.4	
CEF-P51-SS-G08	CEF-P51-SS-G08-01	TOTAL PESTICIDES	12212.3	

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G03	CEF-P51-SS-G03-01	TOTAL PESTICIDES	15411.8	
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	TOTAL PESTICIDES	16925.6	
CEF-P51-SS-G12	CEF-P51-SS-205R-01	TOTAL PESTICIDES	18430	
CEF-P51-SS-G16	CEF-P51-SS-202R-01	TOTAL PESTICIDES	20480	
CEF-P51-SS-G01	CEF-P51-SS-G01-01	TOTAL PESTICIDES	27775	
CEF-P51-SS-G17	CEF-P51-SS-206R-01	TOTAL PESTICIDES	29320	
CEF-P51-SS-G05	CEF-P51-SS-G05-01	TOTAL PESTICIDES	29950	
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	TOTAL PESTICIDES	35950	
CEF-P51-SS-G07	CEF-P51-SS-G07-01	TOTAL PESTICIDES	36295	
CEF-P51-SS-G02	CEF-P51-SS-203R-01	TOTAL PESTICIDES	37600	
CEF-P51-SS-G12	CEF-P51-SS-G12-01	TOTAL PESTICIDES	42196	
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	TOTAL PESTICIDES	45278	
CEF-P51-SS-G16	CEF-P51-SS-G16-01	TOTAL PESTICIDES	57748	
CEF-P51-SS-G11	CEF-P51-SS-G11-01	TOTAL PESTICIDES	65384	
CEF-P51-SS-G09	CEF-P51-SS-G09-01	TOTAL PESTICIDES	71301	
CEF-P51-SS-G04	CEF-P51-SS-G04-01	TOTAL PESTICIDES	72547	
CEF-P51-SS-G17	CEF-P51-SS-G17-01	TOTAL PESTICIDES	97883	
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	TOTAL PESTICIDES	98124	
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	TOTAL PESTICIDES	103252	
CEF-P51-SS-G18	CEF-P51-SS-G18-01	TOTAL PESTICIDES	131048	
CEF-P51-SS-G10A	CEF-P51-SS-G10-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-G15	CEF-P51-SS-G15-01	TOXAPHENE	180	U
CEF-P51-SS-G06A	CEF-P51-SS-G06-01	TOXAPHENE	190	U
CEF-P51-SS-G14A	CEF-P51-SS-G14-01-AVG	TOXAPHENE	190	U
CEF-P51-SS-017	CEF-P51-SS-017-01	TOXAPHENE	2000	U
CEF-P51-SS-170	CEF-P51-SS-170-01	TOXAPHENE	9200	U
CEF-P51-SS-G08	CEF-P51-SS-G08-01	TOXAPHENE	9600	U
CEF-P51-SS-G13B	CEF-P51-SS-G13B-01	TOXAPHENE	9800	U
CEF-P51-SS-014	CEF-P51-SS-201R-01	TOXAPHENE	14000	U
CEF-P51-SS-G06B	CEF-P51-SS-G06B-01	TOXAPHENE	15000	U
CEF-P51-SS-G01	CEF-P51-SS-G01-01	TOXAPHENE	18000	U
CEF-P51-SS-G03	CEF-P51-SS-G03-01	TOXAPHENE	19000	U
CEF-P51-SS-G16	CEF-P51-SS-202R-01	TOXAPHENE	23000	U
CEF-P51-SS-G12	CEF-P51-SS-205R-01	TOXAPHENE	23000	U
CEF-P51-SS-G05	CEF-P51-SS-G05-01	TOXAPHENE	37000	U
CEF-P51-SS-G10B	CEF-P51-SS-204R-01	TOXAPHENE	38000	U
CEF-P51-SS-G04	CEF-P51-SS-G04-01	TOXAPHENE	38000	U
CEF-P51-SS-G12	CEF-P51-SS-G12-01	TOXAPHENE	38000	U
CEF-P51-SS-012	CEF-P51-SS-012-01	TOXAPHENE	39000	U
CEF-P51-SS-G02	CEF-P51-SS-203R-01	TOXAPHENE	40000	U
CEF-P51-SS-014	CEF-P51-SS-014-01	TOXAPHENE	41000	U
CEF-P51-SS-G07	CEF-P51-SS-G07-01	TOXAPHENE	48000	U
CEF-P51-SS-G11	CEF-P51-SS-G11-01	TOXAPHENE	48000	U
CEF-P51-SS-G17	CEF-P51-SS-206R-01	TOXAPHENE	49000	U
CEF-P51-SS-G02	CEF-P51-SS-G02-01-AVG	TOXAPHENE	68500	U
CEF-P51-SS-G14B	CEF-P51-SS-G14B-01	TOXAPHENE	77000	U
CEF-P51-SS-G16	CEF-P51-SS-G16-01	TOXAPHENE	93000	U
CEF-P51-SS-G17	CEF-P51-SS-G17-01	TOXAPHENE	95000	U

GREENS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G18	CEF-P51-SS-G18-01	TOXAPHENE	98000	U
CEF-P51-SS-G09	CEF-P51-SS-G09-01	TOXAPHENE	100000	U
CEF-P51-SS-G10B	CEF-P51-SS-G10B-01	TOXAPHENE	100000	U

E.2.3 FAIRWAY

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-270	CEF-P51-SS-270-01	4,4'-DDD	0.77	J
CEF-P51-SS-118	CEF-P51-SS-118-01	4,4'-DDD	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	4,4'-DDD	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	4,4'-DDD	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	4,4'-DDD	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	4,4'-DDD	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	4,4'-DDD	3.7	U
CEF-P51-SS-174	CEF-P51-SS-174-01	4,4'-DDD	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	4,4'-DDD	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	4,4'-DDD	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	4,4'-DDD	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	4,4'-DDD	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	4,4'-DDD	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	4,4'-DDD	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	4,4'-DDD	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	4,4'-DDD	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	4,4'-DDD	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	4,4'-DDD	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	4,4'-DDD	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	4,4'-DDD	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	4,4'-DDD	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	4,4'-DDD	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	4,4'-DDD	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	4,4'-DDD	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	4,4'-DDD	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	4,4'-DDD	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	4,4'-DDD	48	U
CEF-P51-SS-324	CEF-P51-SS-324-01	4,4'-DDE	0.41	J
CEF-P51-SS-174	CEF-P51-SS-174-01	4,4'-DDE	0.93	J
CEF-P51-SS-270	CEF-P51-SS-270-01	4,4'-DDE	1.4	J
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	4,4'-DDE	3.3	J
CEF-P51-SS-118	CEF-P51-SS-118-01	4,4'-DDE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	4,4'-DDE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	4,4'-DDE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	4,4'-DDE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	4,4'-DDE	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	4,4'-DDE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	4,4'-DDE	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	4,4'-DDE	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	4,4'-DDE	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	4,4'-DDE	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	4,4'-DDE	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	4,4'-DDE	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	4,4'-DDE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	4,4'-DDE	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	4,4'-DDE	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	4,4'-DDE	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	4,4'-DDE	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	4,4'-DDE	36	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-217	CEF-P51-SS-217-01	4,4'-DDE	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	4,4'-DDE	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	4,4'-DDE	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	4,4'-DDE	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	4,4'-DDE	48	U
CEF-P51-SS-311	CEF-P51-SS-311-01	4,4'-DDT	15	U
CEF-P51-SS-118	CEF-P51-SS-118-01	4,4'-DDT	36	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	4,4'-DDT	36	U
CEF-P51-SS-132	CEF-P51-SS-132-01	4,4'-DDT	36	U
CEF-P51-SS-133	CEF-P51-SS-133-01	4,4'-DDT	36	U
CEF-P51-SS-134	CEF-P51-SS-134-01	4,4'-DDT	37	U
CEF-P51-SS-135	CEF-P51-SS-135-01	4,4'-DDT	37	U
CEF-P51-SS-174	CEF-P51-SS-174-01	4,4'-DDT	37	U
CEF-P51-SS-250	CEF-P51-SS-250-01	4,4'-DDT	37	U
CEF-P51-SS-270	CEF-P51-SS-270-01	4,4'-DDT	37	U
CEF-P51-SS-282	CEF-P51-SS-282-01	4,4'-DDT	37	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	4,4'-DDT	37	U
CEF-P51-SS-227	CEF-P51-SS-227-01	4,4'-DDT	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	4,4'-DDT	38	U
CEF-P51-SS-229	CEF-P51-SS-229-01	4,4'-DDT	38	U
CEF-P51-SS-252	CEF-P51-SS-252-01	4,4'-DDT	38	U
CEF-P51-SS-262	CEF-P51-SS-262-01	4,4'-DDT	38	U
CEF-P51-SS-173	CEF-P51-SS-173-01	4,4'-DDT	40	U
CEF-P51-SS-249	CEF-P51-SS-249-01	4,4'-DDT	72	U
CEF-P51-SS-324	CEF-P51-SS-324-01	4,4'-DDT	72	U
CEF-P51-SS-247	CEF-P51-SS-247-01	4,4'-DDT	74	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	4,4'-DDT	104	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	4,4'-DDT	108.5	U
CEF-P51-SS-217	CEF-P51-SS-217-01	4,4'-DDT	180	U
CEF-P51-SS-216	CEF-P51-SS-216-01	4,4'-DDT	190	U
CEF-P51-SS-223	CEF-P51-SS-223-01	4,4'-DDT	190	U
CEF-P51-SS-215	CEF-P51-SS-215-01	4,4'-DDT	240	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ALDRIN	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ALDRIN	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ALDRIN	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ALDRIN	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ALDRIN	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ALDRIN	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ALDRIN	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ALDRIN	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ALDRIN	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ALDRIN	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ALDRIN	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ALDRIN	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ALDRIN	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ALDRIN	3.7	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ALDRIN	5.7	
CEF-P51-SS-249	CEF-P51-SS-249-01	ALDRIN	7.2	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-311	CEF-P51-SS-311-01	ALDRIN	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ALDRIN	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ALDRIN	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ALDRIN	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ALDRIN	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ALDRIN	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ALDRIN	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ALDRIN	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ALDRIN	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ALDRIN	24	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ALPHA-BHC	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ALPHA-BHC	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ALPHA-BHC	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ALPHA-BHC	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ALPHA-BHC	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ALPHA-BHC	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ALPHA-BHC	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ALPHA-BHC	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ALPHA-BHC	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ALPHA-BHC	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ALPHA-BHC	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ALPHA-BHC	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ALPHA-BHC	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ALPHA-BHC	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ALPHA-BHC	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ALPHA-BHC	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ALPHA-BHC	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ALPHA-BHC	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ALPHA-BHC	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ALPHA-BHC	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ALPHA-BHC	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ALPHA-BHC	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ALPHA-BHC	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ALPHA-BHC	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ALPHA-BHC	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ALPHA-BHC	24	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ALPHA-CHLORDANE	1.6	J
CEF-P51-SS-227	CEF-P51-SS-227-01	ALPHA-CHLORDANE	1.8	J
CEF-P51-SS-174	CEF-P51-SS-174-01	ALPHA-CHLORDANE	2.9	J
CEF-P51-SS-118	CEF-P51-SS-118-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ALPHA-CHLORDANE	3.8	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-324	CEF-P51-SS-324-01	ALPHA-CHLORDANE	3.9	
CEF-P51-SS-173	CEF-P51-SS-173-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ALPHA-CHLORDANE	9.8	J
CEF-P51-SS-262	CEF-P51-SS-262-01	ALPHA-CHLORDANE	11.9	J
CEF-P51-SS-270	CEF-P51-SS-270-01	ALPHA-CHLORDANE	13.6	
CEF-P51-SS-249	CEF-P51-SS-249-01	ALPHA-CHLORDANE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ALPHA-CHLORDANE	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ALPHA-CHLORDANE	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ALPHA-CHLORDANE	19	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ALPHA-CHLORDANE	25.4	
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ALPHA-CHLORDANE	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ALPHA-CHLORDANE	48	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ALPHA-CHLORDANE	112	
CEF-P51-SS-133	CEF-P51-SS-133-01	ARSENIC	0.86	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ARSENIC	1.375	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ARSENIC	1.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ARSENIC	1.4	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ARSENIC	1.6	
CEF-P51-SS-217	CEF-P51-SS-217-01	ARSENIC	2.1	
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ARSENIC	2.4	
CEF-P51-SS-132	CEF-P51-SS-132-01	ARSENIC	2.8	
CEF-P51-SS-229	CEF-P51-SS-229-01	ARSENIC	2.8	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ARSENIC	2.9	
CEF-P51-SS-118	CEF-P51-SS-118-01	ARSENIC	3.2	
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ARSENIC	3.25	
CEF-P51-SS-270	CEF-P51-SS-270-01	ARSENIC	3.8	
CEF-P51-SS-134	CEF-P51-SS-134-01	ARSENIC	4.3	
CEF-P51-SS-282	CEF-P51-SS-282-01	ARSENIC	5	
CEF-P51-SS-173	CEF-P51-SS-173-01	ARSENIC	5.4	
CEF-P51-SS-228	CEF-P51-SS-228-01	ARSENIC	5.8	
CEF-P51-SS-216	CEF-P51-SS-216-01	ARSENIC	6.1	
CEF-P51-SS-250	CEF-P51-SS-250-01	ARSENIC	6.8	
CEF-P51-SS-311	CEF-P51-SS-311-01	ARSENIC	7.1	
CEF-P51-SS-247	CEF-P51-SS-247-01	ARSENIC	7.4	
CEF-P51-SS-252	CEF-P51-SS-252-01	ARSENIC	9.7	
CEF-P51-SS-227	CEF-P51-SS-227-01	ARSENIC	10.3	
CEF-P51-SS-215	CEF-P51-SS-215-01	ARSENIC	13.1	
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ARSENIC	13.9	
CEF-P51-SS-324	CEF-P51-SS-324-01	ARSENIC	14.1	
CEF-P51-SS-262	CEF-P51-SS-262-01	ARSENIC	15.8	
CEF-P51-SS-118	CEF-P51-SS-118-01	BETA-BHC	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	BETA-BHC	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	BETA-BHC	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	BETA-BHC	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	BETA-BHC	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	BETA-BHC	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	BETA-BHC	1.8	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-270	CEF-P51-SS-270-01	BETA-BHC	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	BETA-BHC	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	BETA-BHC	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	BETA-BHC	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	BETA-BHC	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	BETA-BHC	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	BETA-BHC	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	BETA-BHC	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	BETA-BHC	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	BETA-BHC	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	BETA-BHC	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	BETA-BHC	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	BETA-BHC	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	BETA-BHC	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	BETA-BHC	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	BETA-BHC	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	BETA-BHC	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	BETA-BHC	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	BETA-BHC	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	BETA-BHC	24	U
CEF-P51-SS-118	CEF-P51-SS-118-01	CHLORDANE	18	U
CEF-P51-SS-132	CEF-P51-SS-132-01	CHLORDANE	18	U
CEF-P51-SS-133	CEF-P51-SS-133-01	CHLORDANE	18	U
CEF-P51-SS-134	CEF-P51-SS-134-01	CHLORDANE	18	U
CEF-P51-SS-135	CEF-P51-SS-135-01	CHLORDANE	18	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	CHLORDANE	18	U
CEF-P51-SS-229	CEF-P51-SS-229-01	CHLORDANE	19	U
CEF-P51-SS-250	CEF-P51-SS-250-01	CHLORDANE	19	U
CEF-P51-SS-282	CEF-P51-SS-282-01	CHLORDANE	19	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	CHLORDANE	19	U
CEF-P51-SS-173	CEF-P51-SS-173-01	CHLORDANE	20	U
CEF-P51-SS-174	CEF-P51-SS-174-01	CHLORDANE	22.5	J
CEF-P51-SS-249	CEF-P51-SS-249-01	CHLORDANE	72	U
CEF-P51-SS-311	CEF-P51-SS-311-01	CHLORDANE	76	U
CEF-P51-SS-227	CEF-P51-SS-227-01	CHLORDANE	78.3	J
CEF-P51-SS-252	CEF-P51-SS-252-01	CHLORDANE	94	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	CHLORDANE	94.5	U
CEF-P51-SS-262	CEF-P51-SS-262-01	CHLORDANE	96	U
CEF-P51-SS-324	CEF-P51-SS-324-01	CHLORDANE	98.9	J
CEF-P51-SS-270	CEF-P51-SS-270-01	CHLORDANE	123	J
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	CHLORDANE	180	U
CEF-P51-SS-217	CEF-P51-SS-217-01	CHLORDANE	180	U
CEF-P51-SS-247	CEF-P51-SS-247-01	CHLORDANE	180	U
CEF-P51-SS-216	CEF-P51-SS-216-01	CHLORDANE	190	U
CEF-P51-SS-223	CEF-P51-SS-223-01	CHLORDANE	190	U
CEF-P51-SS-215	CEF-P51-SS-215-01	CHLORDANE	240	U
CEF-P51-SS-228	CEF-P51-SS-228-01	CHLORDANE	874	J
CEF-P51-SS-118	CEF-P51-SS-118-01	DELTA-BHC	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	DELTA-BHC	1.8	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-133	CEF-P51-SS-133-01	DELTA-BHC	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	DELTA-BHC	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	DELTA-BHC	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	DELTA-BHC	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-270	CEF-P51-SS-270-01	DELTA-BHC	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	DELTA-BHC	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	DELTA-BHC	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	DELTA-BHC	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	DELTA-BHC	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	DELTA-BHC	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	DELTA-BHC	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	DELTA-BHC	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	DELTA-BHC	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	DELTA-BHC	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	DELTA-BHC	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	DELTA-BHC	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	DELTA-BHC	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	DELTA-BHC	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	DELTA-BHC	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	DELTA-BHC	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	DELTA-BHC	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	DELTA-BHC	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	DELTA-BHC	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	DELTA-BHC	24	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	DIELDRIN	0.86	J
CEF-P51-SS-282	CEF-P51-SS-282-01	DIELDRIN	1.4	J
CEF-P51-SS-173	CEF-P51-SS-173-01	DIELDRIN	1.5	J
CEF-P51-SS-174	CEF-P51-SS-174-01	DIELDRIN	1.5	J
CEF-P51-SS-133	CEF-P51-SS-133-01	DIELDRIN	1.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	DIELDRIN	2	
CEF-P51-SS-135	CEF-P51-SS-135-01	DIELDRIN	3.4	
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	DIELDRIN	3.45	
CEF-P51-SS-132	CEF-P51-SS-132-01	DIELDRIN	4.9	
CEF-P51-SS-227	CEF-P51-SS-227-01	DIELDRIN	7.6	
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	DIELDRIN	8.55	J
CEF-P51-SS-134	CEF-P51-SS-134-01	DIELDRIN	9.3	
CEF-P51-SS-118	CEF-P51-SS-118-01	DIELDRIN	12.6	
CEF-P51-SS-324	CEF-P51-SS-324-01	DIELDRIN	12.8	
CEF-P51-SS-216	CEF-P51-SS-216-01	DIELDRIN	19	U
CEF-P51-SS-250	CEF-P51-SS-250-01	DIELDRIN	24.5	
CEF-P51-SS-270	CEF-P51-SS-270-01	DIELDRIN	29.2	
CEF-P51-SS-247	CEF-P51-SS-247-01	DIELDRIN	35.6	
CEF-P51-SS-228	CEF-P51-SS-228-01	DIELDRIN	42.8	
CEF-P51-SS-215	CEF-P51-SS-215-01	DIELDRIN	58.5	
CEF-P51-SS-249	CEF-P51-SS-249-01	DIELDRIN	61.5	
CEF-P51-SS-311	CEF-P51-SS-311-01	DIELDRIN	73.5	
CEF-P51-SS-217	CEF-P51-SS-217-01	DIELDRIN	85.7	
CEF-P51-SS-252	CEF-P51-SS-252-01	DIELDRIN	89.4	

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-262	CEF-P51-SS-262-01	DIELDRIN	96.2	
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	DIELDRIN	178.5	
CEF-P51-SS-223	CEF-P51-SS-223-01	DIELDRIN	209	
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDOSULFAN I	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDOSULFAN I	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDOSULFAN I	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDOSULFAN I	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDOSULFAN I	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDOSULFAN I	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDOSULFAN I	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDOSULFAN I	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDOSULFAN I	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDOSULFAN I	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDOSULFAN I	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDOSULFAN I	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDOSULFAN I	24	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDOSULFAN II	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDOSULFAN II	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDOSULFAN II	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDOSULFAN II	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDOSULFAN II	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDOSULFAN II	18.9	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDOSULFAN II	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDOSULFAN II	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDOSULFAN II	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDOSULFAN II	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDOSULFAN II	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDOSULFAN II	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDOSULFAN II	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDOSULFAN II	48	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDOSULFAN SULFATE	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDOSULFAN SULFATE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDOSULFAN SULFATE	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDOSULFAN SULFATE	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDOSULFAN SULFATE	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDOSULFAN SULFATE	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDOSULFAN SULFATE	48	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDRIN	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDRIN	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDRIN	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDRIN	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDRIN	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDRIN	3.7	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDRIN	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDRIN	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDRIN	3.7	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDRIN	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDRIN	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDRIN	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDRIN	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDRIN	3.8	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDRIN	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDRIN	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDRIN	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDRIN	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDRIN	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDRIN	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDRIN	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDRIN	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDRIN	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDRIN	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDRIN	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDRIN	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDRIN	48	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDRIN ALDEHYDE	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDRIN ALDEHYDE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDRIN ALDEHYDE	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDRIN ALDEHYDE	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDRIN ALDEHYDE	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDRIN ALDEHYDE	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDRIN ALDEHYDE	48	U
CEF-P51-SS-118	CEF-P51-SS-118-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-324	CEF-P51-SS-324-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-270	CEF-P51-SS-270-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	ENDRIN KETONE	3.7	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-227	CEF-P51-SS-227-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-229	CEF-P51-SS-229-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-247	CEF-P51-SS-247-01	ENDRIN KETONE	7.4	U
CEF-P51-SS-249	CEF-P51-SS-249-01	ENDRIN KETONE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	ENDRIN KETONE	15	U
CEF-P51-SS-252	CEF-P51-SS-252-01	ENDRIN KETONE	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	ENDRIN KETONE	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	ENDRIN KETONE	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	ENDRIN KETONE	36	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	ENDRIN KETONE	36	U
CEF-P51-SS-174	CEF-P51-SS-174-01	ENDRIN KETONE	37	U
CEF-P51-SS-216	CEF-P51-SS-216-01	ENDRIN KETONE	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	ENDRIN KETONE	38	U
CEF-P51-SS-228	CEF-P51-SS-228-01	ENDRIN KETONE	38	U
CEF-P51-SS-173	CEF-P51-SS-173-01	ENDRIN KETONE	40	U
CEF-P51-SS-215	CEF-P51-SS-215-01	ENDRIN KETONE	48	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	ENDRIN KETONE	108.5	U
CEF-P51-SS-118	CEF-P51-SS-118-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-270	CEF-P51-SS-270-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	GAMMA-BHC (LINDANE)	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	GAMMA-BHC (LINDANE)	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	GAMMA-BHC (LINDANE)	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	GAMMA-BHC (LINDANE)	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	GAMMA-BHC (LINDANE)	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	GAMMA-BHC (LINDANE)	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	GAMMA-BHC (LINDANE)	24	U
CEF-P51-SS-227	CEF-P51-SS-227-01	GAMMA-CHLORDANE	1.1	J
CEF-P51-SS-174	CEF-P51-SS-174-01	GAMMA-CHLORDANE	1.8	J
CEF-P51-SS-324	CEF-P51-SS-324-01	GAMMA-CHLORDANE	2.3	J
CEF-P51-SS-270	CEF-P51-SS-270-01	GAMMA-CHLORDANE	3.3	J

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-262	CEF-P51-SS-262-01	GAMMA-CHLORDANE	3.5	J
CEF-P51-SS-118	CEF-P51-SS-118-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-132	CEF-P51-SS-132-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-133	CEF-P51-SS-133-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-134	CEF-P51-SS-134-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-135	CEF-P51-SS-135-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-250	CEF-P51-SS-250-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-282	CEF-P51-SS-282-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-229	CEF-P51-SS-229-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-173	CEF-P51-SS-173-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-247	CEF-P51-SS-247-01	GAMMA-CHLORDANE	5.6	J
CEF-P51-SS-249	CEF-P51-SS-249-01	GAMMA-CHLORDANE	14	U
CEF-P51-SS-311	CEF-P51-SS-311-01	GAMMA-CHLORDANE	15	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	GAMMA-CHLORDANE	18.9	U
CEF-P51-SS-252	CEF-P51-SS-252-01	GAMMA-CHLORDANE	19	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	GAMMA-CHLORDANE	36	U
CEF-P51-SS-217	CEF-P51-SS-217-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-216	CEF-P51-SS-216-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-223	CEF-P51-SS-223-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-215	CEF-P51-SS-215-01	GAMMA-CHLORDANE	48	U
CEF-P51-SS-228	CEF-P51-SS-228-01	GAMMA-CHLORDANE	51.8	
CEF-P51-SS-132	CEF-P51-SS-132-01	HEPTACHLOR	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	HEPTACHLOR	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	HEPTACHLOR	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	HEPTACHLOR	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	HEPTACHLOR	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	HEPTACHLOR	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	HEPTACHLOR	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	HEPTACHLOR	1.9	U
CEF-P51-SS-247	CEF-P51-SS-247-01	HEPTACHLOR	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	HEPTACHLOR	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	HEPTACHLOR	7.6	U
CEF-P51-SS-252	CEF-P51-SS-252-01	HEPTACHLOR	9.4	U
CEF-P51-SS-118	CEF-P51-SS-118-01	HEPTACHLOR	18	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-174	CEF-P51-SS-174-01	HEPTACHLOR	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	HEPTACHLOR	18	U
CEF-P51-SS-270	CEF-P51-SS-270-01	HEPTACHLOR	18	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-324	CEF-P51-SS-324-01	HEPTACHLOR	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	HEPTACHLOR	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	HEPTACHLOR	19	U
CEF-P51-SS-228	CEF-P51-SS-228-01	HEPTACHLOR	19	U
CEF-P51-SS-262	CEF-P51-SS-262-01	HEPTACHLOR	19	U
CEF-P51-SS-282	CEF-P51-SS-282-01	HEPTACHLOR	19	U
CEF-P51-SS-173	CEF-P51-SS-173-01	HEPTACHLOR	20	U
CEF-P51-SS-215	CEF-P51-SS-215-01	HEPTACHLOR	24	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	HEPTACHLOR	55	U
CEF-P51-SS-270	CEF-P51-SS-270-01	HEPTACHLOR EPOXIDE	1.3	J
CEF-P51-SS-118	CEF-P51-SS-118-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-132	CEF-P51-SS-132-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-133	CEF-P51-SS-133-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-134	CEF-P51-SS-134-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-135	CEF-P51-SS-135-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-174	CEF-P51-SS-174-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-324	CEF-P51-SS-324-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-227	CEF-P51-SS-227-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-229	CEF-P51-SS-229-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-250	CEF-P51-SS-250-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-282	CEF-P51-SS-282-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-173	CEF-P51-SS-173-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-247	CEF-P51-SS-247-01	HEPTACHLOR EPOXIDE	3.7	U
CEF-P51-SS-249	CEF-P51-SS-249-01	HEPTACHLOR EPOXIDE	7.2	U
CEF-P51-SS-311	CEF-P51-SS-311-01	HEPTACHLOR EPOXIDE	7.6	U
CEF-P51-SS-228	CEF-P51-SS-228-01	HEPTACHLOR EPOXIDE	9.3	J
CEF-P51-SS-252	CEF-P51-SS-252-01	HEPTACHLOR EPOXIDE	9.4	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	HEPTACHLOR EPOXIDE	9.45	U
CEF-P51-SS-262	CEF-P51-SS-262-01	HEPTACHLOR EPOXIDE	9.6	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-217	CEF-P51-SS-217-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-216	CEF-P51-SS-216-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-223	CEF-P51-SS-223-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-215	CEF-P51-SS-215-01	HEPTACHLOR EPOXIDE	24	U
CEF-P51-SS-311	CEF-P51-SS-311-01	METHOXYCHLOR	30	U
CEF-P51-SS-118	CEF-P51-SS-118-01	METHOXYCHLOR	72	U
CEF-P51-SS-249	CEF-P51-SS-249-01	METHOXYCHLOR	72	U
CEF-P51-SS-324	CEF-P51-SS-324-01	METHOXYCHLOR	72	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	METHOXYCHLOR	72.5	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	METHOXYCHLOR	72.5	U
CEF-P51-SS-132	CEF-P51-SS-132-01	METHOXYCHLOR	73	U
CEF-P51-SS-133	CEF-P51-SS-133-01	METHOXYCHLOR	73	U
CEF-P51-SS-134	CEF-P51-SS-134-01	METHOXYCHLOR	74	U
CEF-P51-SS-135	CEF-P51-SS-135-01	METHOXYCHLOR	74	U
CEF-P51-SS-174	CEF-P51-SS-174-01	METHOXYCHLOR	74	U
CEF-P51-SS-247	CEF-P51-SS-247-01	METHOXYCHLOR	74	U
CEF-P51-SS-250	CEF-P51-SS-250-01	METHOXYCHLOR	74	U
CEF-P51-SS-270	CEF-P51-SS-270-01	METHOXYCHLOR	74	U
CEF-P51-SS-229	CEF-P51-SS-229-01	METHOXYCHLOR	75	U
CEF-P51-SS-252	CEF-P51-SS-252-01	METHOXYCHLOR	75	U
CEF-P51-SS-282	CEF-P51-SS-282-01	METHOXYCHLOR	75	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	METHOXYCHLOR	75	U
CEF-P51-SS-227	CEF-P51-SS-227-01	METHOXYCHLOR	76	U
CEF-P51-SS-228	CEF-P51-SS-228-01	METHOXYCHLOR	76	U
CEF-P51-SS-262	CEF-P51-SS-262-01	METHOXYCHLOR	76	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-173	CEF-P51-SS-173-01	METHOXYCHLOR	79	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	METHOXYCHLOR	222	U
CEF-P51-SS-217	CEF-P51-SS-217-01	METHOXYCHLOR	360	U
CEF-P51-SS-216	CEF-P51-SS-216-01	METHOXYCHLOR	380	U
CEF-P51-SS-223	CEF-P51-SS-223-01	METHOXYCHLOR	380	U
CEF-P51-SS-215	CEF-P51-SS-215-01	METHOXYCHLOR	480	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	TOTAL PESTICIDES	0.86	
CEF-P51-SS-282	CEF-P51-SS-282-01	TOTAL PESTICIDES	1.4	
CEF-P51-SS-173	CEF-P51-SS-173-01	TOTAL PESTICIDES	1.5	
CEF-P51-SS-229	CEF-P51-SS-229-01	TOTAL PESTICIDES	2	
CEF-P51-SS-135	CEF-P51-SS-135-01	TOTAL PESTICIDES	3.4	
CEF-P51-SS-132	CEF-P51-SS-132-01	TOTAL PESTICIDES	4.9	
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	TOTAL PESTICIDES	6.75	
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	TOTAL PESTICIDES	8.55	
CEF-P51-SS-134	CEF-P51-SS-134-01	TOTAL PESTICIDES	9.3	
CEF-P51-SS-118	CEF-P51-SS-118-01	TOTAL PESTICIDES	18.3	
CEF-P51-SS-250	CEF-P51-SS-250-01	TOTAL PESTICIDES	26.1	
CEF-P51-SS-174	CEF-P51-SS-174-01	TOTAL PESTICIDES	29.63	
CEF-P51-SS-215	CEF-P51-SS-215-01	TOTAL PESTICIDES	58.5	
CEF-P51-SS-249	CEF-P51-SS-249-01	TOTAL PESTICIDES	61.5	
CEF-P51-SS-247	CEF-P51-SS-247-01	TOTAL PESTICIDES	66.6	
CEF-P51-SS-311	CEF-P51-SS-311-01	TOTAL PESTICIDES	73.5	
CEF-P51-SS-217	CEF-P51-SS-217-01	TOTAL PESTICIDES	85.7	
CEF-P51-SS-227	CEF-P51-SS-227-01	TOTAL PESTICIDES	88.8	
CEF-P51-SS-252	CEF-P51-SS-252-01	TOTAL PESTICIDES	89.4	
CEF-P51-SS-262	CEF-P51-SS-262-01	TOTAL PESTICIDES	111.6	
CEF-P51-SS-324	CEF-P51-SS-324-01	TOTAL PESTICIDES	118.31	
CEF-P51-SS-270	CEF-P51-SS-270-01	TOTAL PESTICIDES	172.57	
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	TOTAL PESTICIDES	178.5	
CEF-P51-SS-223	CEF-P51-SS-223-01	TOTAL PESTICIDES	218.8	
CEF-P51-SS-228	CEF-P51-SS-228-01	TOTAL PESTICIDES	1089.9	
CEF-P51-SS-118	CEF-P51-SS-118-01	TOXAPHENE	180	U
CEF-P51-SS-132	CEF-P51-SS-132-01	TOXAPHENE	180	U
CEF-P51-SS-133	CEF-P51-SS-133-01	TOXAPHENE	180	U
CEF-P51-SS-134	CEF-P51-SS-134-01	TOXAPHENE	180	U
CEF-P51-SS-135	CEF-P51-SS-135-01	TOXAPHENE	180	U
CEF-P51-SS-174	CEF-P51-SS-174-01	TOXAPHENE	180	U
CEF-P51-SS-175	CEF-P51-SS-175-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-270	CEF-P51-SS-270-01	TOXAPHENE	180	U
CEF-P51-SS-324	CEF-P51-SS-324-01	TOXAPHENE	180	U
CEF-P51-SS-227	CEF-P51-SS-227-01	TOXAPHENE	190	U
CEF-P51-SS-229	CEF-P51-SS-229-01	TOXAPHENE	190	U
CEF-P51-SS-250	CEF-P51-SS-250-01	TOXAPHENE	190	U
CEF-P51-SS-282	CEF-P51-SS-282-01	TOXAPHENE	190	U
CEF-P51-SS-G13A	CEF-P51-SS-G13-01	TOXAPHENE	190	U
CEF-P51-SS-173	CEF-P51-SS-173-01	TOXAPHENE	200	U
CEF-P51-SS-247	CEF-P51-SS-247-01	TOXAPHENE	370	U
CEF-P51-SS-249	CEF-P51-SS-249-01	TOXAPHENE	720	U
CEF-P51-SS-311	CEF-P51-SS-311-01	TOXAPHENE	760	U

