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DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 27th FIGHTER WING (ACC)
CANNON AIR FORCE BASE, NEW MEXICO

16 SEP 1997

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Lt Col Charles A. Hale
Deputy Commander, 27th Support Group
110 E Sextant Ave Suite 1098
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Mr. Benito J. Garcia, Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo
PO Box 26110
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ENTERED

Dear Mr. Garcia

As Deputy Commander for the 27th Support Group, I am forwarding this letter on behalf of Lt Col James A. Thomas III, Support Group Commander.

Enclosed for your review and approval is the Cannon AFB Phase II Resource Conservation and Recovery Act Facility Investigation Report (RFI) for Fire Training Area 4, Solid Waste Management Units 109, 110, 111, and 112. This report is provided to the New Mexico Environment Department in compliance with the Cannon AFB RCRA Part B Permit, Oct 89.

Questions regarding these documents and the Cannon AFB restoration program may be directed to Mr. John S. Pike or Mr. Sanford D. Hutsell, of my Civil Engineer Environmental Flight, at (505) 784-4348. I look forward to the continued cooperation between our organizations in addressing the environmental restoration concerns of Cannon AFB.

Sincerely

SEP 1997
RECEIVED

CHARLES A. HALE, Lt Col, USAF
Deputy Commander, 27th Support Group

Attachment:
Phase II RFI Report

cc:
EPA (B. Sturdivant)
NMED (C. Will) Hazardous and Radioactive Waste Bureau w/o Attachment
HQ ACC CES/ESVW (M. Patterson) w/o Attachment

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PHASE II RCRA FACILITY INVESTIGATION REPORT

Fire Training Area No. 4
SWMU Nos. 109, 110, 111, 112
Cannon Air Force Base
Clovis, New Mexico

DRAFT

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
Omaha District

August 1997

NEW BACKGROUND #3 (1997)

TABLE 6-3

BACKGROUND CONCENTRATION COMPARISON FOR METALS

Chemical	New Data Set UTL for Surface Soil[a]	New Data Set UTL for Subsurface Soil[b]	W-C 1994(b) Total Soil UTL[c]	Clovis, NM Values[d]
Aluminum	8,950	12,214	10,796	50,000
Antimony	3.15	16	29.6	<1
Arsenic	3.6	4.3	10.5	6.5
Barium	670	890	548	500
Beryllium	0.78	0.73	0.6	1 to 2
Cadmium	0.435	1.3	2.1	----
Calcium	44,800	237,498	166,119	7,900 to 18,000
Chromium	10.5	13.3	12	30
Cobalt	6.6	4.7	4	3 to 7
Copper	18.3	8.3	10.1	20
Iron	10,100	13,148	8,654	100 to 15,000
Lead	12	8.7	18.4	15
Magnesium	1,930	19,300	9,912	2,000 to 5,000
Manganese	307	333	151.8	500
Mercury	0.056	0.019	0.2	0.032 to 0.082
Nickel	11	14.9	9.7	15
Potassium	2691	2,512	2,531	16,000
Selenium	0.26	1.1	36.8	0.15 to 0.30
Silver	0.4	2.65	1.8	----
Sodium	102	1,227	834	7,000
Thallium	0.6	2.65	6.2	----
Vanadium	23.3	32.8	25	30 to 70
Zinc	32.2	30.6	20.7	45

All concentrations are in mg/kg.

[a] See Table 5-1 for surface soil UTL calculations.

[b] See Table 5-4 for subsurface soil UTL calculations.

[c] Concentrations of Selected Naturally Occurring Chemical Constituents in Soil and Groundwater at Cannon Air Force Base, Clovis, New Mexico (W-C 1994b). It should be noted that the UTLs calculated for this study were for total (i.e., combined surface and subsurface soil).

[d] Concentrations are from USGS 1984 data for samples collected in the vicinity of Clovis, NM. Some of the analytical test methods are no longer used (i.e., EDTA for calcium, colorimetric for zinc, X-ray fluorescence spectrometry for calcium, iron, potassium). Caution should be used when interpreting these data.

---- No concentration given for this element.