FAIRWAY SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-252	CEF-P51-SS-252-01	TOXAPHENE	940	U
CEF-P51-SS-281	CEF-P51-SS-281-01-AVG	TOXAPHENE	945	U
CEF-P51-SS-262	CEF-P51-SS-262-01	TOXAPHENE	960	U
CEF-P51-SS-131	CEF-P51-SS-131-01-AVG	TOXAPHENE	1800	U
CEF-P51-SS-217	CEF-P51-SS-217-01	TOXAPHENE	1800	U
CEF-P51-SS-216	CEF-P51-SS-216-01	TOXAPHENE	1900	U
CEF-P51-SS-223	CEF-P51-SS-223-01	TOXAPHENE	1900	U
CEF-P51-SS-228	CEF-P51-SS-228-01	TOXAPHENE	1900	U
CEF-P51-SS-215	CEF-P51-SS-215-01	TOXAPHENE	2400	U

E.2.4 ROUGH

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,1,1-TRICHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,1,2,2-TETRACHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,1,2-TRICHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,1-DICHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,1-DICHLOROETHENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,2,4-TRICHLOROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,2-DICHLOROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,2-DICHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,2-DICHLOROPROPANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,3-DICHLOROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	1,4-DICHLOROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,2'-OXYBIS(1-CHLOROPROPANE)	180	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	2,4,5-T	4.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	2,4,5-T	11	U
CEF-P51-SS-009	CEF-P51-SS-009-01	2,4,5-T	11	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	2,4,5-T	11	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4,5-T	12	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	2,4,5-T	12.5	U
CEF-P21-SS-014	CEF-P21-SS-014-01	2,4,5-T	13	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	2,4,5-TP (SILVEX)	4.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	2,4,5-TP (SILVEX)	11	U
CEF-P51-SS-009	CEF-P51-SS-009-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4,5-TP (SILVEX)	12	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	2,4,5-TP (SILVEX)	12.5	U
CEF-P21-SS-014	CEF-P21-SS-014-01	2,4,5-TP (SILVEX)	13	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4,5-TRICHLOROPHENOL	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4,6-TRICHLOROPHENOL	180	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	2,4-D	24	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	2,4-D	77	U
CEF-P51-SS-009	CEF-P51-SS-009-01	2,4-D	77	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	2,4-D	80	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-D	84	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	2,4-D	89	U
CEF-P21-SS-014	CEF-P21-SS-014-01	2,4-D	91	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	2,4-DB	24	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	2,4-DB	110	U
CEF-P51-SS-009	CEF-P51-SS-009-01	2,4-DB	110	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	2,4-DB	110	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-DB	120	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	2,4-DB	125	U
CEF-P21-SS-014	CEF-P21-SS-014-01	2,4-DB	130	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-DICHLOROPHENOL	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-DIMETHYLPHENOL	350	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-DINITROPHENOL	880	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,4-DINITROTOLUENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2,6-DINITROTOLUENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-BUTANONE	13.5	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-CHLORONAPHTHALENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-CHLOROPHENOL	180	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-HEXANONE	13.5	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-METHYLNAPHTHALENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-METHYLPHENOL	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-NITROANILINE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	2-NITROPHENOL	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	3,3'-DICHLOROBENZIDINE	350	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	3-NITROANILINE	180	U
CEF-P51-SS-182	CEF-P51-SS-182-01	4,4'-DDD	3.4	U
CEF-P21-SS-014	CEF-P21-SS-014-01	4,4'-DDD	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	4,4'-DDD	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	4,4'-DDD	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	4,4'-DDD	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	4,4'-DDD	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	4,4'-DDD	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	4,4'-DDD	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	4,4'-DDD	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	4,4'-DDD	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	4,4'-DDD	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	4,4'-DDD	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	4,4'-DDD	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	4,4'-DDD	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	4,4'-DDD	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	4,4'-DDD	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	4,4'-DDD	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	4,4'-DDD	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	4,4'-DDD	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	4,4'-DDD	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	4,4'-DDD	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	4,4'-DDD	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	4,4'-DDD	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	4,4'-DDD	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	4,4'-DDD	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	4,4'-DDD	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	4,4'-DDD	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	4,4'-DDD	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	4,4'-DDD	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	4,4'-DDD	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	4,4'-DDD	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	4,4'-DDD	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	4,4'-DDD	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	4,4'-DDD	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	4,4'-DDD	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	4,4'-DDD	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	4,4'-DDD	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	4,4'-DDD	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	4,4'-DDD	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	4,4'-DDD	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	4,4'-DDD	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	4,4'-DDD	3.8	U
CEF-P51-SS-171	CEF-P51-SS-171-01	4,4'-DDD	3.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-236	CEF-P51-SS-236-01	4,4'-DDD	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	4,4'-DDD	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	4,4'-DDD	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	4,4'-DDD	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	4,4'-DDD	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	4,4'-DDD	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	4,4'-DDD	3.9	U
CEF-P51-SS-162	CEF-P51-SS-162-01	4,4'-DDD	4	U
CEF-P51-SS-315	CEF-P51-SS-315-01	4,4'-DDD	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	4,4'-DDD	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	4,4'-DDD	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	4,4'-DDD	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	4,4'-DDD	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	4,4'-DDD	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	4,4'-DDD	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	4,4'-DDD	22	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	4,4'-DDD	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	4,4'-DDD	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	4,4'-DDD	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	4,4'-DDD	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	4,4'-DDD	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	4,4'-DDD	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	4,4'-DDD	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	4,4'-DDD	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	4,4'-DDD	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	4,4'-DDD	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	4,4'-DDD	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	4,4'-DDD	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	4,4'-DDD	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	4,4'-DDD	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	4,4'-DDD	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	4,4'-DDD	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	4,4'-DDD	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	4,4'-DDD	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	4,4'-DDD	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	4,4'-DDD	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	4,4'-DDD	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	4,4'-DDD	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	4,4'-DDD	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	4,4'-DDD	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	4,4'-DDD	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4,4'-DDD	71	U
CEF-P51-SS-177	CEF-P51-SS-177-01	4,4'-DDD	84.5	J
CEF-P51-SS-299	CEF-P51-SS-299-01	4,4'-DDD	94	U
CEF-P51-SS-248	CEF-P51-SS-248-01	4,4'-DDE	0.82	J
CEF-P51-SS-130	CEF-P51-SS-130-01	4,4'-DDE	0.83	J
CEF-P51-SS-285	CEF-P51-SS-285-01	4,4'-DDE	1.6	J
CEF-P51-SS-251	CEF-P51-SS-251-01	4,4'-DDE	1.8	J
CEF-P51-SS-182	CEF-P51-SS-182-01	4,4'-DDE	3.4	U
CEF-P51-SS-112	CEF-P51-SS-112-01	4,4'-DDE	3.5	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-126	CEF-P51-SS-126-01	4,4'-DDE	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	4,4'-DDE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	4,4'-DDE	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	4,4'-DDE	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	4,4'-DDE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	4,4'-DDE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	4,4'-DDE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	4,4'-DDE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	4,4'-DDE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	4,4'-DDE	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	4,4'-DDE	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	4,4'-DDE	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	4,4'-DDE	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	4,4'-DDE	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	4,4'-DDE	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	4,4'-DDE	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	4,4'-DDE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	4,4'-DDE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	4,4'-DDE	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	4,4'-DDE	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	4,4'-DDE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	4,4'-DDE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	4,4'-DDE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	4,4'-DDE	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	4,4'-DDE	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	4,4'-DDE	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	4,4'-DDE	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	4,4'-DDE	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	4,4'-DDE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	4,4'-DDE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	4,4'-DDE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	4,4'-DDE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	4,4'-DDE	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	4,4'-DDE	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	4,4'-DDE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	4,4'-DDE	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	4,4'-DDE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	4,4'-DDE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	4,4'-DDE	3.8	U
CEF-P51-SS-150	CEF-P51-SS-150-01	4,4'-DDE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	4,4'-DDE	3.9	U
CEF-P51-SS-315	CEF-P51-SS-315-01	4,4'-DDE	4.1	U
CEF-P51-SS-162	CEF-P51-SS-162-01	4,4'-DDE	4.3	
CEF-P51-SS-128	CEF-P51-SS-128-01	4,4'-DDE	4.9	
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	4,4'-DDE	7.1	J
CEF-P51-SS-171	CEF-P51-SS-171-01	4,4'-DDE	7.7	
CEF-P51-SS-244	CEF-P51-SS-244-01	4,4'-DDE	8	J
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	4,4'-DDE	8.45	U
CEF-P21-SS-014	CEF-P21-SS-014-01	4,4'-DDE	9.8	
CEF-P51-SS-235	CEF-P51-SS-235-01	4,4'-DDE	16	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-234	CEF-P51-SS-234-01	4,4'-DDE	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	4,4'-DDE	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	4,4'-DDE	19	U
CEF-P51-SS-138	CEF-P51-SS-138-01	4,4'-DDE	20	J
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	4,4'-DDE	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	4,4'-DDE	22	U
CEF-P51-SS-176	CEF-P51-SS-176-01	4,4'-DDE	28.2	J
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	4,4'-DDE	29.5	U
CEF-P51-SS-193	CEF-P51-SS-193-01	4,4'-DDE	33.3	J
CEF-P21-SS-106	CEF-P21-SS-106-01	4,4'-DDE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	4,4'-DDE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	4,4'-DDE	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	4,4'-DDE	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	4,4'-DDE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	4,4'-DDE	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	4,4'-DDE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	4,4'-DDE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	4,4'-DDE	37	U
CEF-P51-SS-192	CEF-P51-SS-192-01	4,4'-DDE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	4,4'-DDE	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	4,4'-DDE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	4,4'-DDE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	4,4'-DDE	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	4,4'-DDE	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	4,4'-DDE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	4,4'-DDE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	4,4'-DDE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	4,4'-DDE	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4,4'-DDE	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	4,4'-DDE	94	U
CEF-P51-SS-177	CEF-P51-SS-177-01	4,4'-DDE	377	
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	4,4'-DDT	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	4,4'-DDT	3.6	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	4,4'-DDT	3.6	UJ
CEF-P21-SS-014	CEF-P21-SS-014-01	4,4'-DDT	7.1	
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	4,4'-DDT	8.45	U
CEF-P51-SS-176	CEF-P51-SS-176-01	4,4'-DDT	10.1	J
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	4,4'-DDT	18	U
CEF-P51-SS-244	CEF-P51-SS-244-01	4,4'-DDT	21.1	J
CEF-P21-SS-106	CEF-P21-SS-106-01	4,4'-DDT	34	U
CEF-P51-SS-112	CEF-P51-SS-112-01	4,4'-DDT	35	U
CEF-P51-SS-126	CEF-P51-SS-126-01	4,4'-DDT	35	U
CEF-P51-SS-271	CEF-P51-SS-271-01	4,4'-DDT	35	U
CEF-P51-SS-316	CEF-P51-SS-316-01	4,4'-DDT	35	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	4,4'-DDT	35.5	U
CEF-P51-SS-117	CEF-P51-SS-117-01	4,4'-DDT	36	U
CEF-P51-SS-119	CEF-P51-SS-119-01	4,4'-DDT	36	U
CEF-P51-SS-125	CEF-P51-SS-125-01	4,4'-DDT	36	U
CEF-P51-SS-130	CEF-P51-SS-130-01	4,4'-DDT	36	U
CEF-P51-SS-140	CEF-P51-SS-140-01	4,4'-DDT	36	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-152	CEF-P51-SS-152-01	4,4'-DDT	36	U
CEF-P51-SS-153	CEF-P51-SS-153-01	4,4'-DDT	36	U
CEF-P51-SS-154	CEF-P51-SS-154-01	4,4'-DDT	36	U
CEF-P51-SS-157	CEF-P51-SS-157-01	4,4'-DDT	36	U
CEF-P51-SS-160	CEF-P51-SS-160-01	4,4'-DDT	36	U
CEF-P51-SS-178	CEF-P51-SS-178-01	4,4'-DDT	36	U
CEF-P51-SS-237	CEF-P51-SS-237-01	4,4'-DDT	36	U
CEF-P51-SS-251	CEF-P51-SS-251-01	4,4'-DDT	36	U
CEF-P51-SS-253	CEF-P51-SS-253-01	4,4'-DDT	36	U
CEF-P51-SS-269	CEF-P51-SS-269-01	4,4'-DDT	36	U
CEF-P51-SS-283	CEF-P51-SS-283-01	4,4'-DDT	36	U
CEF-P51-SS-285	CEF-P51-SS-285-01	4,4'-DDT	36	U
CEF-P51-SS-127	CEF-P51-SS-127-01	4,4'-DDT	37	U
CEF-P51-SS-137	CEF-P51-SS-137-01	4,4'-DDT	37	U
CEF-P51-SS-144	CEF-P51-SS-144-01	4,4'-DDT	37	U
CEF-P51-SS-149	CEF-P51-SS-149-01	4,4'-DDT	37	U
CEF-P51-SS-155	CEF-P51-SS-155-01	4,4'-DDT	37	U
CEF-P51-SS-156	CEF-P51-SS-156-01	4,4'-DDT	37	U
CEF-P51-SS-158	CEF-P51-SS-158-01	4,4'-DDT	37	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	4,4'-DDT	37	U
CEF-P51-SS-172	CEF-P51-SS-172-01	4,4'-DDT	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	4,4'-DDT	37	U
CEF-P51-SS-294	CEF-P51-SS-294-01	4,4'-DDT	37	U
CEF-P51-SS-305	CEF-P51-SS-305-01	4,4'-DDT	37	U
CEF-P51-SS-319	CEF-P51-SS-319-01	4,4'-DDT	37	U
CEF-P51-SS-136	CEF-P51-SS-136-01	4,4'-DDT	38	U
CEF-P51-SS-138	CEF-P51-SS-138-01	4,4'-DDT	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	4,4'-DDT	38	U
CEF-P51-SS-159	CEF-P51-SS-159-01	4,4'-DDT	38	U
CEF-P51-SS-171	CEF-P51-SS-171-01	4,4'-DDT	38	U
CEF-P51-SS-236	CEF-P51-SS-236-01	4,4'-DDT	38	U
CEF-P51-SS-260	CEF-P51-SS-260-01	4,4'-DDT	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	4,4'-DDT	38	U
CEF-P51-SS-312	CEF-P51-SS-312-01	4,4'-DDT	38	U
CEF-P51-SS-323	CEF-P51-SS-323-01	4,4'-DDT	38	U
CEF-P51-SS-128	CEF-P51-SS-128-01	4,4'-DDT	39	U
CEF-P51-SS-150	CEF-P51-SS-150-01	4,4'-DDT	39	U
CEF-P51-SS-180	CEF-P51-SS-180-01	4,4'-DDT	39	U
CEF-P51-SS-162	CEF-P51-SS-162-01	4,4'-DDT	40	U
CEF-P51-SS-235	CEF-P51-SS-235-01	4,4'-DDT	40	U
CEF-P51-SS-234	CEF-P51-SS-234-01	4,4'-DDT	43	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4,4'-DDT	71	U
CEF-P51-SS-246	CEF-P51-SS-246-01	4,4'-DDT	74	U
CEF-P51-SS-248	CEF-P51-SS-248-01	4,4'-DDT	74	U
CEF-P51-SS-330	CEF-P51-SS-330-01	4,4'-DDT	78	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	4,4'-DDT	80	U
CEF-P51-SS-315	CEF-P51-SS-315-01	4,4'-DDT	82	U
CEF-P51-SS-299	CEF-P51-SS-299-01	4,4'-DDT	94	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	4,4'-DDT	108.5	U
CEF-P51-SS-259	CEF-P51-SS-259-01	4,4'-DDT	110	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-182	CEF-P51-SS-182-01	4,4'-DDT	170	U
CEF-P51-SS-190	CEF-P51-SS-190-01	4,4'-DDT	180	U
CEF-P51-SS-194	CEF-P51-SS-194-01	4,4'-DDT	180	U
CEF-P51-SS-198	CEF-P51-SS-198-01	4,4'-DDT	180	U
CEF-P51-SS-202	CEF-P51-SS-202-01	4,4'-DDT	180	U
CEF-P51-SS-218	CEF-P51-SS-218-01	4,4'-DDT	180	U
CEF-P51-SS-224	CEF-P51-SS-224-01	4,4'-DDT	180	U
CEF-P51-SS-168	CEF-P51-SS-168-01	4,4'-DDT	190	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	4,4'-DDT	190	U
CEF-P51-SS-192	CEF-P51-SS-192-01	4,4'-DDT	190	U
CEF-P51-SS-193	CEF-P51-SS-193-01	4,4'-DDT	190	U
CEF-P51-SS-195	CEF-P51-SS-195-01	4,4'-DDT	190	U
CEF-P51-SS-204	CEF-P51-SS-204-01	4,4'-DDT	200	U
CEF-P51-SS-222	CEF-P51-SS-222-01	4,4'-DDT	200	U
CEF-P51-SS-213	CEF-P51-SS-213-01	4,4'-DDT	210	U
CEF-P51-SS-212	CEF-P51-SS-212-01	4,4'-DDT	220	U
CEF-P51-SS-214	CEF-P51-SS-214-01	4,4'-DDT	220	U
CEF-P51-SS-177	CEF-P51-SS-177-01	4,4'-DDT	311	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4,6-DINITRO-2-METHYLPHENOL	350	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-BROMOPHENYL PHENYL ETHER	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-CHLORO-3-METHYLPHENOL	350	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-CHLOROANILINE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-CHLOROPHENYL PHENYL ETHER	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-METHYL-2-PENTANONE	13.5	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-METHYLPHENOL	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-NITROANILINE	180	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	4-NITROPHENOL	220	U
CEF-P51-SS-009	CEF-P51-SS-009-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	4-NITROPHENOL	230	UJ
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	4-NITROPHENOL	255	U
CEF-P21-SS-014	CEF-P21-SS-014-01	4-NITROPHENOL	260	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	4-NITROPHENOL	560	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ACENAPHTHENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ACENAPHTHYLENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ACETONE	67	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ALDRIN	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ALDRIN	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ALDRIN	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ALDRIN	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ALDRIN	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ALDRIN	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ALDRIN	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ALDRIN	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ALDRIN	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ALDRIN	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ALDRIN	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ALDRIN	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ALDRIN	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ALDRIN	1.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ALDRIN	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ALDRIN	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ALDRIN	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ALDRIN	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ALDRIN	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ALDRIN	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ALDRIN	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ALDRIN	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ALDRIN	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ALDRIN	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ALDRIN	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ALDRIN	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ALDRIN	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ALDRIN	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ALDRIN	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ALDRIN	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ALDRIN	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ALDRIN	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ALDRIN	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ALDRIN	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ALDRIN	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ALDRIN	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ALDRIN	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ALDRIN	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ALDRIN	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ALDRIN	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ALDRIN	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ALDRIN	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ALDRIN	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ALDRIN	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ALDRIN	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ALDRIN	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ALDRIN	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ALDRIN	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ALDRIN	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ALDRIN	4.2	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ALDRIN	5.2	J
CEF-P51-SS-235	CEF-P51-SS-235-01	ALDRIN	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ALDRIN	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ALDRIN	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ALDRIN	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ALDRIN	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ALDRIN	11	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ALDRIN	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ALDRIN	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ALDRIN	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ALDRIN	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ALDRIN	18	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-198	CEF-P51-SS-198-01	ALDRIN	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ALDRIN	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ALDRIN	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ALDRIN	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ALDRIN	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ALDRIN	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ALDRIN	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ALDRIN	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ALDRIN	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ALDRIN	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ALDRIN	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ALDRIN	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ALDRIN	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ALDRIN	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ALDRIN	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ALDRIN	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ALDRIN	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ALDRIN	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ALDRIN	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ALDRIN	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ALDRIN	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ALDRIN	88	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ALPHA-BHC	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ALPHA-BHC	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ALPHA-BHC	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ALPHA-BHC	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ALPHA-BHC	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ALPHA-BHC	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ALPHA-BHC	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ALPHA-BHC	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ALPHA-BHC	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ALPHA-BHC	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ALPHA-BHC	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ALPHA-BHC	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ALPHA-BHC	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ALPHA-BHC	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ALPHA-BHC	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ALPHA-BHC	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ALPHA-BHC	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ALPHA-BHC	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ALPHA-BHC	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ALPHA-BHC	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ALPHA-BHC	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ALPHA-BHC	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ALPHA-BHC	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ALPHA-BHC	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ALPHA-BHC	1.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-248	CEF-P51-SS-248-01	ALPHA-BHC	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ALPHA-BHC	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ALPHA-BHC	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ALPHA-BHC	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ALPHA-BHC	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ALPHA-BHC	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ALPHA-BHC	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ALPHA-BHC	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ALPHA-BHC	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ALPHA-BHC	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ALPHA-BHC	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ALPHA-BHC	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ALPHA-BHC	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ALPHA-BHC	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ALPHA-BHC	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ALPHA-BHC	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ALPHA-BHC	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ALPHA-BHC	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ALPHA-BHC	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ALPHA-BHC	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ALPHA-BHC	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ALPHA-BHC	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ALPHA-BHC	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ALPHA-BHC	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ALPHA-BHC	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ALPHA-BHC	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ALPHA-BHC	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ALPHA-BHC	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ALPHA-BHC	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ALPHA-BHC	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ALPHA-BHC	11	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ALPHA-BHC	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ALPHA-BHC	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ALPHA-BHC	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ALPHA-BHC	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ALPHA-BHC	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ALPHA-BHC	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ALPHA-BHC	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ALPHA-BHC	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ALPHA-BHC	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ALPHA-BHC	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ALPHA-BHC	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ALPHA-BHC	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ALPHA-BHC	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ALPHA-BHC	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ALPHA-BHC	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ALPHA-BHC	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ALPHA-BHC	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ALPHA-BHC	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ALPHA-BHC	19	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-222	CEF-P51-SS-222-01	ALPHA-BHC	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ALPHA-BHC	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ALPHA-BHC	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ALPHA-BHC	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ALPHA-BHC	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ALPHA-BHC	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ALPHA-BHC	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ALPHA-BHC	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ALPHA-BHC	88	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ALPHA-CHLORDANE	1.2	J
CEF-P51-SS-285	CEF-P51-SS-285-01	ALPHA-CHLORDANE	1.7	J
CEF-P51-SS-130	CEF-P51-SS-130-01	ALPHA-CHLORDANE	2.4	J
CEF-P51-SS-271	CEF-P51-SS-271-01	ALPHA-CHLORDANE	2.6	J
CEF-P51-SS-182	CEF-P51-SS-182-01	ALPHA-CHLORDANE	3.4	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ALPHA-CHLORDANE	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ALPHA-CHLORDANE	3.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-260	CEF-P51-SS-260-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ALPHA-CHLORDANE	4.8	
CEF-P51-SS-171	CEF-P51-SS-171-01	ALPHA-CHLORDANE	7.2	J
CEF-P51-SS-128	CEF-P51-SS-128-01	ALPHA-CHLORDANE	7.6	
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ALPHA-CHLORDANE	8.45	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ALPHA-CHLORDANE	8.9	
CEF-P51-SS-315	CEF-P51-SS-315-01	ALPHA-CHLORDANE	12.1	
CEF-P51-SS-162	CEF-P51-SS-162-01	ALPHA-CHLORDANE	14.7	R
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ALPHA-CHLORDANE	15.7	J
CEF-P51-SS-235	CEF-P51-SS-235-01	ALPHA-CHLORDANE	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ALPHA-CHLORDANE	17	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ALPHA-CHLORDANE	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ALPHA-CHLORDANE	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ALPHA-CHLORDANE	22	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ALPHA-CHLORDANE	26.8	J
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ALPHA-CHLORDANE	26.95	
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ALPHA-CHLORDANE	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ALPHA-CHLORDANE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ALPHA-CHLORDANE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ALPHA-CHLORDANE	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ALPHA-CHLORDANE	40.2	
CEF-P51-SS-222	CEF-P51-SS-222-01	ALPHA-CHLORDANE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ALPHA-CHLORDANE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ALPHA-CHLORDANE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ALPHA-CHLORDANE	45	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ALPHA-CHLORDANE	77.4	
CEF-P51-SS-177	CEF-P51-SS-177-01	ALPHA-CHLORDANE	85.6	J
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ALPHA-CHLORDANE	91.85	
CEF-P51-SS-299	CEF-P51-SS-299-01	ALPHA-CHLORDANE	94	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ALPHA-CHLORDANE	226	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ALUMINUM	2080	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ANTHRACENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ANTIMONY	0.35	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1016	34	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1016	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1016	710	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1221	34	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1221	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1221	710	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1232	34	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1232	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1232	710	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1242	34	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1242	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1242	710	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1248	34	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1248	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1248	710	U
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1254	140	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1254	530	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1254	1068	
CEF-P21-SS-106	CEF-P21-SS-106-01	AROCLOR-1260	140	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	AROCLOR-1260	530	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AROCLOR-1260	710	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ARSENIC	0.29	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ARSENIC	0.35	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ARSENIC	0.35	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ARSENIC	0.36	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ARSENIC	0.36	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ARSENIC	0.36	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ARSENIC	0.37	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ARSENIC	0.37	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ARSENIC	0.37	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ARSENIC	0.37	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ARSENIC	0.37	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ARSENIC	0.38	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ARSENIC	0.38	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ARSENIC	0.38	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ARSENIC	0.39	
CEF-P51-SS-202	CEF-P51-SS-202-01	ARSENIC	0.4	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ARSENIC	0.4	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ARSENIC	0.41	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ARSENIC	0.41	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ARSENIC	0.41	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ARSENIC	0.43	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ARSENIC	0.455	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ARSENIC	0.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ARSENIC	0.52	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ARSENIC	0.535	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ARSENIC	0.54	
CEF-P51-SS-251	CEF-P51-SS-251-01	ARSENIC	0.54	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ARSENIC	0.54	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ARSENIC	0.6	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ARSENIC	0.63	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-198	CEF-P51-SS-198-01	ARSENIC	0.78	
CEF-P51-SS-260	CEF-P51-SS-260-01	ARSENIC	0.78	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ARSENIC	0.84	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ARSENIC	0.93	
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ARSENIC	0.94	
CEF-P51-SS-285	CEF-P51-SS-285-01	ARSENIC	0.94	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ARSENIC	1	
CEF-P51-SS-126	CEF-P51-SS-126-01	ARSENIC	1.1	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ARSENIC	1.1	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ARSENIC	1.3	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ARSENIC	1.3	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ARSENIC	1.4	
CEF-P51-SS-214	CEF-P51-SS-214-01	ARSENIC	1.4	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ARSENIC	1.5	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ARSENIC	1.7	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ARSENIC	1.7	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ARSENIC	1.7	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ARSENIC	1.8	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ARSENIC	2	
CEF-P51-SS-280	CEF-P51-SS-280-01	ARSENIC	2	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ARSENIC	2.3	
CEF-P51-SS-283	CEF-P51-SS-283-01	ARSENIC	2.3	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ARSENIC	2.4	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ARSENIC	2.5	
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ARSENIC	2.8	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ARSENIC	2.8	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ARSENIC	3	
CEF-P51-SS-195	CEF-P51-SS-195-01	ARSENIC	3	
CEF-P51-SS-312	CEF-P51-SS-312-01	ARSENIC	3.2	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ARSENIC	3.3	
CEF-P51-SS-176	CEF-P51-SS-176-01	ARSENIC	3.3	
CEF-P51-SS-125	CEF-P51-SS-125-01	ARSENIC	3.4	
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ARSENIC	3.5	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ARSENIC	3.7	
CEF-P51-SS-222	CEF-P51-SS-222-01	ARSENIC	3.7	
CEF-P51-SS-234	CEF-P51-SS-234-01	ARSENIC	3.7	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ARSENIC	3.8	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ARSENIC	4.5	
CEF-P51-SS-168	CEF-P51-SS-168-01	ARSENIC	4.6	
CEF-P51-SS-319	CEF-P51-SS-319-01	ARSENIC	4.6	
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ARSENIC	4.95	
CEF-P51-SS-128	CEF-P51-SS-128-01	ARSENIC	5	
CEF-P51-SS-271	CEF-P51-SS-271-01	ARSENIC	5	
CEF-P51-SS-246	CEF-P51-SS-246-01	ARSENIC	5.2	
CEF-P51-SS-172	CEF-P51-SS-172-01	ARSENIC	5.3	
CEF-P51-SS-212	CEF-P51-SS-212-01	ARSENIC	5.3	
CEF-P51-SS-162	CEF-P51-SS-162-01	ARSENIC	5.4	
CEF-P51-SS-259	CEF-P51-SS-259-01	ARSENIC	5.4	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ARSENIC	5.8	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ARSENIC	5.95	

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-178	CEF-P51-SS-178-01	ARSENIC	7	
CEF-P51-SS-136	CEF-P51-SS-136-01	ARSENIC	7.3	
CEF-P51-SS-323	CEF-P51-SS-323-01	ARSENIC	7.5	
CEF-P51-SS-315	CEF-P51-SS-315-01	ARSENIC	7.8	
CEF-P51-SS-299	CEF-P51-SS-299-01	ARSENIC	8.7	
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ARSENIC	9.3	
CEF-P51-SS-127	CEF-P51-SS-127-01	ARSENIC	10.9	
90S003	90S00301 [08/28/98]	ARSENIC	16	
CEF-P51-SS-009	CEF-P51-SS-009-01	AZINPHOS METHYL	460	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	AZINPHOS METHYL	480	U
CEF-P51-SS-010	CEF-P51-SS-010-01	AZINPHOS METHYL	480	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	AZINPHOS METHYL	1300	U
CEF-P21-SS-014	CEF-P21-SS-014-01	AZINPHOS METHYL	1500	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BARIUM	11	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZO(A)ANTHRACENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZO(A)PYRENE	88	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZO(B)FLUORANTHENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZO(G,H,I)PERYLENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BENZO(K)FLUORANTHENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BERYLLIUM	0.2	U
CEF-P21-SS-014	CEF-P21-SS-014-01	BETA-BHC	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	BETA-BHC	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	BETA-BHC	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	BETA-BHC	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	BETA-BHC	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	BETA-BHC	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	BETA-BHC	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	BETA-BHC	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	BETA-BHC	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	BETA-BHC	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	BETA-BHC	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	BETA-BHC	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	BETA-BHC	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	BETA-BHC	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	BETA-BHC	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	BETA-BHC	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	BETA-BHC	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	BETA-BHC	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	BETA-BHC	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	BETA-BHC	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	BETA-BHC	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	BETA-BHC	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	BETA-BHC	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	BETA-BHC	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	BETA-BHC	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	BETA-BHC	1.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-251	CEF-P51-SS-251-01	BETA-BHC	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	BETA-BHC	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	BETA-BHC	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	BETA-BHC	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	BETA-BHC	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	BETA-BHC	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	BETA-BHC	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	BETA-BHC	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	BETA-BHC	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	BETA-BHC	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	BETA-BHC	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	BETA-BHC	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	BETA-BHC	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	BETA-BHC	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	BETA-BHC	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	BETA-BHC	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	BETA-BHC	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	BETA-BHC	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	BETA-BHC	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	BETA-BHC	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	BETA-BHC	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	BETA-BHC	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	BETA-BHC	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	BETA-BHC	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	BETA-BHC	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	BETA-BHC	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	BETA-BHC	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	BETA-BHC	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	BETA-BHC	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	BETA-BHC	11	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	BETA-BHC	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	BETA-BHC	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	BETA-BHC	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	BETA-BHC	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	BETA-BHC	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	BETA-BHC	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	BETA-BHC	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	BETA-BHC	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	BETA-BHC	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	BETA-BHC	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	BETA-BHC	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	BETA-BHC	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	BETA-BHC	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	BETA-BHC	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	BETA-BHC	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	BETA-BHC	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	BETA-BHC	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	BETA-BHC	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	BETA-BHC	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	BETA-BHC	20	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	BETA-BHC	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	BETA-BHC	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	BETA-BHC	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	BETA-BHC	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	BETA-BHC	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BETA-BHC	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	BETA-BHC	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	BETA-BHC	88	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BIS(2-CHLOROETHOXY)METHANE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BIS(2-CHLOROETHYL)ETHER	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BIS(2-ETHYLHEXYL)PHTHALATE	180	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	BOLSTAR	100	U
CEF-P51-SS-009	CEF-P51-SS-009-01	BOLSTAR	100	U
CEF-P51-SS-010	CEF-P51-SS-010-01	BOLSTAR	100	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BOLSTAR	290	U
CEF-P21-SS-014	CEF-P21-SS-014-01	BOLSTAR	330	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BROMODICHLOROMETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BROMOFORM	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BROMOMETHANE	6.7	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	BUTYL BENZYL PHTHALATE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CADMIUM	0.62	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CALCIUM	1500	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CARBAZOLE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CARBON DISULFIDE	13.5	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CARBON TETRACHLORIDE	2.65	U
CEF-P21-SS-014	CEF-P21-SS-014-01	CHLORDANE	15.5	
CEF-P51-SS-182	CEF-P51-SS-182-01	CHLORDANE	17	U
CEF-P51-SS-316	CEF-P51-SS-316-01	CHLORDANE	17	U
CEF-P51-SS-112	CEF-P51-SS-112-01	CHLORDANE	18	U
CEF-P51-SS-117	CEF-P51-SS-117-01	CHLORDANE	18	U
CEF-P51-SS-119	CEF-P51-SS-119-01	CHLORDANE	18	U
CEF-P51-SS-125	CEF-P51-SS-125-01	CHLORDANE	18	U
CEF-P51-SS-126	CEF-P51-SS-126-01	CHLORDANE	18	U
CEF-P51-SS-127	CEF-P51-SS-127-01	CHLORDANE	18	U
CEF-P51-SS-130	CEF-P51-SS-130-01	CHLORDANE	18	U
CEF-P51-SS-140	CEF-P51-SS-140-01	CHLORDANE	18	U
CEF-P51-SS-149	CEF-P51-SS-149-01	CHLORDANE	18	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	CHLORDANE	18	U
CEF-P51-SS-152	CEF-P51-SS-152-01	CHLORDANE	18	U
CEF-P51-SS-153	CEF-P51-SS-153-01	CHLORDANE	18	U
CEF-P51-SS-154	CEF-P51-SS-154-01	CHLORDANE	18	U
CEF-P51-SS-155	CEF-P51-SS-155-01	CHLORDANE	18	U
CEF-P51-SS-157	CEF-P51-SS-157-01	CHLORDANE	18	U
CEF-P51-SS-158	CEF-P51-SS-158-01	CHLORDANE	18	U
CEF-P51-SS-160	CEF-P51-SS-160-01	CHLORDANE	18	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	CHLORDANE	18	U
CEF-P51-SS-172	CEF-P51-SS-172-01	CHLORDANE	18	U
CEF-P51-SS-178	CEF-P51-SS-178-01	CHLORDANE	18	U
CEF-P51-SS-237	CEF-P51-SS-237-01	CHLORDANE	18	U
CEF-P51-SS-246	CEF-P51-SS-246-01	CHLORDANE	18	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-253	CEF-P51-SS-253-01	CHLORDANE	18	U
CEF-P51-SS-269	CEF-P51-SS-269-01	CHLORDANE	18	U
CEF-P51-SS-283	CEF-P51-SS-283-01	CHLORDANE	18	U
CEF-P51-SS-285	CEF-P51-SS-285-01	CHLORDANE	18	U
CEF-P51-SS-294	CEF-P51-SS-294-01	CHLORDANE	18	U
CEF-P51-SS-319	CEF-P51-SS-319-01	CHLORDANE	18	U
CEF-P51-SS-136	CEF-P51-SS-136-01	CHLORDANE	19	U
CEF-P51-SS-137	CEF-P51-SS-137-01	CHLORDANE	19	U
CEF-P51-SS-156	CEF-P51-SS-156-01	CHLORDANE	19	U
CEF-P51-SS-159	CEF-P51-SS-159-01	CHLORDANE	19	U
CEF-P51-SS-171	CEF-P51-SS-171-01	CHLORDANE	19	U
CEF-P51-SS-236	CEF-P51-SS-236-01	CHLORDANE	19	U
CEF-P51-SS-260	CEF-P51-SS-260-01	CHLORDANE	19	U
CEF-P51-SS-305	CEF-P51-SS-305-01	CHLORDANE	19	U
CEF-P51-SS-312	CEF-P51-SS-312-01	CHLORDANE	19	U
CEF-P51-SS-323	CEF-P51-SS-323-01	CHLORDANE	19	U
CEF-P51-SS-330	CEF-P51-SS-330-01	CHLORDANE	19	U
CEF-P51-SS-150	CEF-P51-SS-150-01	CHLORDANE	20	U
CEF-P51-SS-162	CEF-P51-SS-162-01	CHLORDANE	20	U
CEF-P51-SS-248	CEF-P51-SS-248-01	CHLORDANE	42.2	J
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	CHLORDANE	45.45	
CEF-P51-SS-271	CEF-P51-SS-271-01	CHLORDANE	45.8	J
CEF-P51-SS-128	CEF-P51-SS-128-01	CHLORDANE	62	
CEF-P51-SS-235	CEF-P51-SS-235-01	CHLORDANE	79	U
CEF-P51-SS-234	CEF-P51-SS-234-01	CHLORDANE	86	U
CEF-P51-SS-251	CEF-P51-SS-251-01	CHLORDANE	87.5	J
CEF-P51-SS-180	CEF-P51-SS-180-01	CHLORDANE	96	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	CHLORDANE	99	U
CEF-P51-SS-315	CEF-P51-SS-315-01	CHLORDANE	105	J
CEF-P51-SS-259	CEF-P51-SS-259-01	CHLORDANE	110	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	CHLORDANE	150	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLORDANE	169.45	
CEF-P51-SS-144	CEF-P51-SS-144-01	CHLORDANE	180	U
CEF-P51-SS-176	CEF-P51-SS-176-01	CHLORDANE	180	U
CEF-P51-SS-190	CEF-P51-SS-190-01	CHLORDANE	180	U
CEF-P51-SS-194	CEF-P51-SS-194-01	CHLORDANE	180	U
CEF-P51-SS-198	CEF-P51-SS-198-01	CHLORDANE	180	U
CEF-P51-SS-202	CEF-P51-SS-202-01	CHLORDANE	180	U
CEF-P51-SS-218	CEF-P51-SS-218-01	CHLORDANE	180	U
CEF-P51-SS-224	CEF-P51-SS-224-01	CHLORDANE	180	U
CEF-P51-SS-261	CEF-P51-SS-261-01	CHLORDANE	180	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	CHLORDANE	186.5	J
CEF-P51-SS-138	CEF-P51-SS-138-01	CHLORDANE	190	U
CEF-P51-SS-168	CEF-P51-SS-168-01	CHLORDANE	190	U
CEF-P51-SS-192	CEF-P51-SS-192-01	CHLORDANE	190	U
CEF-P51-SS-193	CEF-P51-SS-193-01	CHLORDANE	190	U
CEF-P51-SS-195	CEF-P51-SS-195-01	CHLORDANE	190	U
CEF-P51-SS-204	CEF-P51-SS-204-01	CHLORDANE	190	U
CEF-P51-SS-222	CEF-P51-SS-222-01	CHLORDANE	200	U
CEF-P51-SS-213	CEF-P51-SS-213-01	CHLORDANE	210	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-214	CEF-P51-SS-214-01	CHLORDANE	210	U
CEF-P51-SS-212	CEF-P51-SS-212-01	CHLORDANE	220	U
CEF-P51-SS-244	CEF-P51-SS-244-01	CHLORDANE	417	J
CEF-P51-SS-299	CEF-P51-SS-299-01	CHLORDANE	470	U
CEF-P51-SS-177	CEF-P51-SS-177-01	CHLORDANE	880	U
CEF-P51-SS-280	CEF-P51-SS-280-01	CHLORDANE	1130	J
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	CHLORDANE	2340	J
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLOROBENZENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLORODIBROMOMETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLOROETHANE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLOROFORM	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLOROMETHANE	6.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	CHLORPYRIFOS	110	U
CEF-P51-SS-009	CEF-P51-SS-009-01	CHLORPYRIFOS	110	U
CEF-P51-SS-010	CEF-P51-SS-010-01	CHLORPYRIFOS	110	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHLORPYRIFOS	310	U
CEF-P21-SS-014	CEF-P21-SS-014-01	CHLORPYRIFOS	360	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHROMIUM	14.6	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CHRYSENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CIS-1,2-DICHLOROETHENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CIS-1,3-DICHLOROPROPENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	COBALT	0.225	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	COPPER	8.15	
CEF-P51-SS-009	CEF-P51-SS-009-01	COUMAPHOS	550	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	COUMAPHOS	560	U
CEF-P51-SS-010	CEF-P51-SS-010-01	COUMAPHOS	570	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	COUMAPHOS	1600	U
CEF-P21-SS-014	CEF-P21-SS-014-01	COUMAPHOS	1800	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	CYANIDE	0.53	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	DALAPON	4.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DALAPON	220	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DALAPON	220	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	DALAPON	230	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DALAPON	240	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DALAPON	255	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DALAPON	260	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DELTA-BHC	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	DELTA-BHC	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	DELTA-BHC	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DELTA-BHC	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DELTA-BHC	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	DELTA-BHC	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	DELTA-BHC	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	DELTA-BHC	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	DELTA-BHC	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	DELTA-BHC	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	DELTA-BHC	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	DELTA-BHC	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	DELTA-BHC	1.8	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-149	CEF-P51-SS-149-01	DELTA-BHC	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	DELTA-BHC	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	DELTA-BHC	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	DELTA-BHC	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	DELTA-BHC	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	DELTA-BHC	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	DELTA-BHC	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	DELTA-BHC	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	DELTA-BHC	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	DELTA-BHC	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	DELTA-BHC	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	DELTA-BHC	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	DELTA-BHC	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	DELTA-BHC	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	DELTA-BHC	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	DELTA-BHC	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	DELTA-BHC	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	DELTA-BHC	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	DELTA-BHC	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	DELTA-BHC	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	DELTA-BHC	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	DELTA-BHC	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	DELTA-BHC	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	DELTA-BHC	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	DELTA-BHC	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	DELTA-BHC	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	DELTA-BHC	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	DELTA-BHC	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	DELTA-BHC	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	DELTA-BHC	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	DELTA-BHC	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	DELTA-BHC	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	DELTA-BHC	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	DELTA-BHC	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	DELTA-BHC	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	DELTA-BHC	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DELTA-BHC	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	DELTA-BHC	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	DELTA-BHC	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	DELTA-BHC	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	DELTA-BHC	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	DELTA-BHC	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	DELTA-BHC	11	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	DELTA-BHC	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	DELTA-BHC	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	DELTA-BHC	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	DELTA-BHC	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	DELTA-BHC	18	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-194	CEF-P51-SS-194-01	DELTA-BHC	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	DELTA-BHC	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	DELTA-BHC	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	DELTA-BHC	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	DELTA-BHC	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	DELTA-BHC	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	DELTA-BHC	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	DELTA-BHC	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	DELTA-BHC	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	DELTA-BHC	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	DELTA-BHC	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	DELTA-BHC	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	DELTA-BHC	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	DELTA-BHC	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	DELTA-BHC	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	DELTA-BHC	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	DELTA-BHC	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	DELTA-BHC	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	DELTA-BHC	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	DELTA-BHC	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DELTA-BHC	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	DELTA-BHC	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	DELTA-BHC	88	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DEMETON	100	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DEMETON	110	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DEMETON	110	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DEMETON	300	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DEMETON	340	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DIAZINON	210	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DIAZINON	210	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DIAZINON	220	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIAZINON	600	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DIAZINON	680	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIBENZO(A,H)ANTHRACENE	88	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIBENZOFURAN	180	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DICAMBA	22	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DICAMBA	22	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	DICAMBA	23	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DICAMBA	24	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	DICAMBA	24	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DICAMBA	25.5	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DICAMBA	26	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	DICHLOROPROP	24	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DICHLOROPROP	54.5	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DICHLOROPROP	55	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	DICHLOROPROP	57	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DICHLOROPROP	60	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DICHLOROPROP	63.5	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DICHLOROPROP	65	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DICHLORVOS	93	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DICHLORVOS	96	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DICHLORVOS	96	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DICHLORVOS	270	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DICHLORVOS	300	UJ
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	DIELDRIN	0.9	J
CEF-P51-SS-305	CEF-P51-SS-305-01	DIELDRIN	0.97	J
CEF-P51-SS-130	CEF-P51-SS-130-01	DIELDRIN	1	J
CEF-P51-SS-150	CEF-P51-SS-150-01	DIELDRIN	1.3	J
CEF-P51-SS-251	CEF-P51-SS-251-01	DIELDRIN	1.4	J
CEF-P51-SS-172	CEF-P51-SS-172-01	DIELDRIN	1.6	J
CEF-P51-SS-182	CEF-P51-SS-182-01	DIELDRIN	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	DIELDRIN	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DIELDRIN	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DIELDRIN	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	DIELDRIN	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	DIELDRIN	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	DIELDRIN	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	DIELDRIN	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	DIELDRIN	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	DIELDRIN	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	DIELDRIN	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	DIELDRIN	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	DIELDRIN	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	DIELDRIN	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	DIELDRIN	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	DIELDRIN	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	DIELDRIN	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	DIELDRIN	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	DIELDRIN	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	DIELDRIN	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	DIELDRIN	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	DIELDRIN	1.9	
CEF-P51-SS-156	CEF-P51-SS-156-01	DIELDRIN	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	DIELDRIN	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	DIELDRIN	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	DIELDRIN	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	DIELDRIN	1.9	U
CEF-P51-SS-178	CEF-P51-SS-178-01	DIELDRIN	2	
CEF-P51-SS-271	CEF-P51-SS-271-01	DIELDRIN	2.2	
CEF-P51-SS-330	CEF-P51-SS-330-01	DIELDRIN	2.2	
CEF-P51-SS-126	CEF-P51-SS-126-01	DIELDRIN	2.6	
CEF-P51-SS-246	CEF-P51-SS-246-01	DIELDRIN	2.7	
CEF-P51-SS-323	CEF-P51-SS-323-01	DIELDRIN	2.9	
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DIELDRIN	4.2	U
CEF-P51-SS-171	CEF-P51-SS-171-01	DIELDRIN	5	
CEF-P51-SS-149	CEF-P51-SS-149-01	DIELDRIN	5.8	
CEF-P51-SS-248	CEF-P51-SS-248-01	DIELDRIN	5.9	
CEF-P51-SS-127	CEF-P51-SS-127-01	DIELDRIN	6.7	

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-285	CEF-P51-SS-285-01	DIELDRIN	7.3	
CEF-P51-SS-235	CEF-P51-SS-235-01	DIELDRIN	7.9	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DIELDRIN	8.4	
CEF-P51-SS-234	CEF-P51-SS-234-01	DIELDRIN	8.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	DIELDRIN	9.9	U
CEF-P51-SS-194	CEF-P51-SS-194-01	DIELDRIN	11.6	J
CEF-P21-SS-106	CEF-P21-SS-106-01	DIELDRIN	17	U
CEF-P51-SS-315	CEF-P51-SS-315-01	DIELDRIN	17.2	
CEF-P51-SS-190	CEF-P51-SS-190-01	DIELDRIN	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	DIELDRIN	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	DIELDRIN	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	DIELDRIN	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	DIELDRIN	18	U
CEF-P51-SS-319	CEF-P51-SS-319-01	DIELDRIN	18.4	
CEF-P51-SS-168	CEF-P51-SS-168-01	DIELDRIN	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	DIELDRIN	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	DIELDRIN	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	DIELDRIN	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	DIELDRIN	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	DIELDRIN	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	DIELDRIN	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	DIELDRIN	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	DIELDRIN	22	U
CEF-P51-SS-128	CEF-P51-SS-128-01	DIELDRIN	32.1	
CEF-P51-SS-162	CEF-P51-SS-162-01	DIELDRIN	32.1	
CEF-P51-SS-176	CEF-P51-SS-176-01	DIELDRIN	59.3	
CEF-P51-SS-180	CEF-P51-SS-180-01	DIELDRIN	66	
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	DIELDRIN	69.65	
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	DIELDRIN	71.5	
CEF-P51-SS-259	CEF-P51-SS-259-01	DIELDRIN	73.4	
CEF-P51-SS-244	CEF-P51-SS-244-01	DIELDRIN	93.6	
CEF-P51-SS-125	CEF-P51-SS-125-01	DIELDRIN	119	
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	DIELDRIN	129	
CEF-P51-SS-144	CEF-P51-SS-144-01	DIELDRIN	144	
CEF-P51-SS-261	CEF-P51-SS-261-01	DIELDRIN	156	
CEF-P51-SS-280	CEF-P51-SS-280-01	DIELDRIN	199	
CEF-P51-SS-138	CEF-P51-SS-138-01	DIELDRIN	225	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIELDRIN	283.5	
CEF-P51-SS-299	CEF-P51-SS-299-01	DIELDRIN	443	
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	DIELDRIN	600	
CEF-P51-SS-177	CEF-P51-SS-177-01	DIELDRIN	621	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIETHYL PHTHALATE	180	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DIMETHOATE	42	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DIMETHOATE	43	U
CEF-P51-SS-010	CEF-P51-SS-010-01	DIMETHOATE	43	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIMETHOATE	120	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DIMETHOATE	140	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DIMETHYL PHTHALATE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DI-N-BUTYL PHTHALATE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DI-N-OCTYL PHTHALATE	180	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DINOSEB	22	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DINOSEB	22	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	DINOSEB	23	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DINOSEB	24	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	DINOSEB	24	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	DINOSEB	25.5	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DINOSEB	26	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	DISULFOTON	130	U
CEF-P51-SS-009	CEF-P51-SS-009-01	DISULFOTON	130	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	DISULFOTON	140	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	DISULFOTON	380	U
CEF-P21-SS-014	CEF-P21-SS-014-01	DISULFOTON	430	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDOSULFAN I	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDOSULFAN I	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDOSULFAN I	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDOSULFAN I	1.9	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDOSULFAN I	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDOSULFAN I	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDOSULFAN I	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDOSULFAN I	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDOSULFAN I	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDOSULFAN I	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDOSULFAN I	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDOSULFAN I	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDOSULFAN I	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDOSULFAN I	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDOSULFAN I	11	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDOSULFAN I	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDOSULFAN I	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDOSULFAN I	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDOSULFAN I	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDOSULFAN I	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDOSULFAN I	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDOSULFAN I	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDOSULFAN I	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDOSULFAN I	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDOSULFAN I	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDOSULFAN I	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDOSULFAN I	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDOSULFAN I	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDOSULFAN I	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDOSULFAN I	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDOSULFAN I	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDOSULFAN I	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDOSULFAN I	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDOSULFAN I	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDOSULFAN I	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDOSULFAN I	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDOSULFAN I	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDOSULFAN I	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDOSULFAN I	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDOSULFAN I	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDOSULFAN I	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDOSULFAN I	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDOSULFAN I	88	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDOSULFAN II	3.4	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDOSULFAN II	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDOSULFAN II	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDOSULFAN II	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDOSULFAN II	4	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDOSULFAN II	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDOSULFAN II	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDOSULFAN II	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDOSULFAN II	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDOSULFAN II	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDOSULFAN II	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDOSULFAN II	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDOSULFAN II	22	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDOSULFAN II	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDOSULFAN II	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDOSULFAN II	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDOSULFAN II	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDOSULFAN II	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDOSULFAN II	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDOSULFAN II	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDOSULFAN II	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDOSULFAN II	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDOSULFAN II	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDOSULFAN II	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDOSULFAN II	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDOSULFAN II	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDOSULFAN II	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDOSULFAN II	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDOSULFAN II	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDOSULFAN II	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDOSULFAN II	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDOSULFAN II	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDOSULFAN II	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDOSULFAN II	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDOSULFAN II	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDOSULFAN II	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDOSULFAN II	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDOSULFAN II	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDOSULFAN II	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDOSULFAN II	94	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDOSULFAN II	180	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDOSULFAN SULFATE	3.4	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDOSULFAN SULFATE	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDOSULFAN SULFATE	3.6	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDOSULFAN SULFATE	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDOSULFAN SULFATE	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDOSULFAN SULFATE	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDOSULFAN SULFATE	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDOSULFAN SULFATE	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDOSULFAN SULFATE	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDOSULFAN SULFATE	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDOSULFAN SULFATE	22	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDOSULFAN SULFATE	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDOSULFAN SULFATE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDOSULFAN SULFATE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDOSULFAN SULFATE	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDOSULFAN SULFATE	36	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDOSULFAN SULFATE	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDOSULFAN SULFATE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDOSULFAN SULFATE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDOSULFAN SULFATE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDOSULFAN SULFATE	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDOSULFAN SULFATE	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDOSULFAN SULFATE	94	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDOSULFAN SULFATE	180	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDRIN	3.4	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDRIN	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDRIN	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDRIN	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDRIN	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDRIN	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDRIN	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDRIN	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDRIN	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDRIN	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDRIN	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDRIN	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDRIN	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDRIN	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDRIN	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDRIN	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDRIN	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDRIN	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDRIN	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDRIN	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDRIN	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDRIN	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDRIN	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDRIN	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDRIN	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDRIN	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDRIN	3.6	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDRIN	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDRIN	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDRIN	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDRIN	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDRIN	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDRIN	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDRIN	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDRIN	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDRIN	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDRIN	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDRIN	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDRIN	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDRIN	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDRIN	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDRIN	3.8	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDRIN	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDRIN	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDRIN	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDRIN	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDRIN	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDRIN	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDRIN	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDRIN	3.9	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDRIN	4	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDRIN	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDRIN	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDRIN	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDRIN	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDRIN	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDRIN	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDRIN	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDRIN	22	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDRIN	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDRIN	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDRIN	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDRIN	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDRIN	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDRIN	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDRIN	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDRIN	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDRIN	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDRIN	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDRIN	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDRIN	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDRIN	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDRIN	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDRIN	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDRIN	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDRIN	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDRIN	39	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDRIN	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDRIN	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDRIN	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDRIN	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDRIN	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDRIN	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDRIN	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDRIN	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDRIN	94	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDRIN	180	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDRIN ALDEHYDE	3.4	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDRIN ALDEHYDE	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDRIN ALDEHYDE	3.7	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDRIN ALDEHYDE	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDRIN ALDEHYDE	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDRIN ALDEHYDE	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDRIN ALDEHYDE	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDRIN ALDEHYDE	18	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDRIN ALDEHYDE	19	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDRIN ALDEHYDE	20.35	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDRIN ALDEHYDE	22	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDRIN ALDEHYDE	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDRIN ALDEHYDE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDRIN ALDEHYDE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDRIN ALDEHYDE	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDRIN ALDEHYDE	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDRIN ALDEHYDE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDRIN ALDEHYDE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDRIN ALDEHYDE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDRIN ALDEHYDE	45	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDRIN ALDEHYDE	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDRIN ALDEHYDE	94	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDRIN ALDEHYDE	180	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-112	CEF-P51-SS-112-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	ENDRIN KETONE	3.5	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-271	CEF-P51-SS-271-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ENDRIN KETONE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-130	CEF-P51-SS-130-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-251	CEF-P51-SS-251-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-128	CEF-P51-SS-128-01	ENDRIN KETONE	3.9	U
CEF-P51-SS-150	CEF-P51-SS-150-01	ENDRIN KETONE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	ENDRIN KETONE	3.9	U
CEF-P51-SS-315	CEF-P51-SS-315-01	ENDRIN KETONE	4.1	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	ENDRIN KETONE	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	ENDRIN KETONE	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	ENDRIN KETONE	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	ENDRIN KETONE	18	U
CEF-P21-SS-106	CEF-P21-SS-106-01	ENDRIN KETONE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	ENDRIN KETONE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	ENDRIN KETONE	35	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	ENDRIN KETONE	35.5	U
CEF-P51-SS-152	CEF-P51-SS-152-01	ENDRIN KETONE	36	U
CEF-P51-SS-153	CEF-P51-SS-153-01	ENDRIN KETONE	36	U
CEF-P51-SS-154	CEF-P51-SS-154-01	ENDRIN KETONE	36	U
CEF-P51-SS-157	CEF-P51-SS-157-01	ENDRIN KETONE	36	U
CEF-P51-SS-160	CEF-P51-SS-160-01	ENDRIN KETONE	36	U
CEF-P51-SS-178	CEF-P51-SS-178-01	ENDRIN KETONE	36	U
CEF-P51-SS-190	CEF-P51-SS-190-01	ENDRIN KETONE	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	ENDRIN KETONE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	ENDRIN KETONE	36	U
CEF-P51-SS-269	CEF-P51-SS-269-01	ENDRIN KETONE	36	U
CEF-P51-SS-283	CEF-P51-SS-283-01	ENDRIN KETONE	36	U
CEF-P51-SS-285	CEF-P51-SS-285-01	ENDRIN KETONE	36	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-144	CEF-P51-SS-144-01	ENDRIN KETONE	37	U
CEF-P51-SS-155	CEF-P51-SS-155-01	ENDRIN KETONE	37	U
CEF-P51-SS-156	CEF-P51-SS-156-01	ENDRIN KETONE	37	U
CEF-P51-SS-158	CEF-P51-SS-158-01	ENDRIN KETONE	37	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	ENDRIN KETONE	37	U
CEF-P51-SS-172	CEF-P51-SS-172-01	ENDRIN KETONE	37	U
CEF-P51-SS-176	CEF-P51-SS-176-01	ENDRIN KETONE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	ENDRIN KETONE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	ENDRIN KETONE	37	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	ENDRIN KETONE	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	ENDRIN KETONE	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	ENDRIN KETONE	38	U
CEF-P51-SS-159	CEF-P51-SS-159-01	ENDRIN KETONE	38	U
CEF-P51-SS-171	CEF-P51-SS-171-01	ENDRIN KETONE	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	ENDRIN KETONE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	ENDRIN KETONE	38	U
CEF-P51-SS-280	CEF-P51-SS-280-01	ENDRIN KETONE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	ENDRIN KETONE	39	U
CEF-P51-SS-180	CEF-P51-SS-180-01	ENDRIN KETONE	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	ENDRIN KETONE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	ENDRIN KETONE	39	U
CEF-P51-SS-244	CEF-P51-SS-244-01	ENDRIN KETONE	39	U
CEF-P51-SS-162	CEF-P51-SS-162-01	ENDRIN KETONE	40	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	ENDRIN KETONE	40	U
CEF-P51-SS-222	CEF-P51-SS-222-01	ENDRIN KETONE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	ENDRIN KETONE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	ENDRIN KETONE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	ENDRIN KETONE	45	U
CEF-P51-SS-259	CEF-P51-SS-259-01	ENDRIN KETONE	55	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ENDRIN KETONE	71	U
CEF-P51-SS-299	CEF-P51-SS-299-01	ENDRIN KETONE	94	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	ENDRIN KETONE	114	U
CEF-P51-SS-182	CEF-P51-SS-182-01	ENDRIN KETONE	170	U
CEF-P51-SS-177	CEF-P51-SS-177-01	ENDRIN KETONE	180	U
CEF-P51-SS-009	CEF-P51-SS-009-01	EPN	48	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	EPN	49	U
CEF-P51-SS-010	CEF-P51-SS-010-01	EPN	50	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	EPN	140	U
CEF-P21-SS-014	CEF-P21-SS-014-01	EPN	160	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ETHOPROP	190	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ETHOPROP	190	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ETHOPROP	190	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ETHOPROP	540	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ETHOPROP	610	U
CEF-P51-SS-009	CEF-P51-SS-009-01	ETHYL PARATHION	49	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	ETHYL PARATHION	50	U
CEF-P51-SS-010	CEF-P51-SS-010-01	ETHYL PARATHION	51	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ETHYL PARATHION	140	U
CEF-P21-SS-014	CEF-P21-SS-014-01	ETHYL PARATHION	160	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ETHYLBENZENE	2.65	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-009	CEF-P51-SS-009-01	FENSULFOTHION	430	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	FENSULFOTHION	440	U
CEF-P51-SS-010	CEF-P51-SS-010-01	FENSULFOTHION	440	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	FENSULFOTHION	1200	U
CEF-P21-SS-014	CEF-P21-SS-014-01	FENSULFOTHION	1400	U
CEF-P51-SS-009	CEF-P51-SS-009-01	FENTHION	76	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	FENTHION	78	U
CEF-P51-SS-010	CEF-P51-SS-010-01	FENTHION	78	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	FENTHION	220	U
CEF-P21-SS-014	CEF-P21-SS-014-01	FENTHION	250	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	FLUORANTHENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	FLUORENE	180	U
CEF-P21-SS-014	CEF-P21-SS-014-01	GAMMA-BHC (LINDANE)	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	GAMMA-BHC (LINDANE)	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	GAMMA-BHC (LINDANE)	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-246	CEF-P51-SS-246-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	GAMMA-BHC (LINDANE)	1.9	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-137	CEF-P51-SS-137-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	GAMMA-BHC (LINDANE)	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	GAMMA-BHC (LINDANE)	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	GAMMA-BHC (LINDANE)	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	GAMMA-BHC (LINDANE)	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	GAMMA-BHC (LINDANE)	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	GAMMA-BHC (LINDANE)	9.9	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	GAMMA-BHC (LINDANE)	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	GAMMA-BHC (LINDANE)	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-222	CEF-P51-SS-222-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	GAMMA-BHC (LINDANE)	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	GAMMA-BHC (LINDANE)	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	GAMMA-BHC (LINDANE)	22	U
CEF-P51-SS-259	CEF-P51-SS-259-01	GAMMA-BHC (LINDANE)	28	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	GAMMA-BHC (LINDANE)	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	GAMMA-BHC (LINDANE)	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	GAMMA-BHC (LINDANE)	88	U
CEF-P51-SS-130	CEF-P51-SS-130-01	GAMMA-CHLORDANE	1.2	J

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-271	CEF-P51-SS-271-01	GAMMA-CHLORDANE	1.9	J
CEF-P51-SS-315	CEF-P51-SS-315-01	GAMMA-CHLORDANE	2.7	J
CEF-P51-SS-182	CEF-P51-SS-182-01	GAMMA-CHLORDANE	3.4	U
CEF-P51-SS-112	CEF-P51-SS-112-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-126	CEF-P51-SS-126-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-316	CEF-P51-SS-316-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	GAMMA-CHLORDANE	3.55	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-009	CEF-P51-SS-009-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-010	CEF-P51-SS-010-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-117	CEF-P51-SS-117-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-119	CEF-P51-SS-119-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-125	CEF-P51-SS-125-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-140	CEF-P51-SS-140-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-152	CEF-P51-SS-152-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-153	CEF-P51-SS-153-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-154	CEF-P51-SS-154-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-157	CEF-P51-SS-157-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-160	CEF-P51-SS-160-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-178	CEF-P51-SS-178-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-237	CEF-P51-SS-237-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-253	CEF-P51-SS-253-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-269	CEF-P51-SS-269-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-283	CEF-P51-SS-283-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-285	CEF-P51-SS-285-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-127	CEF-P51-SS-127-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-137	CEF-P51-SS-137-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-149	CEF-P51-SS-149-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-155	CEF-P51-SS-155-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-156	CEF-P51-SS-156-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-158	CEF-P51-SS-158-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-172	CEF-P51-SS-172-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-246	CEF-P51-SS-246-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-248	CEF-P51-SS-248-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-294	CEF-P51-SS-294-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-305	CEF-P51-SS-305-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-319	CEF-P51-SS-319-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-136	CEF-P51-SS-136-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-159	CEF-P51-SS-159-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-236	CEF-P51-SS-236-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-260	CEF-P51-SS-260-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-312	CEF-P51-SS-312-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-323	CEF-P51-SS-323-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-150	CEF-P51-SS-150-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	GAMMA-CHLORDANE	4.4	
CEF-P51-SS-251	CEF-P51-SS-251-01	GAMMA-CHLORDANE	4.5	
CEF-P51-SS-162	CEF-P51-SS-162-01	GAMMA-CHLORDANE	5.9	
CEF-P21-SS-014	CEF-P21-SS-014-01	GAMMA-CHLORDANE	6.6	