OLD BACKGROUND #5 1994

TABLE 2-6

STATISTICAL SUMMARY OF BACKGROUND ELEMENTAL CONCENTRATIONS (1) FROM SURFACE AND SUBSURFACE SOIL SAMPLES COLLECTED BY WCC, RADIAN CORPORATION, AND WALK, HAYDEL, AND ASSOCIATES CANNON AFB, NEW MEXICO

ELEMENT	Statistical Information												
	Number of Samples	Estimated Values		Non-Detect Values		Mean (2)	Standard Deviation	Estimated Range (3)			Levels Observed In The Vicinity of Clovis, NM (4)		
		Number	Percent	Number	Percent								
Aluminum	45	0	0%	0	0%	5694	2551	593	to	10796		50000	
Antimony	45	1	2%	42	93%	6.2	11.7	0	to	29.6		<1	
Arsenic	49	27	55%	2	4%	1.9	4.3	0	to	10.5		6.5	
Barium	49	9	18%	0	0%	123	213	0	to	548		500	
Beryllium	45	8	18%	14	31%	0.2	0.2	0	to	0.6	1	to	2
Cadmium	49	0	0%	32	65%	0.5	0.8	0	to	2.1		— (5)	
Calcium	45	16	36%	0	0%	46891	59614	0	to	166119	7900	to	18000
Chromium	49	0	0%	0	0%	6.4	2.8	0.8	to	12.0		30	
Cobalt	45	16	36%	3	7%	1.3	1.3	0	to	4.0	3	to	7
Copper	45	5	11%	21	47%	2.9	3.6	0	to	10.1		20	
Iron	45	6	13%	0	0%	3953	2351	0	to	8654	100	to	15000
Lead	49	26	53%	0	0%	3.9	7.3	0	to	18.4		15	
Magnesium	45	17	38%	0	0%	3100	3406	0	to	9912	2000	to	5000
Manganese	45	2	4%	0	0%	60.4	45.7	0	to	151.8		500	
Mercury	49	0	0%	37	76%	0.1	0.1	0	to	0.2	0.032	to	0.082
Nickel	45	23	51%	0	0%	3.1	3.3	0	to	9.7		15	
Potassium	45	6	13%	0	0%	1061	735	0	to	2531		16000	
Selenium	49	0	0%	33	67%	3.7	16.5	0	to	36.8	0.15	to	0.30
Silver	49	2	4%	47	96%	0.5	0.6	0	to	1.8		— (5)	
Sodium	45	8	18%	25	56%	234	300	0	to	834		7000	
Thallium	45	1	2%	43	96%	1.2	2.5	0	to	6.2		— (5)	
Vanadium	45	1	2%	0	0%	13.3	5.8	1.7	to	25.0	30	to	70
Zinc	45	0	0%	18	40%	7.7	6.5	0	to	20.7		45	

1 - All concentrations are in milligrams per kilogram (mg/kg).

2 - The mean values were calculated from a set of values which may have included reporting limits for non-detect results. The actual mean background concentrations may be less than these values.

3 - The estimated range (i.e., the 95% tolerance limits of background concentrations) was calculated as (+) or (-) two standard deviations from the mean (but not less than zero).

4 - Concentrations are provided from USGS 1984 data for samples collected in the vicinity of Clovis, NM. Some of the analytical test methods are no longer used (i.e., EDTA for calcium, colorimetric for zinc, flame photometry for potassium, X-ray fluorescence spectrometry for calcium, iron, potassium, selenium, silver). Caution should be used when interpreting these data.
are the concentration detected in the one sample.

5 - No concentration value given for this element.

PHASE II RCRA FACILITY INVESTIGATION REPORT (DRAFT)

FIRE TRAINING AREA No. 4
SWMU Nos. 109, 110, 111, 112
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

USACE CONTRACT No. DACW45-94-D-0044
DELIVERY ORDER No. 0006

August 29, 1997

TABLE OF CONTENTS

LIST OF TABLES iv
LIST OF FIGURES vi
LIST OF APPENDICES vii
TABLE OF ACRONYMS viii

1.0 EXECUTIVE SUMMARY 1-1
1.1 OBJECTIVES 1-1
1.2 SCOPE 1-1
1.3 INVESTIGATION FINDINGS 1-1
1.3.1 Nature and Extent of Contamination 1-1
1.3.2 Human Health Evaluation 1-4
1.3.3 Ecological Risk Assessment 1-4
1.4 RECOMMENDATIONS 1-4

2.0 INTRODUCTION 2-1
2.1 PURPOSE AND SCOPE OF REPORT 2-1
2.2 INVESTIGATION OBJECTIVES 2-1
2.3 REPORT ORGANIZATION 2-1
2.4 PREVIOUS INVESTIGATIONS 2-2

3.0 PHYSICAL SETTING 3-1
3.1 FACILITY DESCRIPTION 3-1
3.2 PHYSICAL GEOGRAPHY 3-1
3.3 LAND USE AND DEMOGRAPHY 3-1
3.4 CLIMATOLOGY 3-2
3.5 GEOLOGY 3-3
3.6 HYDROGEOLOGY 3-5
3.7 SURFACE WATER HYDROLOGY 3-6
3.8 SOILS 3-7
3.9 ECOLOGY 3-7