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-171	CEF-P51-SS-171-01	GAMMA-CHLORDANE	6.7	
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	GAMMA-CHLORDANE	8.45	U
CEF-P51-SS-235	CEF-P51-SS-235-01	GAMMA-CHLORDANE	16	U
CEF-P51-SS-234	CEF-P51-SS-234-01	GAMMA-CHLORDANE	17	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	GAMMA-CHLORDANE	18.5	
CEF-P51-SS-180	CEF-P51-SS-180-01	GAMMA-CHLORDANE	19	U
CEF-P51-SS-176	CEF-P51-SS-176-01	GAMMA-CHLORDANE	19.6	J
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	GAMMA-CHLORDANE	20.35	U
CEF-P51-SS-244	CEF-P51-SS-244-01	GAMMA-CHLORDANE	21.4	J
CEF-P51-SS-259	CEF-P51-SS-259-01	GAMMA-CHLORDANE	22	U
CEF-P51-SS-280	CEF-P51-SS-280-01	GAMMA-CHLORDANE	22	J
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	GAMMA-CHLORDANE	29.5	U
CEF-P21-SS-106	CEF-P21-SS-106-01	GAMMA-CHLORDANE	34	U
CEF-P51-SS-194	CEF-P51-SS-194-01	GAMMA-CHLORDANE	35	U
CEF-P51-SS-198	CEF-P51-SS-198-01	GAMMA-CHLORDANE	35	U
CEF-P51-SS-190	CEF-P51-SS-190-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-218	CEF-P51-SS-218-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-224	CEF-P51-SS-224-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-144	CEF-P51-SS-144-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-202	CEF-P51-SS-202-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-261	CEF-P51-SS-261-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-138	CEF-P51-SS-138-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	GAMMA-CHLORDANE	38	U
CEF-P51-SS-192	CEF-P51-SS-192-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-195	CEF-P51-SS-195-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-168	CEF-P51-SS-168-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-193	CEF-P51-SS-193-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-204	CEF-P51-SS-204-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-222	CEF-P51-SS-222-01	GAMMA-CHLORDANE	41	U
CEF-P51-SS-213	CEF-P51-SS-213-01	GAMMA-CHLORDANE	43	U
CEF-P51-SS-214	CEF-P51-SS-214-01	GAMMA-CHLORDANE	43	U
CEF-P51-SS-212	CEF-P51-SS-212-01	GAMMA-CHLORDANE	45	U
CEF-P51-SS-177	CEF-P51-SS-177-01	GAMMA-CHLORDANE	52.9	J
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	GAMMA-CHLORDANE	77.6	
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	GAMMA-CHLORDANE	92.4	
CEF-P51-SS-299	CEF-P51-SS-299-01	GAMMA-CHLORDANE	94	U
CEF-P21-SS-014	CEF-P21-SS-014-01	HEPTACHLOR	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	HEPTACHLOR	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	HEPTACHLOR	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	HEPTACHLOR	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	HEPTACHLOR	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	HEPTACHLOR	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	HEPTACHLOR	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	HEPTACHLOR	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	HEPTACHLOR	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	HEPTACHLOR	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	HEPTACHLOR	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	HEPTACHLOR	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	HEPTACHLOR	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	HEPTACHLOR	1.9	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-150	CEF-P51-SS-150-01	HEPTACHLOR	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	HEPTACHLOR	4.2	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	HEPTACHLOR	8.9	U
CEF-P21-SS-106	CEF-P21-SS-106-01	HEPTACHLOR	17	U
CEF-P51-SS-316	CEF-P51-SS-316-01	HEPTACHLOR	17	U
CEF-P51-SS-117	CEF-P51-SS-117-01	HEPTACHLOR	18	U
CEF-P51-SS-119	CEF-P51-SS-119-01	HEPTACHLOR	18	U
CEF-P51-SS-125	CEF-P51-SS-125-01	HEPTACHLOR	18	U
CEF-P51-SS-126	CEF-P51-SS-126-01	HEPTACHLOR	18	U
CEF-P51-SS-127	CEF-P51-SS-127-01	HEPTACHLOR	18	U
CEF-P51-SS-144	CEF-P51-SS-144-01	HEPTACHLOR	18	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-152	CEF-P51-SS-152-01	HEPTACHLOR	18	U
CEF-P51-SS-153	CEF-P51-SS-153-01	HEPTACHLOR	18	U
CEF-P51-SS-154	CEF-P51-SS-154-01	HEPTACHLOR	18	U
CEF-P51-SS-155	CEF-P51-SS-155-01	HEPTACHLOR	18	U
CEF-P51-SS-157	CEF-P51-SS-157-01	HEPTACHLOR	18	U
CEF-P51-SS-158	CEF-P51-SS-158-01	HEPTACHLOR	18	U
CEF-P51-SS-160	CEF-P51-SS-160-01	HEPTACHLOR	18	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-172	CEF-P51-SS-172-01	HEPTACHLOR	18	U
CEF-P51-SS-176	CEF-P51-SS-176-01	HEPTACHLOR	18	U
CEF-P51-SS-178	CEF-P51-SS-178-01	HEPTACHLOR	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	HEPTACHLOR	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	HEPTACHLOR	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	HEPTACHLOR	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	HEPTACHLOR	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	HEPTACHLOR	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	HEPTACHLOR	18	U
CEF-P51-SS-246	CEF-P51-SS-246-01	HEPTACHLOR	18	U
CEF-P51-SS-248	CEF-P51-SS-248-01	HEPTACHLOR	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	HEPTACHLOR	18	U
CEF-P51-SS-269	CEF-P51-SS-269-01	HEPTACHLOR	18	U
CEF-P51-SS-271	CEF-P51-SS-271-01	HEPTACHLOR	18	U
CEF-P51-SS-283	CEF-P51-SS-283-01	HEPTACHLOR	18	U
CEF-P51-SS-285	CEF-P51-SS-285-01	HEPTACHLOR	18	U
CEF-P51-SS-294	CEF-P51-SS-294-01	HEPTACHLOR	18	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-319	CEF-P51-SS-319-01	HEPTACHLOR	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	HEPTACHLOR	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	HEPTACHLOR	19	U
CEF-P51-SS-156	CEF-P51-SS-156-01	HEPTACHLOR	19	U
CEF-P51-SS-159	CEF-P51-SS-159-01	HEPTACHLOR	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	HEPTACHLOR	19	U
CEF-P51-SS-171	CEF-P51-SS-171-01	HEPTACHLOR	19	U
CEF-P51-SS-180	CEF-P51-SS-180-01	HEPTACHLOR	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	HEPTACHLOR	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	HEPTACHLOR	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	HEPTACHLOR	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	HEPTACHLOR	19	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-260	CEF-P51-SS-260-01	HEPTACHLOR	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	HEPTACHLOR	19	U
CEF-P51-SS-305	CEF-P51-SS-305-01	HEPTACHLOR	19	U
CEF-P51-SS-312	CEF-P51-SS-312-01	HEPTACHLOR	19	U
CEF-P51-SS-323	CEF-P51-SS-323-01	HEPTACHLOR	19	U
CEF-P51-SS-330	CEF-P51-SS-330-01	HEPTACHLOR	19	U
CEF-P51-SS-128	CEF-P51-SS-128-01	HEPTACHLOR	20	U
CEF-P51-SS-162	CEF-P51-SS-162-01	HEPTACHLOR	20	U
CEF-P51-SS-222	CEF-P51-SS-222-01	HEPTACHLOR	20	U
CEF-P51-SS-235	CEF-P51-SS-235-01	HEPTACHLOR	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	HEPTACHLOR	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	HEPTACHLOR	20	U
CEF-P51-SS-315	CEF-P51-SS-315-01	HEPTACHLOR	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	HEPTACHLOR	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	HEPTACHLOR	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	HEPTACHLOR	22	U
CEF-P51-SS-234	CEF-P51-SS-234-01	HEPTACHLOR	22	U
CEF-P51-SS-259	CEF-P51-SS-259-01	HEPTACHLOR	28	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEPTACHLOR	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	HEPTACHLOR	47	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	HEPTACHLOR	57.5	U
CEF-P51-SS-182	CEF-P51-SS-182-01	HEPTACHLOR	86	U
CEF-P51-SS-177	CEF-P51-SS-177-01	HEPTACHLOR	88	U
CEF-P21-SS-014	CEF-P21-SS-014-01	HEPTACHLOR EPOXIDE	1.7	U
CEF-P51-SS-182	CEF-P51-SS-182-01	HEPTACHLOR EPOXIDE	1.7	U
CEF-P51-SS-316	CEF-P51-SS-316-01	HEPTACHLOR EPOXIDE	1.7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-009	CEF-P51-SS-009-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-010	CEF-P51-SS-010-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-112	CEF-P51-SS-112-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-117	CEF-P51-SS-117-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-119	CEF-P51-SS-119-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-125	CEF-P51-SS-125-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-126	CEF-P51-SS-126-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-127	CEF-P51-SS-127-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-130	CEF-P51-SS-130-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-140	CEF-P51-SS-140-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-149	CEF-P51-SS-149-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-152	CEF-P51-SS-152-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-153	CEF-P51-SS-153-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-154	CEF-P51-SS-154-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-155	CEF-P51-SS-155-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-157	CEF-P51-SS-157-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-158	CEF-P51-SS-158-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-160	CEF-P51-SS-160-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-172	CEF-P51-SS-172-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-178	CEF-P51-SS-178-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-237	CEF-P51-SS-237-01	HEPTACHLOR EPOXIDE	1.8	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-246	CEF-P51-SS-246-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-248	CEF-P51-SS-248-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-251	CEF-P51-SS-251-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-253	CEF-P51-SS-253-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-269	CEF-P51-SS-269-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-271	CEF-P51-SS-271-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-283	CEF-P51-SS-283-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-285	CEF-P51-SS-285-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-294	CEF-P51-SS-294-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-319	CEF-P51-SS-319-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-136	CEF-P51-SS-136-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-137	CEF-P51-SS-137-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-156	CEF-P51-SS-156-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-159	CEF-P51-SS-159-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-171	CEF-P51-SS-171-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-236	CEF-P51-SS-236-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-260	CEF-P51-SS-260-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-305	CEF-P51-SS-305-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-312	CEF-P51-SS-312-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-323	CEF-P51-SS-323-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-330	CEF-P51-SS-330-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-128	CEF-P51-SS-128-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-150	CEF-P51-SS-150-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-162	CEF-P51-SS-162-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-315	CEF-P51-SS-315-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	HEPTACHLOR EPOXIDE	4.2	U
CEF-P51-SS-235	CEF-P51-SS-235-01	HEPTACHLOR EPOXIDE	7.9	U
CEF-P51-SS-234	CEF-P51-SS-234-01	HEPTACHLOR EPOXIDE	8.6	U
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	HEPTACHLOR EPOXIDE	8.9	U
CEF-P51-SS-180	CEF-P51-SS-180-01	HEPTACHLOR EPOXIDE	9.6	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	HEPTACHLOR EPOXIDE	9.9	U
CEF-P51-SS-259	CEF-P51-SS-259-01	HEPTACHLOR EPOXIDE	11	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	HEPTACHLOR EPOXIDE	15	U
CEF-P21-SS-106	CEF-P21-SS-106-01	HEPTACHLOR EPOXIDE	17	U
CEF-P51-SS-144	CEF-P51-SS-144-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-190	CEF-P51-SS-190-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-194	CEF-P51-SS-194-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-198	CEF-P51-SS-198-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-202	CEF-P51-SS-202-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-218	CEF-P51-SS-218-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-224	CEF-P51-SS-224-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-261	CEF-P51-SS-261-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-138	CEF-P51-SS-138-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-168	CEF-P51-SS-168-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-192	CEF-P51-SS-192-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-193	CEF-P51-SS-193-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-195	CEF-P51-SS-195-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-204	CEF-P51-SS-204-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-280	CEF-P51-SS-280-01	HEPTACHLOR EPOXIDE	19	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-176	CEF-P51-SS-176-01	HEPTACHLOR EPOXIDE	19.6	
CEF-P51-SS-222	CEF-P51-SS-222-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-244	CEF-P51-SS-244-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-213	CEF-P51-SS-213-01	HEPTACHLOR EPOXIDE	21	U
CEF-P51-SS-214	CEF-P51-SS-214-01	HEPTACHLOR EPOXIDE	21	U
CEF-P51-SS-212	CEF-P51-SS-212-01	HEPTACHLOR EPOXIDE	22	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEPTACHLOR EPOXIDE	35	U
CEF-P51-SS-299	CEF-P51-SS-299-01	HEPTACHLOR EPOXIDE	47	U
CEF-P51-SS-177	CEF-P51-SS-177-01	HEPTACHLOR EPOXIDE	88	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEXACHLOROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEXACHLOROBUTADIENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEXACHLOROCYCLOPENTADIENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	HEXACHLOROETHANE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	INDENO(1,2,3-CD)PYRENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	IRON	544	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ISOPHORONE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	LEAD	9.45	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MAGNESIUM	119.5	
CEF-P51-SS-009	CEF-P51-SS-009-01	MALATHION	88	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	MALATHION	90	U
CEF-P51-SS-010	CEF-P51-SS-010-01	MALATHION	91	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MALATHION	250	U
CEF-P21-SS-014	CEF-P21-SS-014-01	MALATHION	290	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MANGANESE	15.2	
CEF-P51-SS-016	CEF-P51-SS-209R-01	MCPA	2400	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	MCPA	4400	U
CEF-P51-SS-009	CEF-P51-SS-009-01	MCPA	4400	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	MCPA	4500	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MCPA	4800	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	MCPA	5100	U
CEF-P21-SS-014	CEF-P21-SS-014-01	MCPA	5200	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	MCPP	2400	U
CEF-P51-SS-009	CEF-P51-SS-009-01	MCPP	5400	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	MCPP	5500	U
CEF-P51-SS-010	CEF-P51-SS-010-01	MCPP	5700	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MCPP	6000	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	MCPP	6350	U
CEF-P21-SS-014	CEF-P21-SS-014-01	MCPP	6500	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MERCURY	0.075	
CEF-P51-SS-009	CEF-P51-SS-009-01	MERPHOS	160	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	MERPHOS	170	U
CEF-P51-SS-010	CEF-P51-SS-010-01	MERPHOS	170	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MERPHOS	470	U
CEF-P21-SS-014	CEF-P21-SS-014-01	MERPHOS	540	U
CEF-P21-SS-014	CEF-P21-SS-014-01	METHOXYCHLOR	7	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	METHOXYCHLOR	18	U
CEF-P51-SS-009	CEF-P51-SS-009-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	METHOXYCHLOR	18	UJ
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	METHOXYCHLOR	35.5	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	METHOXYCHLOR	42	U
CEF-P21-SS-106	CEF-P21-SS-106-01	METHOXYCHLOR	69	U
CEF-P51-SS-112	CEF-P51-SS-112-01	METHOXYCHLOR	70	U
CEF-P51-SS-126	CEF-P51-SS-126-01	METHOXYCHLOR	70	U
CEF-P51-SS-271	CEF-P51-SS-271-01	METHOXYCHLOR	70	U
CEF-P51-SS-316	CEF-P51-SS-316-01	METHOXYCHLOR	70	U
CEF-P51-SS-125	CEF-P51-SS-125-01	METHOXYCHLOR	71	U
CEF-P51-SS-153	CEF-P51-SS-153-01	METHOXYCHLOR	71	U
CEF-P51-SS-178	CEF-P51-SS-178-01	METHOXYCHLOR	71	U
CEF-P51-SS-237	CEF-P51-SS-237-01	METHOXYCHLOR	71	U
CEF-P51-SS-253	CEF-P51-SS-253-01	METHOXYCHLOR	71	U
CEF-P51-SS-269	CEF-P51-SS-269-01	METHOXYCHLOR	71	U
CEF-P51-SS-283	CEF-P51-SS-283-01	METHOXYCHLOR	71	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	METHOXYCHLOR	71.5	U
CEF-P51-SS-117	CEF-P51-SS-117-01	METHOXYCHLOR	72	U
CEF-P51-SS-119	CEF-P51-SS-119-01	METHOXYCHLOR	72	U
CEF-P51-SS-154	CEF-P51-SS-154-01	METHOXYCHLOR	72	U
CEF-P51-SS-157	CEF-P51-SS-157-01	METHOXYCHLOR	72	U
CEF-P51-SS-160	CEF-P51-SS-160-01	METHOXYCHLOR	72	U
CEF-P51-SS-251	CEF-P51-SS-251-01	METHOXYCHLOR	72	U
CEF-P51-SS-285	CEF-P51-SS-285-01	METHOXYCHLOR	72	U
CEF-P51-SS-130	CEF-P51-SS-130-01	METHOXYCHLOR	73	U
CEF-P51-SS-140	CEF-P51-SS-140-01	METHOXYCHLOR	73	U
CEF-P51-SS-144	CEF-P51-SS-144-01	METHOXYCHLOR	73	U
CEF-P51-SS-152	CEF-P51-SS-152-01	METHOXYCHLOR	73	U
CEF-P51-SS-190	CEF-P51-SS-190-01	METHOXYCHLOR	73	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	METHOXYCHLOR	73.5	U
CEF-P51-SS-127	CEF-P51-SS-127-01	METHOXYCHLOR	74	U
CEF-P51-SS-149	CEF-P51-SS-149-01	METHOXYCHLOR	74	U
CEF-P51-SS-155	CEF-P51-SS-155-01	METHOXYCHLOR	74	U
CEF-P51-SS-158	CEF-P51-SS-158-01	METHOXYCHLOR	74	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	METHOXYCHLOR	74	U
CEF-P51-SS-172	CEF-P51-SS-172-01	METHOXYCHLOR	74	U
CEF-P51-SS-176	CEF-P51-SS-176-01	METHOXYCHLOR	74	U
CEF-P51-SS-246	CEF-P51-SS-246-01	METHOXYCHLOR	74	U
CEF-P51-SS-248	CEF-P51-SS-248-01	METHOXYCHLOR	74	U
CEF-P51-SS-261	CEF-P51-SS-261-01	METHOXYCHLOR	74	U
CEF-P51-SS-294	CEF-P51-SS-294-01	METHOXYCHLOR	74	U
CEF-P51-SS-305	CEF-P51-SS-305-01	METHOXYCHLOR	74	U
CEF-P51-SS-319	CEF-P51-SS-319-01	METHOXYCHLOR	74	U
CEF-P51-SS-137	CEF-P51-SS-137-01	METHOXYCHLOR	75	U
CEF-P51-SS-138	CEF-P51-SS-138-01	METHOXYCHLOR	75	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	METHOXYCHLOR	75	U
CEF-P51-SS-156	CEF-P51-SS-156-01	METHOXYCHLOR	75	U
CEF-P51-SS-159	CEF-P51-SS-159-01	METHOXYCHLOR	75	U
CEF-P51-SS-236	CEF-P51-SS-236-01	METHOXYCHLOR	75	U
CEF-P51-SS-312	CEF-P51-SS-312-01	METHOXYCHLOR	75	U
CEF-P51-SS-323	CEF-P51-SS-323-01	METHOXYCHLOR	75	U
CEF-P51-SS-136	CEF-P51-SS-136-01	METHOXYCHLOR	76	U
CEF-P51-SS-260	CEF-P51-SS-260-01	METHOXYCHLOR	76	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-280	CEF-P51-SS-280-01	METHOXYCHLOR	76	U
CEF-P51-SS-171	CEF-P51-SS-171-01	METHOXYCHLOR	77	U
CEF-P51-SS-180	CEF-P51-SS-180-01	METHOXYCHLOR	77	U
CEF-P51-SS-128	CEF-P51-SS-128-01	METHOXYCHLOR	78	U
CEF-P51-SS-244	CEF-P51-SS-244-01	METHOXYCHLOR	78	U
CEF-P51-SS-330	CEF-P51-SS-330-01	METHOXYCHLOR	78	U
CEF-P51-SS-150	CEF-P51-SS-150-01	METHOXYCHLOR	79	U
CEF-P51-SS-235	CEF-P51-SS-235-01	METHOXYCHLOR	79	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	METHOXYCHLOR	79	U
CEF-P51-SS-162	CEF-P51-SS-162-01	METHOXYCHLOR	81	U
CEF-P51-SS-315	CEF-P51-SS-315-01	METHOXYCHLOR	82	U
CEF-P51-SS-234	CEF-P51-SS-234-01	METHOXYCHLOR	86	U
CEF-P51-SS-259	CEF-P51-SS-259-01	METHOXYCHLOR	110	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	METHOXYCHLOR	140	U
CEF-P51-SS-299	CEF-P51-SS-299-01	METHOXYCHLOR	190	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	METHOXYCHLOR	228	U
CEF-P51-SS-177	CEF-P51-SS-177-01	METHOXYCHLOR	350	U
CEF-P51-SS-182	CEF-P51-SS-182-01	METHOXYCHLOR	350	U
CEF-P51-SS-194	CEF-P51-SS-194-01	METHOXYCHLOR	350	U
CEF-P51-SS-198	CEF-P51-SS-198-01	METHOXYCHLOR	350	U
CEF-P51-SS-218	CEF-P51-SS-218-01	METHOXYCHLOR	360	U
CEF-P51-SS-224	CEF-P51-SS-224-01	METHOXYCHLOR	360	U
CEF-P51-SS-202	CEF-P51-SS-202-01	METHOXYCHLOR	370	U
CEF-P51-SS-192	CEF-P51-SS-192-01	METHOXYCHLOR	380	U
CEF-P51-SS-195	CEF-P51-SS-195-01	METHOXYCHLOR	380	U
CEF-P51-SS-168	CEF-P51-SS-168-01	METHOXYCHLOR	390	U
CEF-P51-SS-193	CEF-P51-SS-193-01	METHOXYCHLOR	390	U
CEF-P51-SS-204	CEF-P51-SS-204-01	METHOXYCHLOR	390	U
CEF-P51-SS-222	CEF-P51-SS-222-01	METHOXYCHLOR	410	U
CEF-P51-SS-213	CEF-P51-SS-213-01	METHOXYCHLOR	430	U
CEF-P51-SS-214	CEF-P51-SS-214-01	METHOXYCHLOR	430	U
CEF-P51-SS-212	CEF-P51-SS-212-01	METHOXYCHLOR	450	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	METHYL PARATHION	20	U
CEF-P51-SS-009	CEF-P51-SS-009-01	METHYL PARATHION	20	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	METHYL PARATHION	20	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	METHYL PARATHION	57	U
CEF-P21-SS-014	CEF-P21-SS-014-01	METHYL PARATHION	64	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	METHYLENE CHLORIDE	6.7	U
CEF-P51-SS-009	CEF-P51-SS-009-01	MEVINPHOS	160	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	MEVINPHOS	170	U
CEF-P51-SS-010	CEF-P51-SS-010-01	MEVINPHOS	170	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	MEVINPHOS	470	U
CEF-P21-SS-014	CEF-P21-SS-014-01	MEVINPHOS	540	U
CEF-P51-SS-009	CEF-P51-SS-009-01	NALED	330	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	NALED	340	U
CEF-P51-SS-010	CEF-P51-SS-010-01	NALED	340	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	NALED	950	U
CEF-P21-SS-014	CEF-P21-SS-014-01	NALED	1100	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	NAPHTHALENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	NICKEL	1.24	

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	NITROBENZENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	N-NITROSO-DI-N-PROPYLAMINE	64	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	N-NITROSODIPHENYLAMINE	180	U
CEF-P51-SS-016	CEF-P51-SS-209R-01	PENTACHLOROPHENOL	2.4	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	PENTACHLOROPHENOL	11	U
CEF-P51-SS-009	CEF-P51-SS-009-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	PENTACHLOROPHENOL	11	UJ
CEF-P21-SS-014	CEF-P21-SS-014-01	PENTACHLOROPHENOL	13	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	PENTACHLOROPHENOL	33.5	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	PENTACHLOROPHENOL	446	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	PHENANTHRENE	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	PHENOL	180	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	PHORATE	120	U
CEF-P51-SS-009	CEF-P51-SS-009-01	PHORATE	120	U
CEF-P51-SS-010	CEF-P51-SS-010-01	PHORATE	120	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	PHORATE	350	U
CEF-P21-SS-014	CEF-P21-SS-014-01	PHORATE	390	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	POTASSIUM	38.2	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	PYRENE	180	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	RONNEL	120	U
CEF-P51-SS-009	CEF-P51-SS-009-01	RONNEL	120	UJ
CEF-P51-SS-010	CEF-P51-SS-010-01	RONNEL	120	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	RONNEL	350	U
CEF-P21-SS-014	CEF-P21-SS-014-01	RONNEL	390	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	SELENIUM	0.515	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	SILVER	0.3	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	SODIUM	310.5	
CEF-P51-SS-009	CEF-P51-SS-009-01	STIROFOS	620	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	STIROFOS	640	U
CEF-P51-SS-010	CEF-P51-SS-010-01	STIROFOS	650	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	STIROFOS	1800	U
CEF-P21-SS-014	CEF-P21-SS-014-01	STIROFOS	2000	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	STYRENE	2.65	U
CEF-P51-SS-009	CEF-P51-SS-009-01	SULFOTEPP	80	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	SULFOTEPP	82	U
CEF-P51-SS-010	CEF-P51-SS-010-01	SULFOTEPP	83	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	SULFOTEPP	230	U
CEF-P21-SS-014	CEF-P21-SS-014-01	SULFOTEPP	260	U
CEF-P51-SS-009	CEF-P51-SS-009-01	TEPP	550	UJ
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	TEPP	560	U
CEF-P51-SS-010	CEF-P51-SS-010-01	TEPP	570	UJ
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TEPP	1600	U
CEF-P21-SS-014	CEF-P21-SS-014-01	TEPP	1800	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TETRACHLOROETHENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	THALLIUM	0.435	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	TOKUTHION	180	U
CEF-P51-SS-009	CEF-P51-SS-009-01	TOKUTHION	180	U
CEF-P51-SS-010	CEF-P51-SS-010-01	TOKUTHION	180	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOKUTHION	500	U
CEF-P21-SS-014	CEF-P21-SS-014-01	TOKUTHION	570	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOLUENE	2.65	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	TOTAL PESTICIDES	0.9	
CEF-P51-SS-305	CEF-P51-SS-305-01	TOTAL PESTICIDES	0.97	
CEF-P51-SS-150	CEF-P51-SS-150-01	TOTAL PESTICIDES	1.3	
CEF-P51-SS-172	CEF-P51-SS-172-01	TOTAL PESTICIDES	1.6	
CEF-P51-SS-137	CEF-P51-SS-137-01	TOTAL PESTICIDES	1.9	
CEF-P51-SS-178	CEF-P51-SS-178-01	TOTAL PESTICIDES	2	
CEF-P51-SS-330	CEF-P51-SS-330-01	TOTAL PESTICIDES	2.2	
CEF-P51-SS-126	CEF-P51-SS-126-01	TOTAL PESTICIDES	2.6	
CEF-P51-SS-246	CEF-P51-SS-246-01	TOTAL PESTICIDES	2.7	
CEF-P51-SS-323	CEF-P51-SS-323-01	TOTAL PESTICIDES	2.9	
CEF-P51-SS-130	CEF-P51-SS-130-01	TOTAL PESTICIDES	5.43	
CEF-P51-SS-149	CEF-P51-SS-149-01	TOTAL PESTICIDES	5.8	
CEF-P51-SS-127	CEF-P51-SS-127-01	TOTAL PESTICIDES	6.7	
CEF-P51-SS-285	CEF-P51-SS-285-01	TOTAL PESTICIDES	10.6	
CEF-P51-SS-194	CEF-P51-SS-194-01	TOTAL PESTICIDES	11.6	
CEF-P51-SS-319	CEF-P51-SS-319-01	TOTAL PESTICIDES	18.4	
CEF-P51-SS-171	CEF-P51-SS-171-01	TOTAL PESTICIDES	26.6	
CEF-P51-SS-193	CEF-P51-SS-193-01	TOTAL PESTICIDES	33.3	
CEF-P51-SS-248	CEF-P51-SS-248-01	TOTAL PESTICIDES	50.12	
CEF-P51-SS-271	CEF-P51-SS-271-01	TOTAL PESTICIDES	52.5	
CEF-P21-SS-014	CEF-P21-SS-014-01	TOTAL PESTICIDES	56.3	
CEF-P51-SS-162	CEF-P51-SS-162-01	TOTAL PESTICIDES	57	
CEF-P51-SS-180	CEF-P51-SS-180-01	TOTAL PESTICIDES	66	
CEF-P51-SS-259	CEF-P51-SS-259-01	TOTAL PESTICIDES	73.4	
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	TOTAL PESTICIDES	74.85	
CEF-P51-SS-251	CEF-P51-SS-251-01	TOTAL PESTICIDES	100	
CEF-P51-SS-128	CEF-P51-SS-128-01	TOTAL PESTICIDES	111	
CEF-P51-SS-125	CEF-P51-SS-125-01	TOTAL PESTICIDES	119	
CEF-P51-SS-315	CEF-P51-SS-315-01	TOTAL PESTICIDES	137	
CEF-P51-SS-144	CEF-P51-SS-144-01	TOTAL PESTICIDES	144	
CEF-P51-SS-261	CEF-P51-SS-261-01	TOTAL PESTICIDES	156	
CEF-P51-SS-176	CEF-P51-SS-176-01	TOTAL PESTICIDES	177	
CEF-P51-SS-138	CEF-P51-SS-138-01	TOTAL PESTICIDES	245	
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	TOTAL PESTICIDES	338.3	
CEF-P51-SS-299	CEF-P51-SS-299-01	TOTAL PESTICIDES	443	
CEF-P51-SS-244	CEF-P51-SS-244-01	TOTAL PESTICIDES	587.9	
CEF-P51-SS-280	CEF-P51-SS-280-01	TOTAL PESTICIDES	1428.4	
CEF-P51-SS-177	CEF-P51-SS-177-01	TOTAL PESTICIDES	1532	
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	TOTAL PESTICIDES	2729.9	
CEF-P21-SS-105	CEF-P21-SS-105-01	TOTAL PESTICIDES	2908.9	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOTAL PESTICIDES	3790.4	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOTAL PETROLEUM HYDROCARBONS	84.2	
CEF-P21-SS-014	CEF-P21-SS-014-01	TOTAL PETROLEUM HYDROCARBONS	87	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOTAL XYLENES	8.05	U
CEF-P21-SS-014	CEF-P21-SS-014-01	TOXAPHENE	170	U
CEF-P51-SS-182	CEF-P51-SS-182-01	TOXAPHENE	170	U
CEF-P51-SS-316	CEF-P51-SS-316-01	TOXAPHENE	170	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-009	CEF-P51-SS-009-01	TOXAPHENE	180	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-010	CEF-P51-SS-010-01	TOXAPHENE	180	U
CEF-P51-SS-112	CEF-P51-SS-112-01	TOXAPHENE	180	U
CEF-P51-SS-117	CEF-P51-SS-117-01	TOXAPHENE	180	U
CEF-P51-SS-119	CEF-P51-SS-119-01	TOXAPHENE	180	U
CEF-P51-SS-125	CEF-P51-SS-125-01	TOXAPHENE	180	U
CEF-P51-SS-126	CEF-P51-SS-126-01	TOXAPHENE	180	U
CEF-P51-SS-127	CEF-P51-SS-127-01	TOXAPHENE	180	U
CEF-P51-SS-130	CEF-P51-SS-130-01	TOXAPHENE	180	U
CEF-P51-SS-140	CEF-P51-SS-140-01	TOXAPHENE	180	U
CEF-P51-SS-149	CEF-P51-SS-149-01	TOXAPHENE	180	U
CEF-P51-SS-151	CEF-P51-SS-151-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-152	CEF-P51-SS-152-01	TOXAPHENE	180	U
CEF-P51-SS-153	CEF-P51-SS-153-01	TOXAPHENE	180	U
CEF-P51-SS-154	CEF-P51-SS-154-01	TOXAPHENE	180	U
CEF-P51-SS-155	CEF-P51-SS-155-01	TOXAPHENE	180	U
CEF-P51-SS-157	CEF-P51-SS-157-01	TOXAPHENE	180	U
CEF-P51-SS-158	CEF-P51-SS-158-01	TOXAPHENE	180	U
CEF-P51-SS-160	CEF-P51-SS-160-01	TOXAPHENE	180	U
CEF-P51-SS-161	CEF-P51-SS-161-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-172	CEF-P51-SS-172-01	TOXAPHENE	180	U
CEF-P51-SS-178	CEF-P51-SS-178-01	TOXAPHENE	180	U
CEF-P51-SS-237	CEF-P51-SS-237-01	TOXAPHENE	180	U
CEF-P51-SS-246	CEF-P51-SS-246-01	TOXAPHENE	180	U
CEF-P51-SS-248	CEF-P51-SS-248-01	TOXAPHENE	180	U
CEF-P51-SS-251	CEF-P51-SS-251-01	TOXAPHENE	180	U
CEF-P51-SS-253	CEF-P51-SS-253-01	TOXAPHENE	180	U
CEF-P51-SS-269	CEF-P51-SS-269-01	TOXAPHENE	180	U
CEF-P51-SS-271	CEF-P51-SS-271-01	TOXAPHENE	180	U
CEF-P51-SS-283	CEF-P51-SS-283-01	TOXAPHENE	180	U
CEF-P51-SS-285	CEF-P51-SS-285-01	TOXAPHENE	180	U
CEF-P51-SS-294	CEF-P51-SS-294-01	TOXAPHENE	180	U
CEF-P51-SS-319	CEF-P51-SS-319-01	TOXAPHENE	180	U
CEF-P51-SS-136	CEF-P51-SS-136-01	TOXAPHENE	190	U
CEF-P51-SS-137	CEF-P51-SS-137-01	TOXAPHENE	190	U
CEF-P51-SS-156	CEF-P51-SS-156-01	TOXAPHENE	190	U
CEF-P51-SS-159	CEF-P51-SS-159-01	TOXAPHENE	190	U
CEF-P51-SS-171	CEF-P51-SS-171-01	TOXAPHENE	190	U
CEF-P51-SS-236	CEF-P51-SS-236-01	TOXAPHENE	190	U
CEF-P51-SS-260	CEF-P51-SS-260-01	TOXAPHENE	190	U
CEF-P51-SS-305	CEF-P51-SS-305-01	TOXAPHENE	190	U
CEF-P51-SS-312	CEF-P51-SS-312-01	TOXAPHENE	190	U
CEF-P51-SS-323	CEF-P51-SS-323-01	TOXAPHENE	190	U
CEF-P51-SS-330	CEF-P51-SS-330-01	TOXAPHENE	190	U
CEF-P51-SS-128	CEF-P51-SS-128-01	TOXAPHENE	200	U
CEF-P51-SS-150	CEF-P51-SS-150-01	TOXAPHENE	200	U
CEF-P51-SS-162	CEF-P51-SS-162-01	TOXAPHENE	200	U
CEF-P51-SS-315	CEF-P51-SS-315-01	TOXAPHENE	200	U
CEF-P51-SS-016	CEF-P51-SS-016-01-AVG	TOXAPHENE	420	U
CEF-P51-SS-235	CEF-P51-SS-235-01	TOXAPHENE	790	U
CEF-P51-SS-234	CEF-P51-SS-234-01	TOXAPHENE	860	U

ROUGH SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P21-SS-105	CEF-P21-SS-105-01-AVG	TOXAPHENE	863	
CEF-P51-SS-180	CEF-P51-SS-180-01	TOXAPHENE	960	U
CEF-P51-SS-306	CEF-P51-SS-306-01-AVG	TOXAPHENE	990	U
CEF-P51-SS-259	CEF-P51-SS-259-01	TOXAPHENE	1100	U
CEF-P51-SS-181	CEF-P51-SS-181-01-AVG	TOXAPHENE	1500	U
CEF-P21-SS-106	CEF-P21-SS-106-01	TOXAPHENE	1700	U
CEF-P51-SS-144	CEF-P51-SS-144-01	TOXAPHENE	1800	U
CEF-P51-SS-176	CEF-P51-SS-176-01	TOXAPHENE	1800	U
CEF-P51-SS-190	CEF-P51-SS-190-01	TOXAPHENE	1800	U
CEF-P51-SS-194	CEF-P51-SS-194-01	TOXAPHENE	1800	U
CEF-P51-SS-198	CEF-P51-SS-198-01	TOXAPHENE	1800	U
CEF-P51-SS-202	CEF-P51-SS-202-01	TOXAPHENE	1800	U
CEF-P51-SS-218	CEF-P51-SS-218-01	TOXAPHENE	1800	U
CEF-P51-SS-224	CEF-P51-SS-224-01	TOXAPHENE	1800	U
CEF-P51-SS-261	CEF-P51-SS-261-01	TOXAPHENE	1800	U
CEF-P51-SS-138	CEF-P51-SS-138-01	TOXAPHENE	1900	U
CEF-P51-SS-148	CEF-P51-SS-148-01-AVG	TOXAPHENE	1900	U
CEF-P51-SS-168	CEF-P51-SS-168-01	TOXAPHENE	1900	U
CEF-P51-SS-192	CEF-P51-SS-192-01	TOXAPHENE	1900	U
CEF-P51-SS-193	CEF-P51-SS-193-01	TOXAPHENE	1900	U
CEF-P51-SS-195	CEF-P51-SS-195-01	TOXAPHENE	1900	U
CEF-P51-SS-204	CEF-P51-SS-204-01	TOXAPHENE	1900	U
CEF-P51-SS-280	CEF-P51-SS-280-01	TOXAPHENE	1900	U
CEF-P51-SS-222	CEF-P51-SS-222-01	TOXAPHENE	2000	U
CEF-P51-SS-243	CEF-P51-SS-243-01-AVG	TOXAPHENE	2000	U
CEF-P51-SS-244	CEF-P51-SS-244-01	TOXAPHENE	2000	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TOXAPHENE	2100	
CEF-P51-SS-213	CEF-P51-SS-213-01	TOXAPHENE	2100	U
CEF-P51-SS-214	CEF-P51-SS-214-01	TOXAPHENE	2100	U
CEF-P51-SS-212	CEF-P51-SS-212-01	TOXAPHENE	2200	U
CEF-P51-SS-299	CEF-P51-SS-299-01	TOXAPHENE	4700	U
CEF-P51-SS-177	CEF-P51-SS-177-01	TOXAPHENE	8800	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TRANS-1,2-DICHLOROETHENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TRANS-1,3-DICHLOROPROPENE	2.65	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TRICHLOROETHENE	2.65	U
CEF-P51-SS-009	CEF-P51-SS-009-01	TRICHLORONATE	100	U
CEF-P51-SS-008	CEF-P51-SS-008-01-AVG	TRICHLORONATE	110	U
CEF-P51-SS-010	CEF-P51-SS-010-01	TRICHLORONATE	110	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	TRICHLORONATE	300	U
CEF-P21-SS-014	CEF-P21-SS-014-01	TRICHLORONATE	340	U
CEF-P21-SS-014	CEF-P21-SS-014-01	VANADIUM	1.4	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	VANADIUM	2	
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	VINYL CHLORIDE	6.7	U
CEF-P21-SS-013	CEF-P21-SS-013-01-AVG	ZINC	10.85	