4.0 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS 4-1
4.1 CHEMICAL SPECIFIC ARARS 4-1
4.2 LOCATION-SPECIFIC ARARS 4-1
4.3 TO BE CONSIDERED MATERIALS 4-1

5.0 INVESTIGATION RESULTS 5-1
5.1 SITE DESCRIPTION 5-1
5.2 SOILS 5-2
5.3 STRATIGRAPHY 5-2
5.4 NATURE AND EXTENT OF CONTAMINATION 5-3
5.4.1 Soil Gas 5-4

5.4.2 Surface and Subsurface Soil 5-6
5.4.2.1 Volatile Organic Compounds 5-9
5.4.2.2 Semi-Volatile Organic Compounds 5-10
5.4.2.3 Cyanide 5-10
5.4.2.4 Total Recoverable Petroleum Hydrocarbons 5-10
5.4.2.5 Target Analyte List Metals 5-11
5.5 SUMMARY OF THE PSGS AND ANALYTICAL RESULTS 5-12

6.0 CONTAMINANT FATE AND TRANSPORT 6-1
6.1 POTENTIAL CONTAMINANT TRANSPORT MECHANISMS 6-1
6.1.1 Volatilization and Wind Transport 6-1
6.1.2 Runoff, Infiltration, and Surface Water 6-2
6.1.3 Groundwater Flow 6-2
6.2 PHYSICAL AND CHEMICAL PROPERTIES 6-3
6.2.1 Volatilization 6-3
6.2.2 Aqueous Solubility 6-3
6.2.3 Adsorption 6-4
6.2.4 Biodegradation 6-4

7.0 HUMAN HEALTH EVALUATION 7-1
7.1 INTRODUCTION 7-1
7.2 CHEMICALS OF POTENTIAL CONCERN 7-1
7.2.1 Data Evaluation and Treatment 7-1
7.2.2 Identification of Chemicals of Potential Concern 7-2
7.3 EXPOSURE ASSESSMENT 7-3
7.3.1 Characterization of Exposure Setting 7-3
7.3.2 Identification of Potential Exposure Pathways 7-4
7.4 TOXICITY ASSESSMENT 7-6
7.4.1 Dose-Response Evaluation 7-6
7.4.2 Health Effects Criteria and Assessment, Carcinogens 7-7
7.4.3 Health Effects Criteria and Assessment, Noncarcinogens 7-8
7.5 RISK CHARACTERIZATION 7-9
7.5.1 Estimation of Exposure Point Concentrations 7-9
7.5.2 Estimation of Average Daily Intake 7-10
7.5.3 Risk Characterization 7-11
7.5.4 Uncertainty in the Risk Assessment 7-13

8.0 ENVIRONMENTAL ASSESSMENT 8-1
8.1 ECOLOGICAL SETTING 8-1
8.2 CHEMICALS OF ECOLOGICAL CONCERN 8-2
8.3 IDENTIFICATION OF POTENTIAL RECEPTORS 8-3
8.4 EXPOSURE AND EFFECTS CHARACTERIZATION 8-4
8.4.1 Exposure Evaluation 8-4
8.4.2 Effects Evaluation 8-5

8.5 RISK AND UNCERTAINTY CHARACTERIZATION 8-5

9.0 CONCLUSIONS AND RECOMMENDATIONS 9-1
9.1 NATURE AND EXTENT OF CONTAMINATION 9-1
9.1.1 Volatile Organic Compounds 9-1
9.1.2 Semi-Volatile Organic Compounds 9-2
9.1.3 Total Recoverable Petroleum Hydrocarbons 9-2
9.1.4 Target Analyte List Metals 9-2
9.2 HUMAN HEALTH EVALUATION 9-3
9.3 ECOLOGICAL ASSESSMENT 9-4
9.4 RECOMMENDATIONS 9-4

10.0 REFERENCES 10-1

LIST OF TABLES

4-1 Chemical-Specific ARARs/TBCs
4-2 Location-Specific ARARs
4-3 To Be Considered Materials