E.2.5 WOODS

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-001	CEF-P51-SS-001-01	2,4,5-T	11	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	2,4,5-T	11	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	2,4,5-T	11	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	2,4,5-T	11	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	2,4,5-T	11	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	2,4,5-T	12	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	2,4,5-T	12	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	2,4,5-TP (SILVEX)	11	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	2,4,5-TP (SILVEX)	12	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	2,4-D	76	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	2,4-D	77	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	2,4-D	77	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	2,4-D	77	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	2,4-D	78	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	2,4-D	82	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	2,4-D	87	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	2,4-DB	110	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	2,4-DB	110	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	2,4-DB	110	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	2,4-DB	110	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	2,4-DB	110	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	2,4-DB	120	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	2,4-DB	120	UJ
CEF-P51-SS-105	CEF-P51-SS-105-01	4,4'-DDD	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	4,4'-DDD	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	4,4'-DDD	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	4,4'-DDD	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	4,4'-DDD	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	4,4'-DDD	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	4,4'-DDD	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	4,4'-DDD	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	4,4'-DDD	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	4,4'-DDD	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	4,4'-DDD	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	4,4'-DDD	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	4,4'-DDD	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	4,4'-DDD	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	4,4'-DDD	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	4,4'-DDD	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	4,4'-DDD	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	4,4'-DDD	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	4,4'-DDD	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	4,4'-DDD	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-184	CEF-P51-SS-184-01	4,4'-DDD	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	4,4'-DDD	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	4,4'-DDD	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	4,4'-DDD	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	4,4'-DDD	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	4,4'-DDD	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	4,4'-DDD	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	4,4'-DDD	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	4,4'-DDD	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	4,4'-DDD	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	4,4'-DDD	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	4,4'-DDD	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	4,4'-DDD	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	4,4'-DDD	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	4,4'-DDD	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	4,4'-DDD	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	4,4'-DDD	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	4,4'-DDD	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	4,4'-DDD	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	4,4'-DDD	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	4,4'-DDD	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	4,4'-DDD	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	4,4'-DDD	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	4,4'-DDD	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	4,4'-DDD	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	4,4'-DDD	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	4,4'-DDD	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	4,4'-DDD	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	4,4'-DDD	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	4,4'-DDD	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	4,4'-DDD	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	4,4'-DDD	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	4,4'-DDD	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	4,4'-DDD	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	4,4'-DDD	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	4,4'-DDD	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	4,4'-DDD	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	4,4'-DDD	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	4,4'-DDD	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	4,4'-DDD	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	4,4'-DDD	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	4,4'-DDD	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	4,4'-DDD	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	4,4'-DDD	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	4,4'-DDD	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	4,4'-DDD	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	4,4'-DDD	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	4,4'-DDD	3.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-240	CEF-P51-SS-240-01	4,4'-DDD	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	4,4'-DDD	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	4,4'-DDD	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	4,4'-DDD	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	4,4'-DDD	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	4,4'-DDD	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	4,4'-DDD	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	4,4'-DDD	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	4,4'-DDD	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	4,4'-DDD	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	4,4'-DDD	3.8	U
CEF-P51-SS-147	CEF-P51-SS-147-01	4,4'-DDD	3.9	U
CEF-P51-SS-238	CEF-P51-SS-238-01	4,4'-DDD	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	4,4'-DDD	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	4,4'-DDD	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	4,4'-DDD	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	4,4'-DDD	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	4,4'-DDD	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	4,4'-DDD	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	4,4'-DDD	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	4,4'-DDD	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	4,4'-DDD	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	4,4'-DDD	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	4,4'-DDD	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	4,4'-DDD	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	4,4'-DDD	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	4,4'-DDD	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	4,4'-DDD	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	4,4'-DDD	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	4,4'-DDD	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	4,4'-DDD	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	4,4'-DDD	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	4,4'-DDD	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	4,4'-DDD	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	4,4'-DDD	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	4,4'-DDD	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	4,4'-DDD	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	4,4'-DDD	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	4,4'-DDD	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	4,4'-DDD	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	4,4'-DDD	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	4,4'-DDD	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	4,4'-DDD	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	4,4'-DDD	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	4,4'-DDD	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	4,4'-DDD	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	4,4'-DDD	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	4,4'-DDD	37	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-123	CEF-P51-SS-123-01	4,4'-DDD	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	4,4'-DDD	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	4,4'-DDD	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	4,4'-DDD	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	4,4'-DDD	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	4,4'-DDD	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	4,4'-DDD	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	4,4'-DDD	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	4,4'-DDD	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	4,4'-DDD	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	4,4'-DDD	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	4,4'-DDD	54	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	4,4'-DDD	191.8	U
CEF-P51-SS-257	CEF-P51-SS-257-01	4,4'-DDE	0.86	J
CEF-P51-SS-240	CEF-P51-SS-240-01	4,4'-DDE	1.2	J
CEF-P51-SS-105	CEF-P51-SS-105-01	4,4'-DDE	1.6	J
CEF-P51-SS-258	CEF-P51-SS-258-01	4,4'-DDE	2.9	J
CEF-P51-SS-147	CEF-P51-SS-147-01	4,4'-DDE	3	J
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	4,4'-DDE	3.1	J
CEF-P51-SS-109	CEF-P51-SS-109-01	4,4'-DDE	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	4,4'-DDE	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	4,4'-DDE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	4,4'-DDE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	4,4'-DDE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	4,4'-DDE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	4,4'-DDE	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	4,4'-DDE	3.5	U
CEF-P51-SS-102	CEF-P51-SS-102-01	4,4'-DDE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	4,4'-DDE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	4,4'-DDE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	4,4'-DDE	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	4,4'-DDE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	4,4'-DDE	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	4,4'-DDE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	4,4'-DDE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	4,4'-DDE	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	4,4'-DDE	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	4,4'-DDE	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	4,4'-DDE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	4,4'-DDE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	4,4'-DDE	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	4,4'-DDE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	4,4'-DDE	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	4,4'-DDE	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	4,4'-DDE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	4,4'-DDE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	4,4'-DDE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	4,4'-DDE	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-289	CEF-P51-SS-289-01	4,4'-DDE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	4,4'-DDE	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	4,4'-DDE	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	4,4'-DDE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	4,4'-DDE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	4,4'-DDE	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	4,4'-DDE	3.6	U
CEF-P51-SS-004	CEF-P51-SS-004-01	4,4'-DDE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	4,4'-DDE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	4,4'-DDE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	4,4'-DDE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	4,4'-DDE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	4,4'-DDE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	4,4'-DDE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	4,4'-DDE	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	4,4'-DDE	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	4,4'-DDE	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	4,4'-DDE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	4,4'-DDE	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	4,4'-DDE	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	4,4'-DDE	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	4,4'-DDE	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	4,4'-DDE	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	4,4'-DDE	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	4,4'-DDE	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	4,4'-DDE	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	4,4'-DDE	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	4,4'-DDE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	4,4'-DDE	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	4,4'-DDE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	4,4'-DDE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	4,4'-DDE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	4,4'-DDE	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	4,4'-DDE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	4,4'-DDE	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	4,4'-DDE	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	4,4'-DDE	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	4,4'-DDE	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	4,4'-DDE	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	4,4'-DDE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	4,4'-DDE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	4,4'-DDE	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	4,4'-DDE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	4,4'-DDE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	4,4'-DDE	3.8	U
CEF-P51-SS-238	CEF-P51-SS-238-01	4,4'-DDE	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	4,4'-DDE	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	4,4'-DDE	3.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	4,4'-DDE	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	4,4'-DDE	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	4,4'-DDE	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	4,4'-DDE	4	U
CEF-P51-SS-002	CEF-P51-SS-002-01	4,4'-DDE	4.1	
CEF-P51-SS-007	CEF-P51-SS-007-01	4,4'-DDE	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	4,4'-DDE	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	4,4'-DDE	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	4,4'-DDE	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	4,4'-DDE	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	4,4'-DDE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	4,4'-DDE	8.7	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	4,4'-DDE	11.3	J
CEF-P51-SS-267	CEF-P51-SS-267-01	4,4'-DDE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	4,4'-DDE	15.5	U
CEF-P51-SS-001	CEF-P51-SS-001-01	4,4'-DDE	15.9	
CEF-P51-SS-101	CEF-P51-SS-101-01	4,4'-DDE	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	4,4'-DDE	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	4,4'-DDE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	4,4'-DDE	20.35	U
CEF-P51-SS-104	CEF-P51-SS-104-01	4,4'-DDE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	4,4'-DDE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	4,4'-DDE	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	4,4'-DDE	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	4,4'-DDE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	4,4'-DDE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	4,4'-DDE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	4,4'-DDE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	4,4'-DDE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	4,4'-DDE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	4,4'-DDE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	4,4'-DDE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	4,4'-DDE	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	4,4'-DDE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	4,4'-DDE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	4,4'-DDE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	4,4'-DDE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	4,4'-DDE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	4,4'-DDE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	4,4'-DDE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	4,4'-DDE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	4,4'-DDE	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	4,4'-DDE	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	4,4'-DDE	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	4,4'-DDE	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	4,4'-DDE	54	U
CEF-P51-SS-109	CEF-P51-SS-109-01	4,4'-DDT	3.5	U
CEF-P51-SS-102	CEF-P51-SS-102-01	4,4'-DDT	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-004	CEF-P51-SS-004-01	4,4'-DDT	3.7	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	4,4'-DDT	3.7	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	4,4'-DDT	4.1	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	4,4'-DDT	4.8	J
CEF-P51-SS-006	CEF-P51-SS-006-01	4,4'-DDT	8	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	4,4'-DDT	8.7	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	4,4'-DDT	10.4	J
CEF-P51-SS-101	CEF-P51-SS-101-01	4,4'-DDT	19	U
CEF-P51-SS-105	CEF-P51-SS-105-01	4,4'-DDT	35	U
CEF-P51-SS-186	CEF-P51-SS-186-01	4,4'-DDT	35	U
CEF-P51-SS-208	CEF-P51-SS-208-01	4,4'-DDT	35	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	4,4'-DDT	35	U
CEF-P51-SS-303	CEF-P51-SS-303-01	4,4'-DDT	35	U
CEF-P51-SS-321	CEF-P51-SS-321-01	4,4'-DDT	35	U
CEF-P51-SS-327	CEF-P51-SS-327-01	4,4'-DDT	35	U
CEF-P51-SS-107	CEF-P51-SS-107-01	4,4'-DDT	36	U
CEF-P51-SS-110	CEF-P51-SS-110-01	4,4'-DDT	36	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	4,4'-DDT	36	U
CEF-P51-SS-116	CEF-P51-SS-116-01	4,4'-DDT	36	U
CEF-P51-SS-122	CEF-P51-SS-122-01	4,4'-DDT	36	U
CEF-P51-SS-124	CEF-P51-SS-124-01	4,4'-DDT	36	U
CEF-P51-SS-139	CEF-P51-SS-139-01	4,4'-DDT	36	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	4,4'-DDT	36	U
CEF-P51-SS-187	CEF-P51-SS-187-01	4,4'-DDT	36	U
CEF-P51-SS-189	CEF-P51-SS-189-01	4,4'-DDT	36	U
CEF-P51-SS-232	CEF-P51-SS-232-01	4,4'-DDT	36	U
CEF-P51-SS-265	CEF-P51-SS-265-01	4,4'-DDT	36	U
CEF-P51-SS-266	CEF-P51-SS-266-01	4,4'-DDT	36	U
CEF-P51-SS-267	CEF-P51-SS-267-01	4,4'-DDT	36	U
CEF-P51-SS-272	CEF-P51-SS-272-01	4,4'-DDT	36	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	4,4'-DDT	36	U
CEF-P51-SS-284	CEF-P51-SS-284-01	4,4'-DDT	36	U
CEF-P51-SS-287	CEF-P51-SS-287-01	4,4'-DDT	36	U
CEF-P51-SS-288	CEF-P51-SS-288-01	4,4'-DDT	36	U
CEF-P51-SS-289	CEF-P51-SS-289-01	4,4'-DDT	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	4,4'-DDT	36	U
CEF-P51-SS-298	CEF-P51-SS-298-01	4,4'-DDT	36	U
CEF-P51-SS-300	CEF-P51-SS-300-01	4,4'-DDT	36	U
CEF-P51-SS-301	CEF-P51-SS-301-01	4,4'-DDT	36	U
CEF-P51-SS-308	CEF-P51-SS-308-01	4,4'-DDT	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	4,4'-DDT	36	U
CEF-P51-SS-320	CEF-P51-SS-320-01	4,4'-DDT	36	U
CEF-P51-SS-332	CEF-P51-SS-332-01	4,4'-DDT	36	U
CEF-P51-SS-120	CEF-P51-SS-120-01	4,4'-DDT	37	U
CEF-P51-SS-196	CEF-P51-SS-196-01	4,4'-DDT	37	U
CEF-P51-SS-206	CEF-P51-SS-206-01	4,4'-DDT	37	U
CEF-P51-SS-207	CEF-P51-SS-207-01	4,4'-DDT	37	U
CEF-P51-SS-230	CEF-P51-SS-230-01	4,4'-DDT	37	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-263	CEF-P51-SS-263-01	4,4'-DDT	37	U
CEF-P51-SS-268	CEF-P51-SS-268-01	4,4'-DDT	37	U
CEF-P51-SS-275	CEF-P51-SS-275-01	4,4'-DDT	37	U
CEF-P51-SS-279	CEF-P51-SS-279-01	4,4'-DDT	37	U
CEF-P51-SS-286	CEF-P51-SS-286-01	4,4'-DDT	37	U
CEF-P51-SS-290	CEF-P51-SS-290-01	4,4'-DDT	37	U
CEF-P51-SS-291	CEF-P51-SS-291-01	4,4'-DDT	37	U
CEF-P51-SS-295	CEF-P51-SS-295-01	4,4'-DDT	37	U
CEF-P51-SS-302	CEF-P51-SS-302-01	4,4'-DDT	37	U
CEF-P51-SS-314	CEF-P51-SS-314-01	4,4'-DDT	37	U
CEF-P51-SS-331	CEF-P51-SS-331-01	4,4'-DDT	37	U
CEF-P51-SS-113	CEF-P51-SS-113-01	4,4'-DDT	38	U
CEF-P51-SS-114	CEF-P51-SS-114-01	4,4'-DDT	38	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	4,4'-DDT	38	U
CEF-P51-SS-143	CEF-P51-SS-143-01	4,4'-DDT	38	U
CEF-P51-SS-239	CEF-P51-SS-239-01	4,4'-DDT	38	U
CEF-P51-SS-240	CEF-P51-SS-240-01	4,4'-DDT	38	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	4,4'-DDT	38	U
CEF-P51-SS-277	CEF-P51-SS-277-01	4,4'-DDT	38	U
CEF-P51-SS-293	CEF-P51-SS-293-01	4,4'-DDT	38	U
CEF-P51-SS-296	CEF-P51-SS-296-01	4,4'-DDT	38	U
CEF-P51-SS-309	CEF-P51-SS-309-01	4,4'-DDT	38	U
CEF-P51-SS-322	CEF-P51-SS-322-01	4,4'-DDT	38	U
CEF-P51-SS-325	CEF-P51-SS-325-01	4,4'-DDT	38	U
CEF-P51-SS-328	CEF-P51-SS-328-01	4,4'-DDT	38	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	4,4'-DDT	38.5	U
CEF-P51-SS-147	CEF-P51-SS-147-01	4,4'-DDT	39	U
CEF-P51-SS-238	CEF-P51-SS-238-01	4,4'-DDT	39	U
CEF-P51-SS-278	CEF-P51-SS-278-01	4,4'-DDT	39	U
CEF-P51-SS-304	CEF-P51-SS-304-01	4,4'-DDT	39	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	4,4'-DDT	39.5	U
CEF-P51-SS-142	CEF-P51-SS-142-01	4,4'-DDT	40	U
CEF-P51-SS-326	CEF-P51-SS-326-01	4,4'-DDT	40	U
CEF-P51-SS-318	CEF-P51-SS-318-01	4,4'-DDT	42	U
CEF-P51-SS-210	CEF-P51-SS-210-01	4,4'-DDT	43	U
CEF-P51-SS-233	CEF-P51-SS-233-01	4,4'-DDT	43	U
CEF-P51-SS-245	CEF-P51-SS-245-01	4,4'-DDT	45	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	4,4'-DDT	54	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	4,4'-DDT	54	U
CEF-P51-SS-258	CEF-P51-SS-258-01	4,4'-DDT	70	U
CEF-P51-SS-242	CEF-P51-SS-242-01	4,4'-DDT	74	U
CEF-P51-SS-255	CEF-P51-SS-255-01	4,4'-DDT	74	U
CEF-P51-SS-264	CEF-P51-SS-264-01	4,4'-DDT	74	U
CEF-P51-SS-317	CEF-P51-SS-317-01	4,4'-DDT	74	U
CEF-P51-SS-273	CEF-P51-SS-273-01	4,4'-DDT	76	U
CEF-P51-SS-307	CEF-P51-SS-307-01	4,4'-DDT	76	U
CEF-P51-SS-257	CEF-P51-SS-257-01	4,4'-DDT	78	U
CEF-P51-SS-256	CEF-P51-SS-256-01	4,4'-DDT	80	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	4,4'-DDT	107.5	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	4,4'-DDT	108	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	4,4'-DDT	108.5	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	4,4'-DDT	114	U
CEF-P51-SS-104	CEF-P51-SS-104-01	4,4'-DDT	180	U
CEF-P51-SS-115	CEF-P51-SS-115-01	4,4'-DDT	180	U
CEF-P51-SS-146	CEF-P51-SS-146-01	4,4'-DDT	180	U
CEF-P51-SS-165	CEF-P51-SS-165-01	4,4'-DDT	180	U
CEF-P51-SS-166	CEF-P51-SS-166-01	4,4'-DDT	180	U
CEF-P51-SS-169	CEF-P51-SS-169-01	4,4'-DDT	180	U
CEF-P51-SS-183	CEF-P51-SS-183-01	4,4'-DDT	180	U
CEF-P51-SS-184	CEF-P51-SS-184-01	4,4'-DDT	180	U
CEF-P51-SS-185	CEF-P51-SS-185-01	4,4'-DDT	180	U
CEF-P51-SS-188	CEF-P51-SS-188-01	4,4'-DDT	180	U
CEF-P51-SS-205	CEF-P51-SS-205-01	4,4'-DDT	180	U
CEF-P51-SS-209	CEF-P51-SS-209-01	4,4'-DDT	180	U
CEF-P51-SS-219	CEF-P51-SS-219-01	4,4'-DDT	180	U
CEF-P51-SS-123	CEF-P51-SS-123-01	4,4'-DDT	190	U
CEF-P51-SS-145	CEF-P51-SS-145-01	4,4'-DDT	190	U
CEF-P51-SS-167	CEF-P51-SS-167-01	4,4'-DDT	190	U
CEF-P51-SS-197	CEF-P51-SS-197-01	4,4'-DDT	190	U
CEF-P51-SS-199	CEF-P51-SS-199-01	4,4'-DDT	190	U
CEF-P51-SS-200	CEF-P51-SS-200-01	4,4'-DDT	190	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	4,4'-DDT	190	U
CEF-P51-SS-225	CEF-P51-SS-225-01	4,4'-DDT	190	U
CEF-P51-SS-108	CEF-P51-SS-108-01	4,4'-DDT	200	U
CEF-P51-SS-203	CEF-P51-SS-203-01	4,4'-DDT	200	U
CEF-P51-SS-220	CEF-P51-SS-220-01	4,4'-DDT	200	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	4,4'-DDT	208	U
CEF-P51-SS-163	CEF-P51-SS-163-01	4,4'-DDT	210	U
CEF-P51-SS-201	CEF-P51-SS-201-01	4,4'-DDT	210	U
CEF-P51-SS-001	CEF-P51-SS-001-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	4-NITROPHENOL	220	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	4-NITROPHENOL	240	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	4-NITROPHENOL	250	UJ
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ALDRIN	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ALDRIN	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ALDRIN	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ALDRIN	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ALDRIN	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ALDRIN	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ALDRIN	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ALDRIN	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ALDRIN	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ALDRIN	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ALDRIN	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ALDRIN	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ALDRIN	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ALDRIN	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ALDRIN	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ALDRIN	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ALDRIN	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ALDRIN	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ALDRIN	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ALDRIN	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ALDRIN	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ALDRIN	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ALDRIN	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ALDRIN	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ALDRIN	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ALDRIN	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ALDRIN	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ALDRIN	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ALDRIN	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ALDRIN	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ALDRIN	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ALDRIN	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ALDRIN	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ALDRIN	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ALDRIN	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ALDRIN	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ALDRIN	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ALDRIN	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ALDRIN	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ALDRIN	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ALDRIN	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ALDRIN	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ALDRIN	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ALDRIN	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ALDRIN	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ALDRIN	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ALDRIN	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ALDRIN	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ALDRIN	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ALDRIN	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ALDRIN	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ALDRIN	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ALDRIN	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ALDRIN	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ALDRIN	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-143	CEF-P51-SS-143-01	ALDRIN	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ALDRIN	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ALDRIN	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ALDRIN	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ALDRIN	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ALDRIN	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ALDRIN	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ALDRIN	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ALDRIN	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ALDRIN	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ALDRIN	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ALDRIN	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ALDRIN	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ALDRIN	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ALDRIN	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ALDRIN	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ALDRIN	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ALDRIN	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ALDRIN	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ALDRIN	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ALDRIN	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ALDRIN	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ALDRIN	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ALDRIN	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ALDRIN	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ALDRIN	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ALDRIN	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ALDRIN	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ALDRIN	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ALDRIN	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ALDRIN	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ALDRIN	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ALDRIN	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ALDRIN	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ALDRIN	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ALDRIN	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ALDRIN	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ALDRIN	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ALDRIN	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ALDRIN	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ALDRIN	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ALDRIN	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ALDRIN	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ALDRIN	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ALDRIN	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ALDRIN	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ALDRIN	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ALDRIN	18	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-166	CEF-P51-SS-166-01	ALDRIN	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ALDRIN	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ALDRIN	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ALDRIN	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ALDRIN	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ALDRIN	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ALDRIN	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ALDRIN	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ALDRIN	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ALDRIN	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ALDRIN	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ALDRIN	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ALDRIN	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ALDRIN	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ALDRIN	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ALDRIN	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ALDRIN	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ALDRIN	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ALDRIN	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ALDRIN	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ALDRIN	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ALDRIN	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ALDRIN	95.9	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ALPHA-BHC	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ALPHA-BHC	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ALPHA-BHC	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ALPHA-BHC	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ALPHA-BHC	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ALPHA-BHC	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ALPHA-BHC	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ALPHA-BHC	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ALPHA-BHC	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ALPHA-BHC	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ALPHA-BHC	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ALPHA-BHC	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ALPHA-BHC	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ALPHA-BHC	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ALPHA-BHC	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ALPHA-BHC	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ALPHA-BHC	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ALPHA-BHC	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ALPHA-BHC	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ALPHA-BHC	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ALPHA-BHC	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ALPHA-BHC	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ALPHA-BHC	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-207	CEF-P51-SS-207-01	ALPHA-BHC	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ALPHA-BHC	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ALPHA-BHC	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ALPHA-BHC	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ALPHA-BHC	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ALPHA-BHC	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ALPHA-BHC	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ALPHA-BHC	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ALPHA-BHC	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ALPHA-BHC	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ALPHA-BHC	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ALPHA-BHC	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ALPHA-BHC	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ALPHA-BHC	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ALPHA-BHC	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ALPHA-BHC	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ALPHA-BHC	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ALPHA-BHC	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ALPHA-BHC	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ALPHA-BHC	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ALPHA-BHC	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ALPHA-BHC	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ALPHA-BHC	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ALPHA-BHC	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ALPHA-BHC	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ALPHA-BHC	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ALPHA-BHC	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ALPHA-BHC	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ALPHA-BHC	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ALPHA-BHC	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ALPHA-BHC	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ALPHA-BHC	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ALPHA-BHC	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ALPHA-BHC	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ALPHA-BHC	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ALPHA-BHC	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ALPHA-BHC	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ALPHA-BHC	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ALPHA-BHC	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ALPHA-BHC	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ALPHA-BHC	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ALPHA-BHC	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ALPHA-BHC	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ALPHA-BHC	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ALPHA-BHC	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ALPHA-BHC	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ALPHA-BHC	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-290	CEF-P51-SS-290-01	ALPHA-BHC	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ALPHA-BHC	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ALPHA-BHC	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ALPHA-BHC	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ALPHA-BHC	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ALPHA-BHC	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ALPHA-BHC	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ALPHA-BHC	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ALPHA-BHC	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ALPHA-BHC	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ALPHA-BHC	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ALPHA-BHC	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ALPHA-BHC	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ALPHA-BHC	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ALPHA-BHC	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ALPHA-BHC	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ALPHA-BHC	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ALPHA-BHC	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ALPHA-BHC	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ALPHA-BHC	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ALPHA-BHC	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ALPHA-BHC	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ALPHA-BHC	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ALPHA-BHC	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ALPHA-BHC	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ALPHA-BHC	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ALPHA-BHC	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ALPHA-BHC	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ALPHA-BHC	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ALPHA-BHC	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ALPHA-BHC	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ALPHA-BHC	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ALPHA-BHC	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ALPHA-BHC	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ALPHA-BHC	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ALPHA-BHC	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ALPHA-BHC	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ALPHA-BHC	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ALPHA-BHC	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ALPHA-BHC	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ALPHA-BHC	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ALPHA-BHC	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ALPHA-BHC	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ALPHA-BHC	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ALPHA-BHC	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ALPHA-BHC	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ALPHA-BHC	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ALPHA-BHC	19	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-225	CEF-P51-SS-225-01	ALPHA-BHC	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ALPHA-BHC	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ALPHA-BHC	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ALPHA-BHC	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ALPHA-BHC	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ALPHA-BHC	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ALPHA-BHC	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ALPHA-BHC	95.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ALPHA-CHLORDANE	1.1	J
CEF-P51-SS-105	CEF-P51-SS-105-01	ALPHA-CHLORDANE	2	J
CEF-P51-SS-240	CEF-P51-SS-240-01	ALPHA-CHLORDANE	2.4	J
CEF-P51-SS-257	CEF-P51-SS-257-01	ALPHA-CHLORDANE	3.1	J
CEF-P51-SS-109	CEF-P51-SS-109-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ALPHA-CHLORDANE	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ALPHA-CHLORDANE	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-332	CEF-P51-SS-332-01	ALPHA-CHLORDANE	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ALPHA-CHLORDANE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ALPHA-CHLORDANE	3.8	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ALPHA-CHLORDANE	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ALPHA-CHLORDANE	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ALPHA-CHLORDANE	4	
CEF-P51-SS-326	CEF-P51-SS-326-01	ALPHA-CHLORDANE	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ALPHA-CHLORDANE	4.1	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-318	CEF-P51-SS-318-01	ALPHA-CHLORDANE	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ALPHA-CHLORDANE	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ALPHA-CHLORDANE	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ALPHA-CHLORDANE	4.5	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ALPHA-CHLORDANE	5.6	
CEF-P51-SS-006	CEF-P51-SS-006-01	ALPHA-CHLORDANE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ALPHA-CHLORDANE	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ALPHA-CHLORDANE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ALPHA-CHLORDANE	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ALPHA-CHLORDANE	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ALPHA-CHLORDANE	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ALPHA-CHLORDANE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ALPHA-CHLORDANE	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ALPHA-CHLORDANE	20.9	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ALPHA-CHLORDANE	33.05	J
CEF-P51-SS-104	CEF-P51-SS-104-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ALPHA-CHLORDANE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ALPHA-CHLORDANE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ALPHA-CHLORDANE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ALPHA-CHLORDANE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ALPHA-CHLORDANE	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ALPHA-CHLORDANE	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ALPHA-CHLORDANE	42	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ALPHA-CHLORDANE	84.9	J
CEF-P51-SS-002	CEF-P51-SS-002-01	ARSENIC	0.29	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ARSENIC	0.3	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ARSENIC	0.3	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ARSENIC	0.3	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ARSENIC	0.3	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ARSENIC	0.31	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ARSENIC	0.32	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-258	CEF-P51-SS-258-01	ARSENIC	0.32	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ARSENIC	0.33	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ARSENIC	0.33	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ARSENIC	0.33	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ARSENIC	0.34	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ARSENIC	0.34	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ARSENIC	0.34	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ARSENIC	0.34	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ARSENIC	0.34	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ARSENIC	0.345	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ARSENIC	0.35	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ARSENIC	0.35	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ARSENIC	0.35	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ARSENIC	0.35	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ARSENIC	0.35	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ARSENIC	0.355	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ARSENIC	0.36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ARSENIC	0.36	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ARSENIC	0.36	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ARSENIC	0.36	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ARSENIC	0.36	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ARSENIC	0.36	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ARSENIC	0.36	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ARSENIC	0.36	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ARSENIC	0.365	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ARSENIC	0.365	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ARSENIC	0.37	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ARSENIC	0.37	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ARSENIC	0.37	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ARSENIC	0.37	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ARSENIC	0.37	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ARSENIC	0.37	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ARSENIC	0.37	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ARSENIC	0.37	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ARSENIC	0.37	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ARSENIC	0.38	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ARSENIC	0.38	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ARSENIC	0.38	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ARSENIC	0.38	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ARSENIC	0.38	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ARSENIC	0.38	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ARSENIC	0.38	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ARSENIC	0.38	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ARSENIC	0.38	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ARSENIC	0.38	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ARSENIC	0.38	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ARSENIC	0.38	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ARSENIC	0.39	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-124	CEF-P51-SS-124-01	ARSENIC	0.39	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ARSENIC	0.39	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ARSENIC	0.39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ARSENIC	0.39	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ARSENIC	0.39	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ARSENIC	0.39	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ARSENIC	0.39	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ARSENIC	0.4	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ARSENIC	0.4	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ARSENIC	0.4	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ARSENIC	0.4	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ARSENIC	0.4	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ARSENIC	0.4	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ARSENIC	0.4	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ARSENIC	0.4	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ARSENIC	0.405	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ARSENIC	0.41	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ARSENIC	0.41	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ARSENIC	0.41	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ARSENIC	0.41	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ARSENIC	0.42	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ARSENIC	0.42	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ARSENIC	0.42	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ARSENIC	0.42	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ARSENIC	0.42	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ARSENIC	0.42	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ARSENIC	0.43	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ARSENIC	0.43	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ARSENIC	0.43	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ARSENIC	0.44	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ARSENIC	0.45	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ARSENIC	0.46	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ARSENIC	0.48	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ARSENIC	0.48	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ARSENIC	0.49	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ARSENIC	0.49	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ARSENIC	0.495	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ARSENIC	0.5	
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ARSENIC	0.51	
CEF-P51-SS-265	CEF-P51-SS-265-01	ARSENIC	0.51	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ARSENIC	0.52	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ARSENIC	0.525	
CEF-P51-SS-287	CEF-P51-SS-287-01	ARSENIC	0.53	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ARSENIC	0.53	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ARSENIC	0.59	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ARSENIC	0.6	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ARSENIC	0.6	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ARSENIC	0.66	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-255	CEF-P51-SS-255-01	ARSENIC	0.66	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ARSENIC	0.67	
CEF-P51-SS-147	CEF-P51-SS-147-01	ARSENIC	0.69	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ARSENIC	0.71	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ARSENIC	0.74	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ARSENIC	0.75	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ARSENIC	0.78	J
CEF-P51-SS-239	CEF-P51-SS-239-01	ARSENIC	0.84	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ARSENIC	0.9	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ARSENIC	0.93	J
CEF-P51-SS-309	CEF-P51-SS-309-01	ARSENIC	0.98	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ARSENIC	0.99	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ARSENIC	1	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ARSENIC	1.075	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ARSENIC	1.1	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ARSENIC	1.1	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ARSENIC	1.1	
CEF-P51-SS-205	CEF-P51-SS-205-01	ARSENIC	1.2	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ARSENIC	1.2	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ARSENIC	1.3	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ARSENIC	1.35	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ARSENIC	1.5	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ARSENIC	2.45	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ARSENIC	2.5	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ARSENIC	2.7	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ARSENIC	9.575	J
CEF-P51-SS-004	CEF-P51-SS-004-01	AZINPHOS METHYL	460	U
CEF-P51-SS-005	CEF-P51-SS-005-01	AZINPHOS METHYL	460	U
CEF-P51-SS-001	CEF-P51-SS-001-01	AZINPHOS METHYL	470	U
CEF-P51-SS-002	CEF-P51-SS-002-01	AZINPHOS METHYL	470	U
CEF-P51-SS-006	CEF-P51-SS-006-01	AZINPHOS METHYL	480	U
CEF-P51-SS-003	CEF-P51-SS-003-01	AZINPHOS METHYL	510	U
CEF-P51-SS-007	CEF-P51-SS-007-01	AZINPHOS METHYL	530	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	BETA-BHC	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	BETA-BHC	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	BETA-BHC	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	BETA-BHC	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	BETA-BHC	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	BETA-BHC	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	BETA-BHC	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	BETA-BHC	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	BETA-BHC	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	BETA-BHC	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	BETA-BHC	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	BETA-BHC	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	BETA-BHC	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	BETA-BHC	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-139	CEF-P51-SS-139-01	BETA-BHC	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	BETA-BHC	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	BETA-BHC	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	BETA-BHC	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	BETA-BHC	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	BETA-BHC	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	BETA-BHC	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	BETA-BHC	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	BETA-BHC	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	BETA-BHC	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	BETA-BHC	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	BETA-BHC	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	BETA-BHC	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	BETA-BHC	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	BETA-BHC	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	BETA-BHC	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	BETA-BHC	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	BETA-BHC	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	BETA-BHC	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	BETA-BHC	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	BETA-BHC	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	BETA-BHC	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	BETA-BHC	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	BETA-BHC	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	BETA-BHC	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	BETA-BHC	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	BETA-BHC	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	BETA-BHC	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	BETA-BHC	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	BETA-BHC	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	BETA-BHC	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	BETA-BHC	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	BETA-BHC	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	BETA-BHC	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	BETA-BHC	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	BETA-BHC	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	BETA-BHC	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	BETA-BHC	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	BETA-BHC	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	BETA-BHC	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	BETA-BHC	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	BETA-BHC	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	BETA-BHC	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	BETA-BHC	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	BETA-BHC	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	BETA-BHC	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-255	CEF-P51-SS-255-01	BETA-BHC	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	BETA-BHC	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	BETA-BHC	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	BETA-BHC	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	BETA-BHC	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	BETA-BHC	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	BETA-BHC	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	BETA-BHC	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	BETA-BHC	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	BETA-BHC	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	BETA-BHC	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	BETA-BHC	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	BETA-BHC	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	BETA-BHC	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	BETA-BHC	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	BETA-BHC	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	BETA-BHC	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	BETA-BHC	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	BETA-BHC	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	BETA-BHC	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	BETA-BHC	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	BETA-BHC	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	BETA-BHC	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	BETA-BHC	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	BETA-BHC	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	BETA-BHC	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	BETA-BHC	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	BETA-BHC	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	BETA-BHC	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	BETA-BHC	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	BETA-BHC	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	BETA-BHC	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	BETA-BHC	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	BETA-BHC	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	BETA-BHC	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	BETA-BHC	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	BETA-BHC	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	BETA-BHC	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	BETA-BHC	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	BETA-BHC	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	BETA-BHC	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	BETA-BHC	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	BETA-BHC	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	BETA-BHC	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	BETA-BHC	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	BETA-BHC	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	BETA-BHC	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	BETA-BHC	18	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-219	CEF-P51-SS-219-01	BETA-BHC	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	BETA-BHC	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	BETA-BHC	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	BETA-BHC	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	BETA-BHC	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	BETA-BHC	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	BETA-BHC	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	BETA-BHC	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	BETA-BHC	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	BETA-BHC	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	BETA-BHC	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	BETA-BHC	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	BETA-BHC	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	BETA-BHC	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	BETA-BHC	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	BETA-BHC	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	BETA-BHC	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	BETA-BHC	95.9	U
CEF-P51-SS-001	CEF-P51-SS-001-01	BOLSTAR	100	U
CEF-P51-SS-002	CEF-P51-SS-002-01	BOLSTAR	100	U
CEF-P51-SS-004	CEF-P51-SS-004-01	BOLSTAR	100	U
CEF-P51-SS-005	CEF-P51-SS-005-01	BOLSTAR	100	U
CEF-P51-SS-006	CEF-P51-SS-006-01	BOLSTAR	100	U
CEF-P51-SS-003	CEF-P51-SS-003-01	BOLSTAR	110	U
CEF-P51-SS-007	CEF-P51-SS-007-01	BOLSTAR	110	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	CHLORDANE	17.5	U
CEF-P51-SS-102	CEF-P51-SS-102-01	CHLORDANE	18	U
CEF-P51-SS-105	CEF-P51-SS-105-01	CHLORDANE	18	U
CEF-P51-SS-107	CEF-P51-SS-107-01	CHLORDANE	18	U
CEF-P51-SS-109	CEF-P51-SS-109-01	CHLORDANE	18	U
CEF-P51-SS-110	CEF-P51-SS-110-01	CHLORDANE	18	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	CHLORDANE	18	U
CEF-P51-SS-116	CEF-P51-SS-116-01	CHLORDANE	18	U
CEF-P51-SS-120	CEF-P51-SS-120-01	CHLORDANE	18	U
CEF-P51-SS-122	CEF-P51-SS-122-01	CHLORDANE	18	U
CEF-P51-SS-124	CEF-P51-SS-124-01	CHLORDANE	18	U
CEF-P51-SS-139	CEF-P51-SS-139-01	CHLORDANE	18	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	CHLORDANE	18	U
CEF-P51-SS-183	CEF-P51-SS-183-01	CHLORDANE	18	U
CEF-P51-SS-184	CEF-P51-SS-184-01	CHLORDANE	18	U
CEF-P51-SS-185	CEF-P51-SS-185-01	CHLORDANE	18	U
CEF-P51-SS-186	CEF-P51-SS-186-01	CHLORDANE	18	U
CEF-P51-SS-187	CEF-P51-SS-187-01	CHLORDANE	18	U
CEF-P51-SS-189	CEF-P51-SS-189-01	CHLORDANE	18	U
CEF-P51-SS-196	CEF-P51-SS-196-01	CHLORDANE	18	U
CEF-P51-SS-206	CEF-P51-SS-206-01	CHLORDANE	18	U
CEF-P51-SS-207	CEF-P51-SS-207-01	CHLORDANE	18	U
CEF-P51-SS-208	CEF-P51-SS-208-01	CHLORDANE	18	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-230	CEF-P51-SS-230-01	CHLORDANE	18	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	CHLORDANE	18	U
CEF-P51-SS-232	CEF-P51-SS-232-01	CHLORDANE	18	U
CEF-P51-SS-264	CEF-P51-SS-264-01	CHLORDANE	18	U
CEF-P51-SS-265	CEF-P51-SS-265-01	CHLORDANE	18	U
CEF-P51-SS-266	CEF-P51-SS-266-01	CHLORDANE	18	U
CEF-P51-SS-268	CEF-P51-SS-268-01	CHLORDANE	18	U
CEF-P51-SS-272	CEF-P51-SS-272-01	CHLORDANE	18	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	CHLORDANE	18	U
CEF-P51-SS-284	CEF-P51-SS-284-01	CHLORDANE	18	U
CEF-P51-SS-287	CEF-P51-SS-287-01	CHLORDANE	18	U
CEF-P51-SS-288	CEF-P51-SS-288-01	CHLORDANE	18	U
CEF-P51-SS-289	CEF-P51-SS-289-01	CHLORDANE	18	U
CEF-P51-SS-291	CEF-P51-SS-291-01	CHLORDANE	18	U
CEF-P51-SS-295	CEF-P51-SS-295-01	CHLORDANE	18	U
CEF-P51-SS-298	CEF-P51-SS-298-01	CHLORDANE	18	U
CEF-P51-SS-300	CEF-P51-SS-300-01	CHLORDANE	18	U
CEF-P51-SS-301	CEF-P51-SS-301-01	CHLORDANE	18	U
CEF-P51-SS-303	CEF-P51-SS-303-01	CHLORDANE	18	U
CEF-P51-SS-308	CEF-P51-SS-308-01	CHLORDANE	18	U
CEF-P51-SS-314	CEF-P51-SS-314-01	CHLORDANE	18	U
CEF-P51-SS-320	CEF-P51-SS-320-01	CHLORDANE	18	U
CEF-P51-SS-321	CEF-P51-SS-321-01	CHLORDANE	18	U
CEF-P51-SS-327	CEF-P51-SS-327-01	CHLORDANE	18	U
CEF-P51-SS-331	CEF-P51-SS-331-01	CHLORDANE	18	U
CEF-P51-SS-332	CEF-P51-SS-332-01	CHLORDANE	18	U
CEF-P51-SS-113	CEF-P51-SS-113-01	CHLORDANE	19	U
CEF-P51-SS-114	CEF-P51-SS-114-01	CHLORDANE	19	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	CHLORDANE	19	U
CEF-P51-SS-143	CEF-P51-SS-143-01	CHLORDANE	19	U
CEF-P51-SS-147	CEF-P51-SS-147-01	CHLORDANE	19	U
CEF-P51-SS-239	CEF-P51-SS-239-01	CHLORDANE	19	U
CEF-P51-SS-242	CEF-P51-SS-242-01	CHLORDANE	19	U
CEF-P51-SS-255	CEF-P51-SS-255-01	CHLORDANE	19	U
CEF-P51-SS-263	CEF-P51-SS-263-01	CHLORDANE	19	U
CEF-P51-SS-273	CEF-P51-SS-273-01	CHLORDANE	19	U
CEF-P51-SS-275	CEF-P51-SS-275-01	CHLORDANE	19	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	CHLORDANE	19	U
CEF-P51-SS-277	CEF-P51-SS-277-01	CHLORDANE	19	U
CEF-P51-SS-278	CEF-P51-SS-278-01	CHLORDANE	19	U
CEF-P51-SS-279	CEF-P51-SS-279-01	CHLORDANE	19	U
CEF-P51-SS-286	CEF-P51-SS-286-01	CHLORDANE	19	U
CEF-P51-SS-290	CEF-P51-SS-290-01	CHLORDANE	19	U
CEF-P51-SS-293	CEF-P51-SS-293-01	CHLORDANE	19	U
CEF-P51-SS-296	CEF-P51-SS-296-01	CHLORDANE	19	U
CEF-P51-SS-307	CEF-P51-SS-307-01	CHLORDANE	19	U
CEF-P51-SS-309	CEF-P51-SS-309-01	CHLORDANE	19	U
CEF-P51-SS-317	CEF-P51-SS-317-01	CHLORDANE	19	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-322	CEF-P51-SS-322-01	CHLORDANE	19	U
CEF-P51-SS-325	CEF-P51-SS-325-01	CHLORDANE	19	U
CEF-P51-SS-328	CEF-P51-SS-328-01	CHLORDANE	19	U
CEF-P51-SS-142	CEF-P51-SS-142-01	CHLORDANE	20	U
CEF-P51-SS-238	CEF-P51-SS-238-01	CHLORDANE	20	U
CEF-P51-SS-256	CEF-P51-SS-256-01	CHLORDANE	20	U
CEF-P51-SS-304	CEF-P51-SS-304-01	CHLORDANE	20	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	CHLORDANE	20	U
CEF-P51-SS-326	CEF-P51-SS-326-01	CHLORDANE	20	U
CEF-P51-SS-210	CEF-P51-SS-210-01	CHLORDANE	21	U
CEF-P51-SS-233	CEF-P51-SS-233-01	CHLORDANE	21	U
CEF-P51-SS-318	CEF-P51-SS-318-01	CHLORDANE	21	U
CEF-P51-SS-245	CEF-P51-SS-245-01	CHLORDANE	23	U
CEF-P51-SS-240	CEF-P51-SS-240-01	CHLORDANE	52.4	J
CEF-P51-SS-267	CEF-P51-SS-267-01	CHLORDANE	72	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	CHLORDANE	77.5	U
CEF-P51-SS-302	CEF-P51-SS-302-01	CHLORDANE	81.7	J
CEF-P51-SS-101	CEF-P51-SS-101-01	CHLORDANE	94	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	CHLORDANE	99	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	CHLORDANE	99	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	CHLORDANE	99	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	CHLORDANE	104.5	U
CEF-P51-SS-104	CEF-P51-SS-104-01	CHLORDANE	180	U
CEF-P51-SS-115	CEF-P51-SS-115-01	CHLORDANE	180	U
CEF-P51-SS-146	CEF-P51-SS-146-01	CHLORDANE	180	U
CEF-P51-SS-165	CEF-P51-SS-165-01	CHLORDANE	180	U
CEF-P51-SS-166	CEF-P51-SS-166-01	CHLORDANE	180	U
CEF-P51-SS-169	CEF-P51-SS-169-01	CHLORDANE	180	U
CEF-P51-SS-188	CEF-P51-SS-188-01	CHLORDANE	180	U
CEF-P51-SS-205	CEF-P51-SS-205-01	CHLORDANE	180	U
CEF-P51-SS-209	CEF-P51-SS-209-01	CHLORDANE	180	U
CEF-P51-SS-219	CEF-P51-SS-219-01	CHLORDANE	180	U
CEF-P51-SS-258	CEF-P51-SS-258-01	CHLORDANE	180	U
CEF-P51-SS-297	CEF-P51-SS-297-01	CHLORDANE	180	U
CEF-P51-SS-310	CEF-P51-SS-310-01	CHLORDANE	180	U
CEF-P51-SS-123	CEF-P51-SS-123-01	CHLORDANE	190	U
CEF-P51-SS-145	CEF-P51-SS-145-01	CHLORDANE	190	U
CEF-P51-SS-167	CEF-P51-SS-167-01	CHLORDANE	190	U
CEF-P51-SS-197	CEF-P51-SS-197-01	CHLORDANE	190	U
CEF-P51-SS-199	CEF-P51-SS-199-01	CHLORDANE	190	U
CEF-P51-SS-200	CEF-P51-SS-200-01	CHLORDANE	190	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	CHLORDANE	190	U
CEF-P51-SS-225	CEF-P51-SS-225-01	CHLORDANE	190	U
CEF-P51-SS-257	CEF-P51-SS-257-01	CHLORDANE	190	U
CEF-P51-SS-108	CEF-P51-SS-108-01	CHLORDANE	200	U
CEF-P51-SS-203	CEF-P51-SS-203-01	CHLORDANE	200	U
CEF-P51-SS-220	CEF-P51-SS-220-01	CHLORDANE	200	U
CEF-P51-SS-163	CEF-P51-SS-163-01	CHLORDANE	210	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-201	CEF-P51-SS-201-01	CHLORDANE	210	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	CHLORDANE	337	J
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	CHLORDANE	959	U
CEF-P51-SS-001	CEF-P51-SS-001-01	CHLORPYRIFOS	110	U
CEF-P51-SS-002	CEF-P51-SS-002-01	CHLORPYRIFOS	110	U
CEF-P51-SS-004	CEF-P51-SS-004-01	CHLORPYRIFOS	110	U
CEF-P51-SS-005	CEF-P51-SS-005-01	CHLORPYRIFOS	110	U
CEF-P51-SS-006	CEF-P51-SS-006-01	CHLORPYRIFOS	110	U
CEF-P51-SS-003	CEF-P51-SS-003-01	CHLORPYRIFOS	120	U
CEF-P51-SS-007	CEF-P51-SS-007-01	CHLORPYRIFOS	120	U
CEF-P51-SS-005	CEF-P51-SS-005-01	COUMAPHOS	540	U
CEF-P51-SS-002	CEF-P51-SS-002-01	COUMAPHOS	550	U
CEF-P51-SS-004	CEF-P51-SS-004-01	COUMAPHOS	550	U
CEF-P51-SS-001	CEF-P51-SS-001-01	COUMAPHOS	560	U
CEF-P51-SS-006	CEF-P51-SS-006-01	COUMAPHOS	560	U
CEF-P51-SS-003	CEF-P51-SS-003-01	COUMAPHOS	600	U
CEF-P51-SS-007	CEF-P51-SS-007-01	COUMAPHOS	620	U
CEF-P51-SS-001	CEF-P51-SS-001-01	DALAPON	220	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DALAPON	220	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DALAPON	220	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DALAPON	220	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DALAPON	220	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DALAPON	240	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DALAPON	250	UJ
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	DELTA-BHC	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	DELTA-BHC	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	DELTA-BHC	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	DELTA-BHC	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	DELTA-BHC	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	DELTA-BHC	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	DELTA-BHC	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	DELTA-BHC	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	DELTA-BHC	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	DELTA-BHC	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	DELTA-BHC	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	DELTA-BHC	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	DELTA-BHC	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	DELTA-BHC	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	DELTA-BHC	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	DELTA-BHC	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	DELTA-BHC	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	DELTA-BHC	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	DELTA-BHC	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	DELTA-BHC	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	DELTA-BHC	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	DELTA-BHC	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-206	CEF-P51-SS-206-01	DELTA-BHC	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	DELTA-BHC	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	DELTA-BHC	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	DELTA-BHC	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	DELTA-BHC	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	DELTA-BHC	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	DELTA-BHC	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	DELTA-BHC	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	DELTA-BHC	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	DELTA-BHC	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	DELTA-BHC	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	DELTA-BHC	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	DELTA-BHC	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	DELTA-BHC	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	DELTA-BHC	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	DELTA-BHC	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	DELTA-BHC	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	DELTA-BHC	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	DELTA-BHC	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	DELTA-BHC	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	DELTA-BHC	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	DELTA-BHC	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	DELTA-BHC	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	DELTA-BHC	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	DELTA-BHC	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	DELTA-BHC	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	DELTA-BHC	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	DELTA-BHC	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	DELTA-BHC	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	DELTA-BHC	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	DELTA-BHC	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	DELTA-BHC	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	DELTA-BHC	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	DELTA-BHC	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	DELTA-BHC	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	DELTA-BHC	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	DELTA-BHC	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	DELTA-BHC	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	DELTA-BHC	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	DELTA-BHC	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	DELTA-BHC	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	DELTA-BHC	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	DELTA-BHC	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	DELTA-BHC	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	DELTA-BHC	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	DELTA-BHC	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	DELTA-BHC	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-286	CEF-P51-SS-286-01	DELTA-BHC	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	DELTA-BHC	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	DELTA-BHC	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	DELTA-BHC	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	DELTA-BHC	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	DELTA-BHC	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	DELTA-BHC	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	DELTA-BHC	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	DELTA-BHC	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	DELTA-BHC	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	DELTA-BHC	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	DELTA-BHC	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	DELTA-BHC	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	DELTA-BHC	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	DELTA-BHC	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	DELTA-BHC	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	DELTA-BHC	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	DELTA-BHC	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	DELTA-BHC	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	DELTA-BHC	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	DELTA-BHC	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	DELTA-BHC	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	DELTA-BHC	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	DELTA-BHC	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	DELTA-BHC	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	DELTA-BHC	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	DELTA-BHC	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	DELTA-BHC	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	DELTA-BHC	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	DELTA-BHC	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	DELTA-BHC	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	DELTA-BHC	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	DELTA-BHC	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	DELTA-BHC	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	DELTA-BHC	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	DELTA-BHC	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	DELTA-BHC	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	DELTA-BHC	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	DELTA-BHC	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	DELTA-BHC	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	DELTA-BHC	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	DELTA-BHC	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	DELTA-BHC	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	DELTA-BHC	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	DELTA-BHC	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	DELTA-BHC	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	DELTA-BHC	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	DELTA-BHC	19	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	DELTA-BHC	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	DELTA-BHC	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	DELTA-BHC	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	DELTA-BHC	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	DELTA-BHC	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	DELTA-BHC	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	DELTA-BHC	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	DELTA-BHC	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	DELTA-BHC	95.9	U
CEF-P51-SS-001	CEF-P51-SS-001-01	DEMETON	100	U
CEF-P51-SS-002	CEF-P51-SS-002-01	DEMETON	100	U
CEF-P51-SS-004	CEF-P51-SS-004-01	DEMETON	100	U
CEF-P51-SS-005	CEF-P51-SS-005-01	DEMETON	100	U
CEF-P51-SS-003	CEF-P51-SS-003-01	DEMETON	110	U
CEF-P51-SS-006	CEF-P51-SS-006-01	DEMETON	110	U
CEF-P51-SS-007	CEF-P51-SS-007-01	DEMETON	120	U
CEF-P51-SS-005	CEF-P51-SS-005-01	DIAZINON	200	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DIAZINON	210	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DIAZINON	210	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DIAZINON	210	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DIAZINON	210	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DIAZINON	230	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DIAZINON	240	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DICAMBA	22	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DICAMBA	22	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DICAMBA	22	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DICAMBA	22	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DICAMBA	22	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DICAMBA	24	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DICAMBA	25	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DICHLOROPROP	54	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DICHLOROPROP	55	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DICHLOROPROP	55	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DICHLOROPROP	55	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DICHLOROPROP	55	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DICHLOROPROP	59	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DICHLOROPROP	62	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DICHLORVOS	92	U
CEF-P51-SS-004	CEF-P51-SS-004-01	DICHLORVOS	93	U
CEF-P51-SS-001	CEF-P51-SS-001-01	DICHLORVOS	94	U
CEF-P51-SS-002	CEF-P51-SS-002-01	DICHLORVOS	94	U
CEF-P51-SS-006	CEF-P51-SS-006-01	DICHLORVOS	96	U
CEF-P51-SS-003	CEF-P51-SS-003-01	DICHLORVOS	100	U
CEF-P51-SS-007	CEF-P51-SS-007-01	DICHLORVOS	100	U
CEF-P51-SS-287	CEF-P51-SS-287-01	DIELDRIN	1.2	J
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	DIELDRIN	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	DIELDRIN	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	DIELDRIN	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-004	CEF-P51-SS-004-01	DIELDRIN	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	DIELDRIN	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	DIELDRIN	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	DIELDRIN	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	DIELDRIN	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	DIELDRIN	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	DIELDRIN	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	DIELDRIN	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	DIELDRIN	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	DIELDRIN	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	DIELDRIN	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	DIELDRIN	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	DIELDRIN	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	DIELDRIN	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	DIELDRIN	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	DIELDRIN	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	DIELDRIN	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	DIELDRIN	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	DIELDRIN	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	DIELDRIN	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	DIELDRIN	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	DIELDRIN	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	DIELDRIN	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	DIELDRIN	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	DIELDRIN	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	DIELDRIN	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	DIELDRIN	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	DIELDRIN	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	DIELDRIN	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	DIELDRIN	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	DIELDRIN	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	DIELDRIN	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	DIELDRIN	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	DIELDRIN	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	DIELDRIN	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	DIELDRIN	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	DIELDRIN	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	DIELDRIN	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	DIELDRIN	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	DIELDRIN	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	DIELDRIN	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	DIELDRIN	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	DIELDRIN	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	DIELDRIN	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	DIELDRIN	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	DIELDRIN	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	DIELDRIN	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	DIELDRIN	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	DIELDRIN	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	DIELDRIN	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	DIELDRIN	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	DIELDRIN	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	DIELDRIN	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	DIELDRIN	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	DIELDRIN	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	DIELDRIN	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	DIELDRIN	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	DIELDRIN	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	DIELDRIN	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	DIELDRIN	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	DIELDRIN	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	DIELDRIN	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	DIELDRIN	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	DIELDRIN	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	DIELDRIN	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	DIELDRIN	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	DIELDRIN	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	DIELDRIN	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	DIELDRIN	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	DIELDRIN	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	DIELDRIN	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	DIELDRIN	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	DIELDRIN	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	DIELDRIN	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	DIELDRIN	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	DIELDRIN	2.1	U
CEF-P51-SS-105	CEF-P51-SS-105-01	DIELDRIN	2.2	
CEF-P51-SS-245	CEF-P51-SS-245-01	DIELDRIN	2.3	U
CEF-P51-SS-147	CEF-P51-SS-147-01	DIELDRIN	2.5	
CEF-P51-SS-240	CEF-P51-SS-240-01	DIELDRIN	3.3	
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	DIELDRIN	3.5	J
CEF-P51-SS-003	CEF-P51-SS-003-01	DIELDRIN	4.3	U
CEF-P51-SS-116	CEF-P51-SS-116-01	DIELDRIN	5.8	
CEF-P51-SS-286	CEF-P51-SS-286-01	DIELDRIN	6.3	
CEF-P51-SS-267	CEF-P51-SS-267-01	DIELDRIN	7.2	U
CEF-P51-SS-302	CEF-P51-SS-302-01	DIELDRIN	9.6	
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	DIELDRIN	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	DIELDRIN	9.9	U
CEF-P51-SS-284	CEF-P51-SS-284-01	DIELDRIN	10.1	
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	DIELDRIN	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	DIELDRIN	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	DIELDRIN	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	DIELDRIN	18	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-165	CEF-P51-SS-165-01	DIELDRIN	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	DIELDRIN	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	DIELDRIN	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	DIELDRIN	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	DIELDRIN	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	DIELDRIN	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	DIELDRIN	18	U
CEF-P51-SS-124	CEF-P51-SS-124-01	DIELDRIN	18.2	
CEF-P51-SS-123	CEF-P51-SS-123-01	DIELDRIN	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	DIELDRIN	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	DIELDRIN	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	DIELDRIN	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	DIELDRIN	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	DIELDRIN	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	DIELDRIN	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	DIELDRIN	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	DIELDRIN	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	DIELDRIN	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	DIELDRIN	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	DIELDRIN	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	DIELDRIN	21	U
CEF-P51-SS-219	CEF-P51-SS-219-01	DIELDRIN	22.3	
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	DIELDRIN	25.55	
CEF-P51-SS-006	CEF-P51-SS-006-01	DIELDRIN	26.2	
CEF-P51-SS-233	CEF-P51-SS-233-01	DIELDRIN	30.8	
CEF-P51-SS-101	CEF-P51-SS-101-01	DIELDRIN	90	
CEF-P51-SS-310	CEF-P51-SS-310-01	DIELDRIN	137	
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	DIELDRIN	216	J
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	DIELDRIN	720.45	J
CEF-P51-SS-005	CEF-P51-SS-005-01	DIMETHOATE	41	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DIMETHOATE	42	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DIMETHOATE	42	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DIMETHOATE	42	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DIMETHOATE	43	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DIMETHOATE	46	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DIMETHOATE	47	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DINOSEB	22	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DINOSEB	22	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DINOSEB	22	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DINOSEB	22	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DINOSEB	22	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	DINOSEB	24	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DINOSEB	25	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	DISULFOTON	130	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	DISULFOTON	130	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	DISULFOTON	130	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	DISULFOTON	130	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	DISULFOTON	130	UJ

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-003	CEF-P51-SS-003-01	DISULFOTON	140	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	DISULFOTON	150	UJ
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDOSULFAN I	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDOSULFAN I	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDOSULFAN I	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDOSULFAN I	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDOSULFAN I	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDOSULFAN I	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDOSULFAN I	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDOSULFAN I	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDOSULFAN I	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDOSULFAN I	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDOSULFAN I	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDOSULFAN I	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDOSULFAN I	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDOSULFAN I	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDOSULFAN I	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDOSULFAN I	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDOSULFAN I	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDOSULFAN I	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDOSULFAN I	4	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDOSULFAN I	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDOSULFAN I	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDOSULFAN I	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDOSULFAN I	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDOSULFAN I	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDOSULFAN I	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDOSULFAN I	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDOSULFAN I	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDOSULFAN I	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDOSULFAN I	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDOSULFAN I	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDOSULFAN I	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDOSULFAN I	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDOSULFAN I	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDOSULFAN I	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDOSULFAN I	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDOSULFAN I	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDOSULFAN I	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDOSULFAN I	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDOSULFAN I	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDOSULFAN I	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDOSULFAN I	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDOSULFAN I	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDOSULFAN I	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDOSULFAN I	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDOSULFAN I	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDOSULFAN I	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDOSULFAN I	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDOSULFAN I	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDOSULFAN I	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDOSULFAN I	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDOSULFAN I	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDOSULFAN I	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDOSULFAN I	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDOSULFAN I	95.9	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDOSULFAN II	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDOSULFAN II	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDOSULFAN II	3.6	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDOSULFAN II	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDOSULFAN II	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDOSULFAN II	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDOSULFAN II	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDOSULFAN II	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDOSULFAN II	3.7	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDOSULFAN II	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDOSULFAN II	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDOSULFAN II	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDOSULFAN II	3.8	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDOSULFAN II	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDOSULFAN II	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDOSULFAN II	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDOSULFAN II	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDOSULFAN II	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDOSULFAN II	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDOSULFAN II	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDOSULFAN II	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDOSULFAN II	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDOSULFAN II	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDOSULFAN II	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDOSULFAN II	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDOSULFAN II	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDOSULFAN II	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDOSULFAN II	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDOSULFAN II	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDOSULFAN II	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDOSULFAN II	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDOSULFAN II	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDOSULFAN II	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDOSULFAN II	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDOSULFAN II	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDOSULFAN II	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDOSULFAN II	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDOSULFAN II	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDOSULFAN II	36	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDOSULFAN II	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDOSULFAN II	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDOSULFAN II	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDOSULFAN II	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDOSULFAN II	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDOSULFAN II	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDOSULFAN II	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDOSULFAN II	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDOSULFAN II	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDOSULFAN II	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDOSULFAN II	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDOSULFAN II	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDOSULFAN II	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDOSULFAN II	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDOSULFAN II	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDOSULFAN II	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDOSULFAN II	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDOSULFAN II	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDOSULFAN II	54	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDOSULFAN II	191.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDOSULFAN SULFATE	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDOSULFAN SULFATE	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDOSULFAN SULFATE	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDOSULFAN SULFATE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDOSULFAN SULFATE	3.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDOSULFAN SULFATE	3.8	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDOSULFAN SULFATE	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDOSULFAN SULFATE	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDOSULFAN SULFATE	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDOSULFAN SULFATE	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDOSULFAN SULFATE	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDOSULFAN SULFATE	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDOSULFAN SULFATE	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDOSULFAN SULFATE	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDOSULFAN SULFATE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDOSULFAN SULFATE	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDOSULFAN SULFATE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDOSULFAN SULFATE	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDOSULFAN SULFATE	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDOSULFAN SULFATE	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDOSULFAN SULFATE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDOSULFAN SULFATE	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDOSULFAN SULFATE	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDOSULFAN SULFATE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDOSULFAN SULFATE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDOSULFAN SULFATE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDOSULFAN SULFATE	39	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDOSULFAN SULFATE	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDOSULFAN SULFATE	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDOSULFAN SULFATE	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDOSULFAN SULFATE	54	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDOSULFAN SULFATE	191.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDRIN	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDRIN	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDRIN	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDRIN	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDRIN	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDRIN	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDRIN	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDRIN	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDRIN	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDRIN	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDRIN	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDRIN	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDRIN	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDRIN	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDRIN	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDRIN	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDRIN	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDRIN	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDRIN	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDRIN	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDRIN	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDRIN	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDRIN	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDRIN	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDRIN	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDRIN	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDRIN	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDRIN	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDRIN	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDRIN	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDRIN	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDRIN	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDRIN	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDRIN	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDRIN	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDRIN	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDRIN	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDRIN	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDRIN	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDRIN	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDRIN	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDRIN	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDRIN	3.7	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDRIN	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDRIN	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDRIN	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDRIN	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDRIN	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDRIN	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDRIN	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDRIN	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDRIN	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDRIN	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDRIN	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDRIN	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDRIN	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDRIN	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDRIN	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDRIN	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDRIN	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDRIN	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDRIN	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDRIN	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDRIN	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDRIN	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDRIN	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDRIN	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDRIN	3.8	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDRIN	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDRIN	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDRIN	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDRIN	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDRIN	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDRIN	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDRIN	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDRIN	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDRIN	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDRIN	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDRIN	3.8	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDRIN	3.9	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDRIN	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDRIN	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDRIN	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDRIN	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDRIN	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDRIN	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDRIN	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDRIN	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDRIN	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDRIN	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDRIN	4.3	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDRIN	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDRIN	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDRIN	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDRIN	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDRIN	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDRIN	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDRIN	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDRIN	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDRIN	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDRIN	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDRIN	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDRIN	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDRIN	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDRIN	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDRIN	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDRIN	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDRIN	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDRIN	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDRIN	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDRIN	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDRIN	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDRIN	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDRIN	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDRIN	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDRIN	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDRIN	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDRIN	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDRIN	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDRIN	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDRIN	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDRIN	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDRIN	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDRIN	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDRIN	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDRIN	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDRIN	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDRIN	54	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDRIN	191.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDRIN ALDEHYDE	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDRIN ALDEHYDE	3.5	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDRIN ALDEHYDE	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDRIN ALDEHYDE	3.7	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDRIN ALDEHYDE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDRIN ALDEHYDE	3.8	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDRIN ALDEHYDE	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDRIN ALDEHYDE	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDRIN ALDEHYDE	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDRIN ALDEHYDE	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDRIN ALDEHYDE	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDRIN ALDEHYDE	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDRIN ALDEHYDE	4.3	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDRIN ALDEHYDE	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDRIN ALDEHYDE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDRIN ALDEHYDE	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDRIN ALDEHYDE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDRIN ALDEHYDE	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDRIN ALDEHYDE	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDRIN ALDEHYDE	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDRIN ALDEHYDE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDRIN ALDEHYDE	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDRIN ALDEHYDE	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDRIN ALDEHYDE	36	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDRIN ALDEHYDE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDRIN ALDEHYDE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDRIN ALDEHYDE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDRIN ALDEHYDE	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDRIN ALDEHYDE	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDRIN ALDEHYDE	42	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDRIN ALDEHYDE	54	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDRIN ALDEHYDE	191.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-109	CEF-P51-SS-109-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	ENDRIN KETONE	3.5	U
CEF-P51-SS-258	CEF-P51-SS-258-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	ENDRIN KETONE	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	ENDRIN KETONE	3.6	U
CEF-P51-SS-116	CEF-P51-SS-116-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-124	CEF-P51-SS-124-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	ENDRIN KETONE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	ENDRIN KETONE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	ENDRIN KETONE	3.6	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-301	CEF-P51-SS-301-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	ENDRIN KETONE	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-302	CEF-P51-SS-302-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	ENDRIN KETONE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	ENDRIN KETONE	3.8	U
CEF-P51-SS-143	CEF-P51-SS-143-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-240	CEF-P51-SS-240-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	ENDRIN KETONE	3.8	U
CEF-P51-SS-238	CEF-P51-SS-238-01	ENDRIN KETONE	3.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	ENDRIN KETONE	3.9	U
CEF-P51-SS-142	CEF-P51-SS-142-01	ENDRIN KETONE	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ENDRIN KETONE	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	ENDRIN KETONE	4.2	U
CEF-P51-SS-233	CEF-P51-SS-233-01	ENDRIN KETONE	4.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ENDRIN KETONE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ENDRIN KETONE	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	ENDRIN KETONE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	ENDRIN KETONE	15.5	U
CEF-P51-SS-101	CEF-P51-SS-101-01	ENDRIN KETONE	19	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	ENDRIN KETONE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	ENDRIN KETONE	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	ENDRIN KETONE	20.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	ENDRIN KETONE	21.5	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	ENDRIN KETONE	35	U
CEF-P51-SS-186	CEF-P51-SS-186-01	ENDRIN KETONE	35	U
CEF-P51-SS-327	CEF-P51-SS-327-01	ENDRIN KETONE	35	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	ENDRIN KETONE	36	U
CEF-P51-SS-104	CEF-P51-SS-104-01	ENDRIN KETONE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	ENDRIN KETONE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	ENDRIN KETONE	36	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-166	CEF-P51-SS-166-01	ENDRIN KETONE	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	ENDRIN KETONE	36	U
CEF-P51-SS-187	CEF-P51-SS-187-01	ENDRIN KETONE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	ENDRIN KETONE	36	U
CEF-P51-SS-232	CEF-P51-SS-232-01	ENDRIN KETONE	36	U
CEF-P51-SS-272	CEF-P51-SS-272-01	ENDRIN KETONE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	ENDRIN KETONE	36	U
CEF-P51-SS-300	CEF-P51-SS-300-01	ENDRIN KETONE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	ENDRIN KETONE	36	U
CEF-P51-SS-332	CEF-P51-SS-332-01	ENDRIN KETONE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	ENDRIN KETONE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	ENDRIN KETONE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	ENDRIN KETONE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	ENDRIN KETONE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	ENDRIN KETONE	37	U
CEF-P51-SS-209	CEF-P51-SS-209-01	ENDRIN KETONE	37	U
CEF-P51-SS-255	CEF-P51-SS-255-01	ENDRIN KETONE	37	U
CEF-P51-SS-263	CEF-P51-SS-263-01	ENDRIN KETONE	37	U
CEF-P51-SS-264	CEF-P51-SS-264-01	ENDRIN KETONE	37	U
CEF-P51-SS-268	CEF-P51-SS-268-01	ENDRIN KETONE	37	U
CEF-P51-SS-275	CEF-P51-SS-275-01	ENDRIN KETONE	37	U
CEF-P51-SS-279	CEF-P51-SS-279-01	ENDRIN KETONE	37	U
CEF-P51-SS-286	CEF-P51-SS-286-01	ENDRIN KETONE	37	U
CEF-P51-SS-290	CEF-P51-SS-290-01	ENDRIN KETONE	37	U
CEF-P51-SS-291	CEF-P51-SS-291-01	ENDRIN KETONE	37	U
CEF-P51-SS-295	CEF-P51-SS-295-01	ENDRIN KETONE	37	U
CEF-P51-SS-314	CEF-P51-SS-314-01	ENDRIN KETONE	37	U
CEF-P51-SS-331	CEF-P51-SS-331-01	ENDRIN KETONE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	ENDRIN KETONE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	ENDRIN KETONE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	ENDRIN KETONE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	ENDRIN KETONE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	ENDRIN KETONE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	ENDRIN KETONE	38	U
CEF-P51-SS-273	CEF-P51-SS-273-01	ENDRIN KETONE	38	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	ENDRIN KETONE	38	U
CEF-P51-SS-277	CEF-P51-SS-277-01	ENDRIN KETONE	38	U
CEF-P51-SS-293	CEF-P51-SS-293-01	ENDRIN KETONE	38	U
CEF-P51-SS-296	CEF-P51-SS-296-01	ENDRIN KETONE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	ENDRIN KETONE	39	U
CEF-P51-SS-147	CEF-P51-SS-147-01	ENDRIN KETONE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	ENDRIN KETONE	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	ENDRIN KETONE	39	U
CEF-P51-SS-278	CEF-P51-SS-278-01	ENDRIN KETONE	39	U
CEF-P51-SS-304	CEF-P51-SS-304-01	ENDRIN KETONE	39	U
CEF-P51-SS-256	CEF-P51-SS-256-01	ENDRIN KETONE	40	U
CEF-P51-SS-326	CEF-P51-SS-326-01	ENDRIN KETONE	40	U
CEF-P51-SS-163	CEF-P51-SS-163-01	ENDRIN KETONE	41	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-201	CEF-P51-SS-201-01	ENDRIN KETONE	42	U
CEF-P51-SS-210	CEF-P51-SS-210-01	ENDRIN KETONE	43	U
CEF-P51-SS-245	CEF-P51-SS-245-01	ENDRIN KETONE	45	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	ENDRIN KETONE	54	U
CEF-P51-SS-183	CEF-P51-SS-183-01	ENDRIN KETONE	180	U
CEF-P51-SS-184	CEF-P51-SS-184-01	ENDRIN KETONE	180	U
CEF-P51-SS-185	CEF-P51-SS-185-01	ENDRIN KETONE	180	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	ENDRIN KETONE	191.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	EPN	40	U
CEF-P51-SS-004	CEF-P51-SS-004-01	EPN	48	U
CEF-P51-SS-001	CEF-P51-SS-001-01	EPN	49	U
CEF-P51-SS-006	CEF-P51-SS-006-01	EPN	49	U
CEF-P51-SS-003	CEF-P51-SS-003-01	EPN	53	U
CEF-P51-SS-007	CEF-P51-SS-007-01	EPN	55	U
CEF-P51-SS-005	CEF-P51-SS-005-01	EPN	480	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ETHOPROP	180	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ETHOPROP	190	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ETHOPROP	190	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ETHOPROP	190	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ETHOPROP	190	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ETHOPROP	210	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ETHOPROP	220	U
CEF-P51-SS-004	CEF-P51-SS-004-01	ETHYL PARATHION	49	U
CEF-P51-SS-005	CEF-P51-SS-005-01	ETHYL PARATHION	49	U
CEF-P51-SS-001	CEF-P51-SS-001-01	ETHYL PARATHION	50	U
CEF-P51-SS-002	CEF-P51-SS-002-01	ETHYL PARATHION	50	U
CEF-P51-SS-006	CEF-P51-SS-006-01	ETHYL PARATHION	50	U
CEF-P51-SS-003	CEF-P51-SS-003-01	ETHYL PARATHION	54	U
CEF-P51-SS-007	CEF-P51-SS-007-01	ETHYL PARATHION	56	U
CEF-P51-SS-005	CEF-P51-SS-005-01	FENSULFOTHION	420	U
CEF-P51-SS-001	CEF-P51-SS-001-01	FENSULFOTHION	430	U
CEF-P51-SS-002	CEF-P51-SS-002-01	FENSULFOTHION	430	U
CEF-P51-SS-004	CEF-P51-SS-004-01	FENSULFOTHION	430	U
CEF-P51-SS-006	CEF-P51-SS-006-01	FENSULFOTHION	440	U
CEF-P51-SS-003	CEF-P51-SS-003-01	FENSULFOTHION	470	U
CEF-P51-SS-007	CEF-P51-SS-007-01	FENSULFOTHION	480	U
CEF-P51-SS-005	CEF-P51-SS-005-01	FENTHION	75	U
CEF-P51-SS-002	CEF-P51-SS-002-01	FENTHION	76	U
CEF-P51-SS-004	CEF-P51-SS-004-01	FENTHION	76	U
CEF-P51-SS-001	CEF-P51-SS-001-01	FENTHION	77	U
CEF-P51-SS-006	CEF-P51-SS-006-01	FENTHION	78	U
CEF-P51-SS-003	CEF-P51-SS-003-01	FENTHION	83	U
CEF-P51-SS-007	CEF-P51-SS-007-01	FENTHION	86	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	GAMMA-BHC (LINDANE)	1.75	U
CEF-P51-SS-001	CEF-P51-SS-001-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	GAMMA-BHC (LINDANE)	1.8	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-102	CEF-P51-SS-102-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	GAMMA-BHC (LINDANE)	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	GAMMA-BHC (LINDANE)	1.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-242	CEF-P51-SS-242-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	GAMMA-BHC (LINDANE)	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	GAMMA-BHC (LINDANE)	2	U
CEF-P51-SS-233	CEF-P51-SS-233-01	GAMMA-BHC (LINDANE)	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	GAMMA-BHC (LINDANE)	2.1	U
CEF-P51-SS-006	CEF-P51-SS-006-01	GAMMA-BHC (LINDANE)	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	GAMMA-BHC (LINDANE)	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	GAMMA-BHC (LINDANE)	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	GAMMA-BHC (LINDANE)	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	GAMMA-BHC (LINDANE)	9.4	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	GAMMA-BHC (LINDANE)	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	GAMMA-BHC (LINDANE)	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	GAMMA-BHC (LINDANE)	9.9	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	GAMMA-BHC (LINDANE)	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	GAMMA-BHC (LINDANE)	10.45	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	GAMMA-BHC (LINDANE)	11	U
CEF-P51-SS-104	CEF-P51-SS-104-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-232	CEF-P51-SS-232-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-264	CEF-P51-SS-264-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-291	CEF-P51-SS-291-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-300	CEF-P51-SS-300-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-314	CEF-P51-SS-314-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-327	CEF-P51-SS-327-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-331	CEF-P51-SS-331-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-332	CEF-P51-SS-332-01	GAMMA-BHC (LINDANE)	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	GAMMA-BHC (LINDANE)	19	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-167	CEF-P51-SS-167-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-255	CEF-P51-SS-255-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-263	CEF-P51-SS-263-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-273	CEF-P51-SS-273-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-275	CEF-P51-SS-275-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-277	CEF-P51-SS-277-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-278	CEF-P51-SS-278-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-279	CEF-P51-SS-279-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-290	CEF-P51-SS-290-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-293	CEF-P51-SS-293-01	GAMMA-BHC (LINDANE)	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-256	CEF-P51-SS-256-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-304	CEF-P51-SS-304-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-326	CEF-P51-SS-326-01	GAMMA-BHC (LINDANE)	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	GAMMA-BHC (LINDANE)	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	GAMMA-BHC (LINDANE)	21	U
CEF-P51-SS-210	CEF-P51-SS-210-01	GAMMA-BHC (LINDANE)	21	U
CEF-P51-SS-245	CEF-P51-SS-245-01	GAMMA-BHC (LINDANE)	23	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	GAMMA-BHC (LINDANE)	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	GAMMA-BHC (LINDANE)	95.9	U
CEF-P51-SS-258	CEF-P51-SS-258-01	GAMMA-CHLORDANE	1.1	J
CEF-P51-SS-147	CEF-P51-SS-147-01	GAMMA-CHLORDANE	1.3	J
CEF-P51-SS-105	CEF-P51-SS-105-01	GAMMA-CHLORDANE	1.6	J
CEF-P51-SS-240	CEF-P51-SS-240-01	GAMMA-CHLORDANE	1.7	J
CEF-P51-SS-116	CEF-P51-SS-116-01	GAMMA-CHLORDANE	2.6	J
CEF-P51-SS-302	CEF-P51-SS-302-01	GAMMA-CHLORDANE	3.1	J
CEF-P51-SS-109	CEF-P51-SS-109-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-183	CEF-P51-SS-183-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-186	CEF-P51-SS-186-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-208	CEF-P51-SS-208-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-303	CEF-P51-SS-303-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-321	CEF-P51-SS-321-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-327	CEF-P51-SS-327-01	GAMMA-CHLORDANE	3.5	U
CEF-P51-SS-002	CEF-P51-SS-002-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-102	CEF-P51-SS-102-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-107	CEF-P51-SS-107-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-110	CEF-P51-SS-110-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-122	CEF-P51-SS-122-01	GAMMA-CHLORDANE	3.6	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-124	CEF-P51-SS-124-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-139	CEF-P51-SS-139-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-184	CEF-P51-SS-184-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-185	CEF-P51-SS-185-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-187	CEF-P51-SS-187-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-189	CEF-P51-SS-189-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-232	CEF-P51-SS-232-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-266	CEF-P51-SS-266-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-272	CEF-P51-SS-272-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-284	CEF-P51-SS-284-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-287	CEF-P51-SS-287-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-288	CEF-P51-SS-288-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-289	CEF-P51-SS-289-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-298	CEF-P51-SS-298-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-300	CEF-P51-SS-300-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-301	CEF-P51-SS-301-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-308	CEF-P51-SS-308-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-320	CEF-P51-SS-320-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-332	CEF-P51-SS-332-01	GAMMA-CHLORDANE	3.6	U
CEF-P51-SS-001	CEF-P51-SS-001-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-004	CEF-P51-SS-004-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-005	CEF-P51-SS-005-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-120	CEF-P51-SS-120-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-196	CEF-P51-SS-196-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-206	CEF-P51-SS-206-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-207	CEF-P51-SS-207-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-230	CEF-P51-SS-230-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-242	CEF-P51-SS-242-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-255	CEF-P51-SS-255-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-263	CEF-P51-SS-263-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-264	CEF-P51-SS-264-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-265	CEF-P51-SS-265-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-268	CEF-P51-SS-268-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-275	CEF-P51-SS-275-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-279	CEF-P51-SS-279-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-286	CEF-P51-SS-286-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-290	CEF-P51-SS-290-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-291	CEF-P51-SS-291-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-295	CEF-P51-SS-295-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-314	CEF-P51-SS-314-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-317	CEF-P51-SS-317-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-331	CEF-P51-SS-331-01	GAMMA-CHLORDANE	3.7	U
CEF-P51-SS-113	CEF-P51-SS-113-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-114	CEF-P51-SS-114-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	GAMMA-CHLORDANE	3.8	U

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-143	CEF-P51-SS-143-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-239	CEF-P51-SS-239-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-273	CEF-P51-SS-273-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-277	CEF-P51-SS-277-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-293	CEF-P51-SS-293-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-296	CEF-P51-SS-296-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-307	CEF-P51-SS-307-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-309	CEF-P51-SS-309-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-322	CEF-P51-SS-322-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-325	CEF-P51-SS-325-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-328	CEF-P51-SS-328-01	GAMMA-CHLORDANE	3.8	U
CEF-P51-SS-238	CEF-P51-SS-238-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-304	CEF-P51-SS-304-01	GAMMA-CHLORDANE	3.9	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	GAMMA-CHLORDANE	3.95	U
CEF-P51-SS-142	CEF-P51-SS-142-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-256	CEF-P51-SS-256-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-326	CEF-P51-SS-326-01	GAMMA-CHLORDANE	4	U
CEF-P51-SS-007	CEF-P51-SS-007-01	GAMMA-CHLORDANE	4.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	GAMMA-CHLORDANE	4.2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	GAMMA-CHLORDANE	4.3	U
CEF-P51-SS-233	CEF-P51-SS-233-01	GAMMA-CHLORDANE	4.3	U
CEF-P51-SS-257	CEF-P51-SS-257-01	GAMMA-CHLORDANE	4.4	
CEF-P51-SS-245	CEF-P51-SS-245-01	GAMMA-CHLORDANE	4.5	U
CEF-P51-SS-006	CEF-P51-SS-006-01	GAMMA-CHLORDANE	8	U
CEF-P51-SS-003	CEF-P51-SS-003-01	GAMMA-CHLORDANE	8.7	U
CEF-P51-SS-267	CEF-P51-SS-267-01	GAMMA-CHLORDANE	14	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	GAMMA-CHLORDANE	15.5	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	GAMMA-CHLORDANE	18.7	J
CEF-P51-SS-101	CEF-P51-SS-101-01	GAMMA-CHLORDANE	19	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	GAMMA-CHLORDANE	19.25	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	GAMMA-CHLORDANE	19.8	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	GAMMA-CHLORDANE	20.35	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	GAMMA-CHLORDANE	20.9	U
CEF-P51-SS-104	CEF-P51-SS-104-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-115	CEF-P51-SS-115-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-146	CEF-P51-SS-146-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-166	CEF-P51-SS-166-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-169	CEF-P51-SS-169-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-219	CEF-P51-SS-219-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-297	CEF-P51-SS-297-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-310	CEF-P51-SS-310-01	GAMMA-CHLORDANE	36	U
CEF-P51-SS-165	CEF-P51-SS-165-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-167	CEF-P51-SS-167-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-188	CEF-P51-SS-188-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-199	CEF-P51-SS-199-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-205	CEF-P51-SS-205-01	GAMMA-CHLORDANE	37	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-209	CEF-P51-SS-209-01	GAMMA-CHLORDANE	37	U
CEF-P51-SS-123	CEF-P51-SS-123-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-145	CEF-P51-SS-145-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-197	CEF-P51-SS-197-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-200	CEF-P51-SS-200-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	GAMMA-CHLORDANE	38	U
CEF-P51-SS-225	CEF-P51-SS-225-01	GAMMA-CHLORDANE	38	U
CEF-P51-SS-108	CEF-P51-SS-108-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-203	CEF-P51-SS-203-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-220	CEF-P51-SS-220-01	GAMMA-CHLORDANE	39	U
CEF-P51-SS-163	CEF-P51-SS-163-01	GAMMA-CHLORDANE	41	U
CEF-P51-SS-201	CEF-P51-SS-201-01	GAMMA-CHLORDANE	42	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	GAMMA-CHLORDANE	66.9	J
CEF-P51-SS-001	CEF-P51-SS-001-01	HEPTACHLOR	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	HEPTACHLOR	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	HEPTACHLOR	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	HEPTACHLOR	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	HEPTACHLOR	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	HEPTACHLOR	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	HEPTACHLOR	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	HEPTACHLOR	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	HEPTACHLOR	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	HEPTACHLOR	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	HEPTACHLOR	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	HEPTACHLOR	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	HEPTACHLOR	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	HEPTACHLOR	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	HEPTACHLOR	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	HEPTACHLOR	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	HEPTACHLOR	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	HEPTACHLOR	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	HEPTACHLOR	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	HEPTACHLOR	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	HEPTACHLOR	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	HEPTACHLOR	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	HEPTACHLOR	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	HEPTACHLOR	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	HEPTACHLOR	1.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	HEPTACHLOR	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	HEPTACHLOR	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	HEPTACHLOR	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	HEPTACHLOR	2	U
CEF-P51-SS-233	CEF-P51-SS-233-01	HEPTACHLOR	2.1	U
CEF-P51-SS-006	CEF-P51-SS-006-01	HEPTACHLOR	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	HEPTACHLOR	4.3	U
CEF-P51-SS-101	CEF-P51-SS-101-01	HEPTACHLOR	9.4	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	HEPTACHLOR	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	HEPTACHLOR	9.9	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	HEPTACHLOR	10.45	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	HEPTACHLOR	17.5	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-104	CEF-P51-SS-104-01	HEPTACHLOR	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	HEPTACHLOR	18	U
CEF-P51-SS-120	CEF-P51-SS-120-01	HEPTACHLOR	18	U
CEF-P51-SS-122	CEF-P51-SS-122-01	HEPTACHLOR	18	U
CEF-P51-SS-124	CEF-P51-SS-124-01	HEPTACHLOR	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	HEPTACHLOR	18	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	HEPTACHLOR	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	HEPTACHLOR	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	HEPTACHLOR	18	U
CEF-P51-SS-186	CEF-P51-SS-186-01	HEPTACHLOR	18	U
CEF-P51-SS-187	CEF-P51-SS-187-01	HEPTACHLOR	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	HEPTACHLOR	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	HEPTACHLOR	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	HEPTACHLOR	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	HEPTACHLOR	18	U
CEF-P51-SS-230	CEF-P51-SS-230-01	HEPTACHLOR	18	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-232	CEF-P51-SS-232-01	HEPTACHLOR	18	U
CEF-P51-SS-264	CEF-P51-SS-264-01	HEPTACHLOR	18	U
CEF-P51-SS-265	CEF-P51-SS-265-01	HEPTACHLOR	18	U
CEF-P51-SS-266	CEF-P51-SS-266-01	HEPTACHLOR	18	U
CEF-P51-SS-267	CEF-P51-SS-267-01	HEPTACHLOR	18	U
CEF-P51-SS-268	CEF-P51-SS-268-01	HEPTACHLOR	18	U
CEF-P51-SS-272	CEF-P51-SS-272-01	HEPTACHLOR	18	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	HEPTACHLOR	18	U
CEF-P51-SS-284	CEF-P51-SS-284-01	HEPTACHLOR	18	U
CEF-P51-SS-287	CEF-P51-SS-287-01	HEPTACHLOR	18	U
CEF-P51-SS-288	CEF-P51-SS-288-01	HEPTACHLOR	18	U
CEF-P51-SS-289	CEF-P51-SS-289-01	HEPTACHLOR	18	U
CEF-P51-SS-291	CEF-P51-SS-291-01	HEPTACHLOR	18	U
CEF-P51-SS-295	CEF-P51-SS-295-01	HEPTACHLOR	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	HEPTACHLOR	18	U
CEF-P51-SS-300	CEF-P51-SS-300-01	HEPTACHLOR	18	U
CEF-P51-SS-301	CEF-P51-SS-301-01	HEPTACHLOR	18	U
CEF-P51-SS-302	CEF-P51-SS-302-01	HEPTACHLOR	18	U
CEF-P51-SS-303	CEF-P51-SS-303-01	HEPTACHLOR	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	HEPTACHLOR	18	U
CEF-P51-SS-314	CEF-P51-SS-314-01	HEPTACHLOR	18	U
CEF-P51-SS-320	CEF-P51-SS-320-01	HEPTACHLOR	18	U
CEF-P51-SS-321	CEF-P51-SS-321-01	HEPTACHLOR	18	U
CEF-P51-SS-327	CEF-P51-SS-327-01	HEPTACHLOR	18	U
CEF-P51-SS-331	CEF-P51-SS-331-01	HEPTACHLOR	18	U
CEF-P51-SS-332	CEF-P51-SS-332-01	HEPTACHLOR	18	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	HEPTACHLOR	19	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-123	CEF-P51-SS-123-01	HEPTACHLOR	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	HEPTACHLOR	19	U
CEF-P51-SS-147	CEF-P51-SS-147-01	HEPTACHLOR	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	HEPTACHLOR	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	HEPTACHLOR	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	HEPTACHLOR	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	HEPTACHLOR	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	HEPTACHLOR	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	HEPTACHLOR	19	U
CEF-P51-SS-242	CEF-P51-SS-242-01	HEPTACHLOR	19	U
CEF-P51-SS-255	CEF-P51-SS-255-01	HEPTACHLOR	19	U
CEF-P51-SS-263	CEF-P51-SS-263-01	HEPTACHLOR	19	U
CEF-P51-SS-273	CEF-P51-SS-273-01	HEPTACHLOR	19	U
CEF-P51-SS-275	CEF-P51-SS-275-01	HEPTACHLOR	19	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	HEPTACHLOR	19	U
CEF-P51-SS-277	CEF-P51-SS-277-01	HEPTACHLOR	19	U
CEF-P51-SS-278	CEF-P51-SS-278-01	HEPTACHLOR	19	U
CEF-P51-SS-279	CEF-P51-SS-279-01	HEPTACHLOR	19	U
CEF-P51-SS-286	CEF-P51-SS-286-01	HEPTACHLOR	19	U
CEF-P51-SS-290	CEF-P51-SS-290-01	HEPTACHLOR	19	U
CEF-P51-SS-293	CEF-P51-SS-293-01	HEPTACHLOR	19	U
CEF-P51-SS-296	CEF-P51-SS-296-01	HEPTACHLOR	19	U
CEF-P51-SS-307	CEF-P51-SS-307-01	HEPTACHLOR	19	U
CEF-P51-SS-309	CEF-P51-SS-309-01	HEPTACHLOR	19	U
CEF-P51-SS-317	CEF-P51-SS-317-01	HEPTACHLOR	19	U
CEF-P51-SS-322	CEF-P51-SS-322-01	HEPTACHLOR	19	U
CEF-P51-SS-325	CEF-P51-SS-325-01	HEPTACHLOR	19	U
CEF-P51-SS-328	CEF-P51-SS-328-01	HEPTACHLOR	19	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	HEPTACHLOR	19.5	U
CEF-P51-SS-108	CEF-P51-SS-108-01	HEPTACHLOR	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	HEPTACHLOR	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	HEPTACHLOR	20	U
CEF-P51-SS-256	CEF-P51-SS-256-01	HEPTACHLOR	20	U
CEF-P51-SS-304	CEF-P51-SS-304-01	HEPTACHLOR	20	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	HEPTACHLOR	20	U
CEF-P51-SS-326	CEF-P51-SS-326-01	HEPTACHLOR	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	HEPTACHLOR	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	HEPTACHLOR	21	U
CEF-P51-SS-210	CEF-P51-SS-210-01	HEPTACHLOR	21	U
CEF-P51-SS-318	CEF-P51-SS-318-01	HEPTACHLOR	21	U
CEF-P51-SS-245	CEF-P51-SS-245-01	HEPTACHLOR	23	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	HEPTACHLOR	27	U
CEF-P51-SS-183	CEF-P51-SS-183-01	HEPTACHLOR	88	U
CEF-P51-SS-184	CEF-P51-SS-184-01	HEPTACHLOR	91	U
CEF-P51-SS-185	CEF-P51-SS-185-01	HEPTACHLOR	91	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	HEPTACHLOR	95.9	U
CEF-P51-SS-257	CEF-P51-SS-257-01	HEPTACHLOR EPOXIDE	1.4	J
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	HEPTACHLOR EPOXIDE	1.75	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-001	CEF-P51-SS-001-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-002	CEF-P51-SS-002-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-004	CEF-P51-SS-004-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-005	CEF-P51-SS-005-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-102	CEF-P51-SS-102-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-105	CEF-P51-SS-105-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-107	CEF-P51-SS-107-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-109	CEF-P51-SS-109-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-110	CEF-P51-SS-110-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-116	CEF-P51-SS-116-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-120	CEF-P51-SS-120-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-122	CEF-P51-SS-122-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-124	CEF-P51-SS-124-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-139	CEF-P51-SS-139-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-183	CEF-P51-SS-183-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-184	CEF-P51-SS-184-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-185	CEF-P51-SS-185-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-186	CEF-P51-SS-186-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-187	CEF-P51-SS-187-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-189	CEF-P51-SS-189-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-196	CEF-P51-SS-196-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-206	CEF-P51-SS-206-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-207	CEF-P51-SS-207-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-208	CEF-P51-SS-208-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-230	CEF-P51-SS-230-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-232	CEF-P51-SS-232-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-258	CEF-P51-SS-258-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-264	CEF-P51-SS-264-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-265	CEF-P51-SS-265-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-266	CEF-P51-SS-266-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-268	CEF-P51-SS-268-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-272	CEF-P51-SS-272-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-284	CEF-P51-SS-284-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-287	CEF-P51-SS-287-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-288	CEF-P51-SS-288-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-289	CEF-P51-SS-289-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-291	CEF-P51-SS-291-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-295	CEF-P51-SS-295-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-298	CEF-P51-SS-298-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-300	CEF-P51-SS-300-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-301	CEF-P51-SS-301-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-302	CEF-P51-SS-302-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-303	CEF-P51-SS-303-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-308	CEF-P51-SS-308-01	HEPTACHLOR EPOXIDE	1.8	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-314	CEF-P51-SS-314-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-320	CEF-P51-SS-320-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-321	CEF-P51-SS-321-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-327	CEF-P51-SS-327-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-331	CEF-P51-SS-331-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-332	CEF-P51-SS-332-01	HEPTACHLOR EPOXIDE	1.8	U
CEF-P51-SS-113	CEF-P51-SS-113-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-114	CEF-P51-SS-114-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-143	CEF-P51-SS-143-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-147	CEF-P51-SS-147-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-239	CEF-P51-SS-239-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-240	CEF-P51-SS-240-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-242	CEF-P51-SS-242-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-255	CEF-P51-SS-255-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-263	CEF-P51-SS-263-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-273	CEF-P51-SS-273-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-275	CEF-P51-SS-275-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-277	CEF-P51-SS-277-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-278	CEF-P51-SS-278-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-279	CEF-P51-SS-279-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-286	CEF-P51-SS-286-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-290	CEF-P51-SS-290-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-293	CEF-P51-SS-293-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-296	CEF-P51-SS-296-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-307	CEF-P51-SS-307-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-309	CEF-P51-SS-309-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-317	CEF-P51-SS-317-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-322	CEF-P51-SS-322-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-325	CEF-P51-SS-325-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-328	CEF-P51-SS-328-01	HEPTACHLOR EPOXIDE	1.9	U
CEF-P51-SS-007	CEF-P51-SS-007-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-142	CEF-P51-SS-142-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-238	CEF-P51-SS-238-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-256	CEF-P51-SS-256-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-304	CEF-P51-SS-304-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-326	CEF-P51-SS-326-01	HEPTACHLOR EPOXIDE	2	U
CEF-P51-SS-210	CEF-P51-SS-210-01	HEPTACHLOR EPOXIDE	2.1	U
CEF-P51-SS-233	CEF-P51-SS-233-01	HEPTACHLOR EPOXIDE	2.1	U
CEF-P51-SS-318	CEF-P51-SS-318-01	HEPTACHLOR EPOXIDE	2.1	U
CEF-P51-SS-245	CEF-P51-SS-245-01	HEPTACHLOR EPOXIDE	2.3	U
CEF-P51-SS-006	CEF-P51-SS-006-01	HEPTACHLOR EPOXIDE	4	U
CEF-P51-SS-003	CEF-P51-SS-003-01	HEPTACHLOR EPOXIDE	4.3	U
CEF-P51-SS-267	CEF-P51-SS-267-01	HEPTACHLOR EPOXIDE	7.2	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	HEPTACHLOR EPOXIDE	7.75	U
CEF-P51-SS-101	CEF-P51-SS-101-01	HEPTACHLOR EPOXIDE	9.4	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	HEPTACHLOR EPOXIDE	9.9	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	HEPTACHLOR EPOXIDE	9.9	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	HEPTACHLOR EPOXIDE	9.9	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	HEPTACHLOR EPOXIDE	10.45	U
CEF-P51-SS-104	CEF-P51-SS-104-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-115	CEF-P51-SS-115-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-146	CEF-P51-SS-146-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-165	CEF-P51-SS-165-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-166	CEF-P51-SS-166-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-169	CEF-P51-SS-169-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-188	CEF-P51-SS-188-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-205	CEF-P51-SS-205-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-209	CEF-P51-SS-209-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-219	CEF-P51-SS-219-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-297	CEF-P51-SS-297-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-310	CEF-P51-SS-310-01	HEPTACHLOR EPOXIDE	18	U
CEF-P51-SS-123	CEF-P51-SS-123-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-145	CEF-P51-SS-145-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-167	CEF-P51-SS-167-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-197	CEF-P51-SS-197-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-199	CEF-P51-SS-199-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-200	CEF-P51-SS-200-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-225	CEF-P51-SS-225-01	HEPTACHLOR EPOXIDE	19	U
CEF-P51-SS-108	CEF-P51-SS-108-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-203	CEF-P51-SS-203-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-220	CEF-P51-SS-220-01	HEPTACHLOR EPOXIDE	20	U
CEF-P51-SS-163	CEF-P51-SS-163-01	HEPTACHLOR EPOXIDE	21	U
CEF-P51-SS-201	CEF-P51-SS-201-01	HEPTACHLOR EPOXIDE	21	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	HEPTACHLOR EPOXIDE	27	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	HEPTACHLOR EPOXIDE	95.9	U
CEF-P51-SS-005	CEF-P51-SS-005-01	MALATHION	87	U
CEF-P51-SS-002	CEF-P51-SS-002-01	MALATHION	88	U
CEF-P51-SS-004	CEF-P51-SS-004-01	MALATHION	88	U
CEF-P51-SS-001	CEF-P51-SS-001-01	MALATHION	89	U
CEF-P51-SS-006	CEF-P51-SS-006-01	MALATHION	90	U
CEF-P51-SS-003	CEF-P51-SS-003-01	MALATHION	96	U
CEF-P51-SS-007	CEF-P51-SS-007-01	MALATHION	99	U
CEF-P51-SS-005	CEF-P51-SS-005-01	MCPA	4300	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	MCPA	4400	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	MCPA	4400	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	MCPA	4400	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	MCPA	4400	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	MCPA	4700	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	MCPA	4900	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	MCPP	5500	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	MCPP	5500	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	MCPP	5500	UJ

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LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-005	CEF-P51-SS-005-01	MCPP	5500	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	MCPP	5500	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	MCPP	5900	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	MCPP	6200	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	MERPHOS	160	U
CEF-P51-SS-005	CEF-P51-SS-005-01	MERPHOS	160	U
CEF-P51-SS-001	CEF-P51-SS-001-01	MERPHOS	170	U
CEF-P51-SS-002	CEF-P51-SS-002-01	MERPHOS	170	U
CEF-P51-SS-006	CEF-P51-SS-006-01	MERPHOS	170	U
CEF-P51-SS-003	CEF-P51-SS-003-01	MERPHOS	180	U
CEF-P51-SS-007	CEF-P51-SS-007-01	MERPHOS	190	U
CEF-P51-SS-109	CEF-P51-SS-109-01	METHOXYCHLOR	7	U
CEF-P51-SS-102	CEF-P51-SS-102-01	METHOXYCHLOR	7.1	U
CEF-P51-SS-001	CEF-P51-SS-001-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	METHOXYCHLOR	18	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	METHOXYCHLOR	20	UJ
CEF-P51-SS-101	CEF-P51-SS-101-01	METHOXYCHLOR	37	U
CEF-P51-SS-006	CEF-P51-SS-006-01	METHOXYCHLOR	40	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	METHOXYCHLOR	43	UJ
CEF-P51-SS-105	CEF-P51-SS-105-01	METHOXYCHLOR	70	U
CEF-P51-SS-186	CEF-P51-SS-186-01	METHOXYCHLOR	70	U
CEF-P51-SS-208	CEF-P51-SS-208-01	METHOXYCHLOR	70	U
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	METHOXYCHLOR	70	U
CEF-P51-SS-258	CEF-P51-SS-258-01	METHOXYCHLOR	70	U
CEF-P51-SS-303	CEF-P51-SS-303-01	METHOXYCHLOR	70	U
CEF-P51-SS-321	CEF-P51-SS-321-01	METHOXYCHLOR	70	U
CEF-P51-SS-327	CEF-P51-SS-327-01	METHOXYCHLOR	70	U
CEF-P51-SS-187	CEF-P51-SS-187-01	METHOXYCHLOR	71	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	METHOXYCHLOR	71	U
CEF-P51-SS-284	CEF-P51-SS-284-01	METHOXYCHLOR	71	U
CEF-P51-SS-297	CEF-P51-SS-297-01	METHOXYCHLOR	71	U
CEF-P51-SS-298	CEF-P51-SS-298-01	METHOXYCHLOR	71	U
CEF-P51-SS-301	CEF-P51-SS-301-01	METHOXYCHLOR	71	U
CEF-P51-SS-308	CEF-P51-SS-308-01	METHOXYCHLOR	71	U
CEF-P51-SS-320	CEF-P51-SS-320-01	METHOXYCHLOR	71	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	METHOXYCHLOR	71.5	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	METHOXYCHLOR	72	U
CEF-P51-SS-104	CEF-P51-SS-104-01	METHOXYCHLOR	72	U
CEF-P51-SS-110	CEF-P51-SS-110-01	METHOXYCHLOR	72	U
CEF-P51-SS-115	CEF-P51-SS-115-01	METHOXYCHLOR	72	U
CEF-P51-SS-116	CEF-P51-SS-116-01	METHOXYCHLOR	72	U
CEF-P51-SS-122	CEF-P51-SS-122-01	METHOXYCHLOR	72	U
CEF-P51-SS-124	CEF-P51-SS-124-01	METHOXYCHLOR	72	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	METHOXYCHLOR	72	U
CEF-P51-SS-189	CEF-P51-SS-189-01	METHOXYCHLOR	72	U
CEF-P51-SS-232	CEF-P51-SS-232-01	METHOXYCHLOR	72	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-266	CEF-P51-SS-266-01	METHOXYCHLOR	72	U
CEF-P51-SS-267	CEF-P51-SS-267-01	METHOXYCHLOR	72	U
CEF-P51-SS-272	CEF-P51-SS-272-01	METHOXYCHLOR	72	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	METHOXYCHLOR	72	U
CEF-P51-SS-287	CEF-P51-SS-287-01	METHOXYCHLOR	72	U
CEF-P51-SS-300	CEF-P51-SS-300-01	METHOXYCHLOR	72	U
CEF-P51-SS-310	CEF-P51-SS-310-01	METHOXYCHLOR	72	U
CEF-P51-SS-332	CEF-P51-SS-332-01	METHOXYCHLOR	72	U
CEF-P51-SS-107	CEF-P51-SS-107-01	METHOXYCHLOR	73	U
CEF-P51-SS-139	CEF-P51-SS-139-01	METHOXYCHLOR	73	U
CEF-P51-SS-169	CEF-P51-SS-169-01	METHOXYCHLOR	73	U
CEF-P51-SS-230	CEF-P51-SS-230-01	METHOXYCHLOR	73	U
CEF-P51-SS-265	CEF-P51-SS-265-01	METHOXYCHLOR	73	U
CEF-P51-SS-268	CEF-P51-SS-268-01	METHOXYCHLOR	73	U
CEF-P51-SS-288	CEF-P51-SS-288-01	METHOXYCHLOR	73	U
CEF-P51-SS-289	CEF-P51-SS-289-01	METHOXYCHLOR	73	U
CEF-P51-SS-314	CEF-P51-SS-314-01	METHOXYCHLOR	73	U
CEF-P51-SS-331	CEF-P51-SS-331-01	METHOXYCHLOR	73	U
CEF-P51-SS-120	CEF-P51-SS-120-01	METHOXYCHLOR	74	U
CEF-P51-SS-196	CEF-P51-SS-196-01	METHOXYCHLOR	74	U
CEF-P51-SS-206	CEF-P51-SS-206-01	METHOXYCHLOR	74	U
CEF-P51-SS-207	CEF-P51-SS-207-01	METHOXYCHLOR	74	U
CEF-P51-SS-209	CEF-P51-SS-209-01	METHOXYCHLOR	74	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	METHOXYCHLOR	74	U
CEF-P51-SS-264	CEF-P51-SS-264-01	METHOXYCHLOR	74	U
CEF-P51-SS-291	CEF-P51-SS-291-01	METHOXYCHLOR	74	U
CEF-P51-SS-295	CEF-P51-SS-295-01	METHOXYCHLOR	74	U
CEF-P51-SS-302	CEF-P51-SS-302-01	METHOXYCHLOR	74	U
CEF-P51-SS-317	CEF-P51-SS-317-01	METHOXYCHLOR	74	U
CEF-P51-SS-114	CEF-P51-SS-114-01	METHOXYCHLOR	75	U
CEF-P51-SS-123	CEF-P51-SS-123-01	METHOXYCHLOR	75	U
CEF-P51-SS-143	CEF-P51-SS-143-01	METHOXYCHLOR	75	U
CEF-P51-SS-239	CEF-P51-SS-239-01	METHOXYCHLOR	75	U
CEF-P51-SS-242	CEF-P51-SS-242-01	METHOXYCHLOR	75	U
CEF-P51-SS-255	CEF-P51-SS-255-01	METHOXYCHLOR	75	U
CEF-P51-SS-263	CEF-P51-SS-263-01	METHOXYCHLOR	75	U
CEF-P51-SS-275	CEF-P51-SS-275-01	METHOXYCHLOR	75	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	METHOXYCHLOR	75	U
CEF-P51-SS-279	CEF-P51-SS-279-01	METHOXYCHLOR	75	U
CEF-P51-SS-286	CEF-P51-SS-286-01	METHOXYCHLOR	75	U
CEF-P51-SS-290	CEF-P51-SS-290-01	METHOXYCHLOR	75	U
CEF-P51-SS-322	CEF-P51-SS-322-01	METHOXYCHLOR	75	U
CEF-P51-SS-325	CEF-P51-SS-325-01	METHOXYCHLOR	75	U
CEF-P51-SS-328	CEF-P51-SS-328-01	METHOXYCHLOR	75	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	METHOXYCHLOR	75.5	U
CEF-P51-SS-113	CEF-P51-SS-113-01	METHOXYCHLOR	76	U
CEF-P51-SS-277	CEF-P51-SS-277-01	METHOXYCHLOR	76	U
CEF-P51-SS-296	CEF-P51-SS-296-01	METHOXYCHLOR	76	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-307	CEF-P51-SS-307-01	METHOXYCHLOR	76	U
CEF-P51-SS-309	CEF-P51-SS-309-01	METHOXYCHLOR	76	U
CEF-P51-SS-147	CEF-P51-SS-147-01	METHOXYCHLOR	77	U
CEF-P51-SS-240	CEF-P51-SS-240-01	METHOXYCHLOR	77	U
CEF-P51-SS-273	CEF-P51-SS-273-01	METHOXYCHLOR	77	U
CEF-P51-SS-293	CEF-P51-SS-293-01	METHOXYCHLOR	77	U
CEF-P51-SS-108	CEF-P51-SS-108-01	METHOXYCHLOR	78	U
CEF-P51-SS-238	CEF-P51-SS-238-01	METHOXYCHLOR	78	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	METHOXYCHLOR	78	U
CEF-P51-SS-257	CEF-P51-SS-257-01	METHOXYCHLOR	78	U
CEF-P51-SS-278	CEF-P51-SS-278-01	METHOXYCHLOR	78	U
CEF-P51-SS-304	CEF-P51-SS-304-01	METHOXYCHLOR	78	U
CEF-P51-SS-142	CEF-P51-SS-142-01	METHOXYCHLOR	79	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	METHOXYCHLOR	79	U
CEF-P51-SS-256	CEF-P51-SS-256-01	METHOXYCHLOR	81	U
CEF-P51-SS-326	CEF-P51-SS-326-01	METHOXYCHLOR	81	U
CEF-P51-SS-318	CEF-P51-SS-318-01	METHOXYCHLOR	84	U
CEF-P51-SS-233	CEF-P51-SS-233-01	METHOXYCHLOR	85	U
CEF-P51-SS-210	CEF-P51-SS-210-01	METHOXYCHLOR	86	U
CEF-P51-SS-245	CEF-P51-SS-245-01	METHOXYCHLOR	90	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	METHOXYCHLOR	105.5	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	METHOXYCHLOR	210.5	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	METHOXYCHLOR	228	U
CEF-P51-SS-183	CEF-P51-SS-183-01	METHOXYCHLOR	350	U
CEF-P51-SS-166	CEF-P51-SS-166-01	METHOXYCHLOR	360	U
CEF-P51-SS-184	CEF-P51-SS-184-01	METHOXYCHLOR	360	U
CEF-P51-SS-185	CEF-P51-SS-185-01	METHOXYCHLOR	360	U
CEF-P51-SS-219	CEF-P51-SS-219-01	METHOXYCHLOR	360	U
CEF-P51-SS-146	CEF-P51-SS-146-01	METHOXYCHLOR	370	U
CEF-P51-SS-165	CEF-P51-SS-165-01	METHOXYCHLOR	370	U
CEF-P51-SS-167	CEF-P51-SS-167-01	METHOXYCHLOR	370	U
CEF-P51-SS-188	CEF-P51-SS-188-01	METHOXYCHLOR	370	U
CEF-P51-SS-199	CEF-P51-SS-199-01	METHOXYCHLOR	370	U
CEF-P51-SS-205	CEF-P51-SS-205-01	METHOXYCHLOR	370	U
CEF-P51-SS-145	CEF-P51-SS-145-01	METHOXYCHLOR	380	U
CEF-P51-SS-197	CEF-P51-SS-197-01	METHOXYCHLOR	380	U
CEF-P51-SS-225	CEF-P51-SS-225-01	METHOXYCHLOR	380	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	METHOXYCHLOR	385	U
CEF-P51-SS-200	CEF-P51-SS-200-01	METHOXYCHLOR	390	U
CEF-P51-SS-203	CEF-P51-SS-203-01	METHOXYCHLOR	390	U
CEF-P51-SS-220	CEF-P51-SS-220-01	METHOXYCHLOR	390	U
CEF-P51-SS-163	CEF-P51-SS-163-01	METHOXYCHLOR	410	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	METHOXYCHLOR	411.5	U
CEF-P51-SS-201	CEF-P51-SS-201-01	METHOXYCHLOR	430	U
CEF-P51-SS-001	CEF-P51-SS-001-01	METHYL PARATHION	20	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	METHYL PARATHION	20	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	METHYL PARATHION	20	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	METHYL PARATHION	20	UJ

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-006	CEF-P51-SS-006-01	METHYL PARATHION	20	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	METHYL PARATHION	22	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	METHYL PARATHION	22	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	MEVINPHOS	160	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	MEVINPHOS	160	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	MEVINPHOS	170	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	MEVINPHOS	170	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	MEVINPHOS	170	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	MEVINPHOS	180	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	MEVINPHOS	190	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	NALED	320	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	NALED	330	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	NALED	330	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	NALED	330	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	NALED	340	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	NALED	360	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	NALED	370	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	PENTACHLOROPHENOL	11	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	PENTACHLOROPHENOL	12	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	PENTACHLOROPHENOL	12	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	PHORATE	120	U
CEF-P51-SS-002	CEF-P51-SS-002-01	PHORATE	120	U
CEF-P51-SS-004	CEF-P51-SS-004-01	PHORATE	120	U
CEF-P51-SS-005	CEF-P51-SS-005-01	PHORATE	120	U
CEF-P51-SS-006	CEF-P51-SS-006-01	PHORATE	120	U
CEF-P51-SS-003	CEF-P51-SS-003-01	PHORATE	130	U
CEF-P51-SS-007	CEF-P51-SS-007-01	PHORATE	140	U
CEF-P51-SS-001	CEF-P51-SS-001-01	RONNEL	120	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	RONNEL	120	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	RONNEL	120	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	RONNEL	120	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	RONNEL	120	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	RONNEL	130	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	RONNEL	140	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	STIROFOS	620	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	STIROFOS	620	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	STIROFOS	630	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	STIROFOS	630	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	STIROFOS	640	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	STIROFOS	680	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	STIROFOS	710	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	SULFOTEPP	79	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	SULFOTEPP	80	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	SULFOTEPP	81	UJ

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-002	CEF-P51-SS-002-01	SULFOTEPP	81	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	SULFOTEPP	82	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	SULFOTEPP	88	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	SULFOTEPP	91	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	TEPP	540	UJ
CEF-P51-SS-002	CEF-P51-SS-002-01	TEPP	550	UJ
CEF-P51-SS-004	CEF-P51-SS-004-01	TEPP	550	UJ
CEF-P51-SS-001	CEF-P51-SS-001-01	TEPP	560	UJ
CEF-P51-SS-006	CEF-P51-SS-006-01	TEPP	560	UJ
CEF-P51-SS-003	CEF-P51-SS-003-01	TEPP	600	UJ
CEF-P51-SS-007	CEF-P51-SS-007-01	TEPP	620	UJ
CEF-P51-SS-005	CEF-P51-SS-005-01	TOKUTHION	170	U
CEF-P51-SS-001	CEF-P51-SS-001-01	TOKUTHION	180	U
CEF-P51-SS-002	CEF-P51-SS-002-01	TOKUTHION	180	U
CEF-P51-SS-004	CEF-P51-SS-004-01	TOKUTHION	180	U
CEF-P51-SS-006	CEF-P51-SS-006-01	TOKUTHION	180	U
CEF-P51-SS-003	CEF-P51-SS-003-01	TOKUTHION	190	U
CEF-P51-SS-007	CEF-P51-SS-007-01	TOKUTHION	200	U
CEF-P51-SS-287	CEF-P51-SS-287-01	TOTAL PESTICIDES	1.2	
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	TOTAL PESTICIDES	3.1	
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	TOTAL PESTICIDES	3.5	
CEF-P51-SS-258	CEF-P51-SS-258-01	TOTAL PESTICIDES	4	
CEF-P51-SS-286	CEF-P51-SS-286-01	TOTAL PESTICIDES	6.3	
CEF-P51-SS-105	CEF-P51-SS-105-01	TOTAL PESTICIDES	7.4	
CEF-P51-SS-147	CEF-P51-SS-147-01	TOTAL PESTICIDES	7.9	
CEF-P51-SS-002	CEF-P51-SS-002-01	TOTAL PESTICIDES	8.9	
CEF-P51-SS-257	CEF-P51-SS-257-01	TOTAL PESTICIDES	9.76	
CEF-P51-SS-284	CEF-P51-SS-284-01	TOTAL PESTICIDES	10.1	
CEF-P51-SS-116	CEF-P51-SS-116-01	TOTAL PESTICIDES	14	
CEF-P51-SS-124	CEF-P51-SS-124-01	TOTAL PESTICIDES	18.2	
CEF-P51-SS-219	CEF-P51-SS-219-01	TOTAL PESTICIDES	22.3	
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	TOTAL PESTICIDES	25.55	
CEF-P51-SS-006	CEF-P51-SS-006-01	TOTAL PESTICIDES	26.2	
CEF-P51-SS-001	CEF-P51-SS-001-01	TOTAL PESTICIDES	26.3	
CEF-P51-SS-233	CEF-P51-SS-233-01	TOTAL PESTICIDES	30.8	
CEF-P51-SS-240	CEF-P51-SS-240-01	TOTAL PESTICIDES	61	
CEF-P51-SS-101	CEF-P51-SS-101-01	TOTAL PESTICIDES	90	
CEF-P51-SS-302	CEF-P51-SS-302-01	TOTAL PESTICIDES	98.4	
CEF-P51-SS-310	CEF-P51-SS-310-01	TOTAL PESTICIDES	137	
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	TOTAL PESTICIDES	604.75	
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	TOTAL PESTICIDES	883.55	
CEF-P51-SS-254	CEF-P51-SS-254-01-AVG	TOXAPHENE	175	U
CEF-P51-SS-001	CEF-P51-SS-001-01	TOXAPHENE	180	U
CEF-P51-SS-002	CEF-P51-SS-002-01	TOXAPHENE	180	U
CEF-P51-SS-004	CEF-P51-SS-004-01	TOXAPHENE	180	U
CEF-P51-SS-005	CEF-P51-SS-005-01	TOXAPHENE	180	U
CEF-P51-SS-102	CEF-P51-SS-102-01	TOXAPHENE	180	U
CEF-P51-SS-105	CEF-P51-SS-105-01	TOXAPHENE	180	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-107	CEF-P51-SS-107-01	TOXAPHENE	180	U
CEF-P51-SS-109	CEF-P51-SS-109-01	TOXAPHENE	180	U
CEF-P51-SS-110	CEF-P51-SS-110-01	TOXAPHENE	180	U
CEF-P51-SS-111	CEF-P51-SS-111-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-116	CEF-P51-SS-116-01	TOXAPHENE	180	U
CEF-P51-SS-120	CEF-P51-SS-120-01	TOXAPHENE	180	U
CEF-P51-SS-122	CEF-P51-SS-122-01	TOXAPHENE	180	U
CEF-P51-SS-124	CEF-P51-SS-124-01	TOXAPHENE	180	U
CEF-P51-SS-139	CEF-P51-SS-139-01	TOXAPHENE	180	U
CEF-P51-SS-141	CEF-P51-SS-141-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-183	CEF-P51-SS-183-01	TOXAPHENE	180	U
CEF-P51-SS-184	CEF-P51-SS-184-01	TOXAPHENE	180	U
CEF-P51-SS-185	CEF-P51-SS-185-01	TOXAPHENE	180	U
CEF-P51-SS-186	CEF-P51-SS-186-01	TOXAPHENE	180	U
CEF-P51-SS-187	CEF-P51-SS-187-01	TOXAPHENE	180	U
CEF-P51-SS-189	CEF-P51-SS-189-01	TOXAPHENE	180	U
CEF-P51-SS-196	CEF-P51-SS-196-01	TOXAPHENE	180	U
CEF-P51-SS-206	CEF-P51-SS-206-01	TOXAPHENE	180	U
CEF-P51-SS-207	CEF-P51-SS-207-01	TOXAPHENE	180	U
CEF-P51-SS-208	CEF-P51-SS-208-01	TOXAPHENE	180	U
CEF-P51-SS-230	CEF-P51-SS-230-01	TOXAPHENE	180	U
CEF-P51-SS-231	CEF-P51-SS-231-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-232	CEF-P51-SS-232-01	TOXAPHENE	180	U
CEF-P51-SS-258	CEF-P51-SS-258-01	TOXAPHENE	180	U
CEF-P51-SS-264	CEF-P51-SS-264-01	TOXAPHENE	180	U
CEF-P51-SS-265	CEF-P51-SS-265-01	TOXAPHENE	180	U
CEF-P51-SS-266	CEF-P51-SS-266-01	TOXAPHENE	180	U
CEF-P51-SS-268	CEF-P51-SS-268-01	TOXAPHENE	180	U
CEF-P51-SS-272	CEF-P51-SS-272-01	TOXAPHENE	180	U
CEF-P51-SS-274	CEF-P51-SS-274-01-AVG	TOXAPHENE	180	U
CEF-P51-SS-284	CEF-P51-SS-284-01	TOXAPHENE	180	U
CEF-P51-SS-287	CEF-P51-SS-287-01	TOXAPHENE	180	U
CEF-P51-SS-288	CEF-P51-SS-288-01	TOXAPHENE	180	U
CEF-P51-SS-289	CEF-P51-SS-289-01	TOXAPHENE	180	U
CEF-P51-SS-291	CEF-P51-SS-291-01	TOXAPHENE	180	U
CEF-P51-SS-295	CEF-P51-SS-295-01	TOXAPHENE	180	U
CEF-P51-SS-298	CEF-P51-SS-298-01	TOXAPHENE	180	U
CEF-P51-SS-300	CEF-P51-SS-300-01	TOXAPHENE	180	U
CEF-P51-SS-301	CEF-P51-SS-301-01	TOXAPHENE	180	U
CEF-P51-SS-302	CEF-P51-SS-302-01	TOXAPHENE	180	U
CEF-P51-SS-303	CEF-P51-SS-303-01	TOXAPHENE	180	U
CEF-P51-SS-308	CEF-P51-SS-308-01	TOXAPHENE	180	U
CEF-P51-SS-314	CEF-P51-SS-314-01	TOXAPHENE	180	U
CEF-P51-SS-320	CEF-P51-SS-320-01	TOXAPHENE	180	U
CEF-P51-SS-321	CEF-P51-SS-321-01	TOXAPHENE	180	U
CEF-P51-SS-327	CEF-P51-SS-327-01	TOXAPHENE	180	U
CEF-P51-SS-331	CEF-P51-SS-331-01	TOXAPHENE	180	U
CEF-P51-SS-332	CEF-P51-SS-332-01	TOXAPHENE	180	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-113	CEF-P51-SS-113-01	TOXAPHENE	190	U
CEF-P51-SS-114	CEF-P51-SS-114-01	TOXAPHENE	190	U
CEF-P51-SS-121	CEF-P51-SS-121-01-AVG	TOXAPHENE	190	U
CEF-P51-SS-143	CEF-P51-SS-143-01	TOXAPHENE	190	U
CEF-P51-SS-147	CEF-P51-SS-147-01	TOXAPHENE	190	U
CEF-P51-SS-239	CEF-P51-SS-239-01	TOXAPHENE	190	U
CEF-P51-SS-240	CEF-P51-SS-240-01	TOXAPHENE	190	U
CEF-P51-SS-242	CEF-P51-SS-242-01	TOXAPHENE	190	U
CEF-P51-SS-255	CEF-P51-SS-255-01	TOXAPHENE	190	U
CEF-P51-SS-257	CEF-P51-SS-257-01	TOXAPHENE	190	U
CEF-P51-SS-263	CEF-P51-SS-263-01	TOXAPHENE	190	U
CEF-P51-SS-273	CEF-P51-SS-273-01	TOXAPHENE	190	U
CEF-P51-SS-275	CEF-P51-SS-275-01	TOXAPHENE	190	U
CEF-P51-SS-276	CEF-P51-SS-276-01-AVG	TOXAPHENE	190	U
CEF-P51-SS-277	CEF-P51-SS-277-01	TOXAPHENE	190	U
CEF-P51-SS-278	CEF-P51-SS-278-01	TOXAPHENE	190	U
CEF-P51-SS-279	CEF-P51-SS-279-01	TOXAPHENE	190	U
CEF-P51-SS-286	CEF-P51-SS-286-01	TOXAPHENE	190	U
CEF-P51-SS-290	CEF-P51-SS-290-01	TOXAPHENE	190	U
CEF-P51-SS-293	CEF-P51-SS-293-01	TOXAPHENE	190	U
CEF-P51-SS-296	CEF-P51-SS-296-01	TOXAPHENE	190	U
CEF-P51-SS-307	CEF-P51-SS-307-01	TOXAPHENE	190	U
CEF-P51-SS-309	CEF-P51-SS-309-01	TOXAPHENE	190	U
CEF-P51-SS-317	CEF-P51-SS-317-01	TOXAPHENE	190	U
CEF-P51-SS-322	CEF-P51-SS-322-01	TOXAPHENE	190	U
CEF-P51-SS-325	CEF-P51-SS-325-01	TOXAPHENE	190	U
CEF-P51-SS-328	CEF-P51-SS-328-01	TOXAPHENE	190	U
CEF-P51-SS-007	CEF-P51-SS-007-01	TOXAPHENE	200	U
CEF-P51-SS-142	CEF-P51-SS-142-01	TOXAPHENE	200	U
CEF-P51-SS-238	CEF-P51-SS-238-01	TOXAPHENE	200	U
CEF-P51-SS-256	CEF-P51-SS-256-01	TOXAPHENE	200	U
CEF-P51-SS-304	CEF-P51-SS-304-01	TOXAPHENE	200	U
CEF-P51-SS-313	CEF-P51-SS-313-01-AVG	TOXAPHENE	200	U
CEF-P51-SS-326	CEF-P51-SS-326-01	TOXAPHENE	200	U
CEF-P51-SS-210	CEF-P51-SS-210-01	TOXAPHENE	210	U
CEF-P51-SS-233	CEF-P51-SS-233-01	TOXAPHENE	210	U
CEF-P51-SS-318	CEF-P51-SS-318-01	TOXAPHENE	210	U
CEF-P51-SS-245	CEF-P51-SS-245-01	TOXAPHENE	230	U
CEF-P51-SS-006	CEF-P51-SS-006-01	TOXAPHENE	400	U
CEF-P51-SS-003	CEF-P51-SS-003-01	TOXAPHENE	430	U
CEF-P51-SS-267	CEF-P51-SS-267-01	TOXAPHENE	720	U
CEF-P51-SS-241	CEF-P51-SS-241-01-AVG	TOXAPHENE	775	U
CEF-P51-SS-101	CEF-P51-SS-101-01	TOXAPHENE	940	U
CEF-P51-SS-103	CEF-P51-SS-103-01-AVG	TOXAPHENE	990	U
CEF-P51-SS-164	CEF-P51-SS-164-01-AVG	TOXAPHENE	990	U
CEF-P51-SS-211	CEF-P51-SS-211-01-AVG	TOXAPHENE	990	U
CEF-P51-SS-191	CEF-P51-SS-191-01-AVG	TOXAPHENE	1045	U
CEF-P51-SS-104	CEF-P51-SS-104-01	TOXAPHENE	1800	U

WOODS SAMPLES

LOCATION	SAMPLE ID	PARAMETER	NUMERIC RESULT	QUALIFIER
CEF-P51-SS-115	CEF-P51-SS-115-01	TOXAPHENE	1800	U
CEF-P51-SS-146	CEF-P51-SS-146-01	TOXAPHENE	1800	U
CEF-P51-SS-165	CEF-P51-SS-165-01	TOXAPHENE	1800	U
CEF-P51-SS-166	CEF-P51-SS-166-01	TOXAPHENE	1800	U
CEF-P51-SS-169	CEF-P51-SS-169-01	TOXAPHENE	1800	U
CEF-P51-SS-188	CEF-P51-SS-188-01	TOXAPHENE	1800	U
CEF-P51-SS-205	CEF-P51-SS-205-01	TOXAPHENE	1800	U
CEF-P51-SS-209	CEF-P51-SS-209-01	TOXAPHENE	1800	U
CEF-P51-SS-219	CEF-P51-SS-219-01	TOXAPHENE	1800	U
CEF-P51-SS-297	CEF-P51-SS-297-01	TOXAPHENE	1800	U
CEF-P51-SS-310	CEF-P51-SS-310-01	TOXAPHENE	1800	U
CEF-P51-SS-123	CEF-P51-SS-123-01	TOXAPHENE	1900	U
CEF-P51-SS-145	CEF-P51-SS-145-01	TOXAPHENE	1900	U
CEF-P51-SS-167	CEF-P51-SS-167-01	TOXAPHENE	1900	U
CEF-P51-SS-197	CEF-P51-SS-197-01	TOXAPHENE	1900	U
CEF-P51-SS-199	CEF-P51-SS-199-01	TOXAPHENE	1900	U
CEF-P51-SS-200	CEF-P51-SS-200-01	TOXAPHENE	1900	U
CEF-P51-SS-221	CEF-P51-SS-221-01-AVG	TOXAPHENE	1900	U
CEF-P51-SS-225	CEF-P51-SS-225-01	TOXAPHENE	1900	U
CEF-P51-SS-108	CEF-P51-SS-108-01	TOXAPHENE	2000	U
CEF-P51-SS-203	CEF-P51-SS-203-01	TOXAPHENE	2000	U
CEF-P51-SS-220	CEF-P51-SS-220-01	TOXAPHENE	2000	U
CEF-P51-SS-163	CEF-P51-SS-163-01	TOXAPHENE	2100	U
CEF-P51-SS-201	CEF-P51-SS-201-01	TOXAPHENE	2100	U
CEF-P51-SS-292	CEF-P51-SS-292-01-AVG	TOXAPHENE	2700	U
CEF-P51-SS-106	CEF-P51-SS-106-01-AVG	TOXAPHENE	9590	U
CEF-P51-SS-001	CEF-P51-SS-001-01	TRICHLORONATE	100	U
CEF-P51-SS-002	CEF-P51-SS-002-01	TRICHLORONATE	100	U
CEF-P51-SS-004	CEF-P51-SS-004-01	TRICHLORONATE	100	U
CEF-P51-SS-005	CEF-P51-SS-005-01	TRICHLORONATE	100	U
CEF-P51-SS-003	CEF-P51-SS-003-01	TRICHLORONATE	110	U
CEF-P51-SS-006	CEF-P51-SS-006-01	TRICHLORONATE	110	U
CEF-P51-SS-007	CEF-P51-SS-007-01	TRICHLORONATE	120	U