5-1 Summary of Soil Gas Sampling Activities
5-2 Summary of Drilling and Sampling Activities
5-3 Summary of Surface and Subsurface Soil Sampling
5-4 Summary of Soil Gas Analytical Data
5-5 Summary of Soil Analytical Data for Soil Boring SB01
5-6 Summary of Soil Analytical Data for Soil Borings SB02-SB04
5-7 Summary of Soil Analytical Data for Soil Borings SB05-SB07
5-8 Summary of Soil Analytical Data for Soil Borings SB08-SB10
5-9 Summary of Soil Analytical Data for Soil Borings SB11-SB13
5-10 Summary of Soil Analytical Data for Soil Borings SB14-SB16
5-11 Summary of Soil Analytical Data for Soil Boring SB17
5-12 Summary of Soil Analytical Data for Soil Boring SB18
5-13 Summary of Soil Analytical Data for Soil Boring SB19
5-14 Summary of Field Immunoassay Screening Data for Total Petroleum Hydrocarbons
5-15 Background Concentrations of Naturally Occurring Chemical Constituents in Soil at Cannon AFB
5-16 Comparison of Soil Analytical Results for TPH from the Fixed Lab and Field Immunoassay Screening

6-1 Physical/Chemical Properties of Chemicals of Potential Concern

7-1 Frequency of Detection and Exceedances of Background Concentrations for Inorganics
7-2 Frequency of Detection and Exceedances of EPA Region 6 Media-Specific Screening Levels for Inorganics
7-3 Frequency of Detection and Exceedances of EPA Region 6 Media-Specific Screening Levels for Organics
7-4 Toxicity Values for Potential Carcinogenic Effects
7-5 Toxicity Values for Potential Noncarcinogenic Effects
7-6 Calculation of Volatilization Factor
7-7 Calculation of Particulate Emission Factor
7-8 Risk Calculation Method
7-9 Cancer Risk Estimates, Exposure Medium: Surface Soil
7-10 Noncancer Hazard Quotient Estimates: Exposure Medium: Surface Soil
7-11 Cancer Risk Estimates, Exposure Medium: Subsurface Soil
7-12 Noncancer Hazard Quotient Estimates: Exposure Medium: Subsurface Soil
7-13 Total Cancer or Noncancer Risk Estimates, Exposure Medium: Surface and Subsurface Soil

LIST OF TABLES (continued)

8-1 Federal and State Protected Animals Potentially Occurring in the Vicinity of Cannon Air Force Base
8-2 Screening Levels, Frequency of Detection and Exceedence of Screening Levels for Soil Organic Contaminants
8-3 Screening Levels, Frequency of Detection and Exceedence of Media-Specific Screening Levels for Soil Inorganic Contaminants
8-4 List of Chemicals of Potential Ecological Concern
8-5 Reference Values for Deer Mouse
8-6 Physicochemical Data for Selected Polynuclear Aromatic Hydrocarbons
8-7 Chemicals of Ecological Concern Concentration Estimates for Plant Material
8-8 Estimate Daily Intake of Chemicals of Ecological Concern by Deer Mouse
8-9 Daily Intakes, Reference Toxicity Values and Hazard Quotients

LIST OF FIGURES

3-1 Site Location Map
3-2 Geomorphic Province Map
3-3 Generalized Geologic Map
3-4 Generalized Geologic Column
3-5 Water Well Location Map
3-6 Soil Distribution Map

5-1 Site Features Map
5-2 Geologic Profile (Plan View)
5-3 Geologic Profile (Cross-Section A-A')
5-4 Geologic Profile (Cross-Section B-B')
5-5 Sample Location Plan
5-6 Total Target Volatile Organics in Soil Gas
5-7 Total Target Diesel Range Organics in Soil Gas
5-8 Tetrachloroethene in Soil Gas
5-9 Location of Vertical Contaminant Concentration Profiles (Plan View)
5-10 Vertical Concentration Profile A-A', Total VOCs
5-11 Vertical Concentration Profile B-B', Total VOCs
5-12 Vertical Concentration Profile A-A', BTEX
5-13 Vertical Concentration Profile B-B', BTEX
5-14 Vertical Concentration Profile A-A', Total SVOCs
5-15 Vertical Concentration Profile B-B', Total SVOCs
5-16 Vertical Concentration Profile A-A', TRPHs
5-17 Vertical Concentration Profile B-B', TRPHs
5-18 Vertical Concentration Profile A-A', Barium
5-19 Vertical Concentration Profile B-B', Barium
5-20 Vertical Concentration Profile A-A', Beryllium
5-21 Vertical Concentration Profile B-B', Beryllium
5-22 Vertical Concentration Profile A-A', Manganese
5-23 Vertical Concentration Profile B-B', Manganese
5-24 Vertical Concentration Profile A-A', Zinc
5-25 Vertical Concentration Profile B-B', Zinc
5-26 Comparison of Soil Gas and Fixed Lab Data in Selected Sampling Locations

7-1 Health Risk Assessment Conceptual Site Model

8-1 Ecological Risk Assessment Conceptual Site Model

LIST OF APPENDICES

Appendix A Previous Field Investigation Information
Appendix B PETRO-RISc® Soil Test Data Sheets
Appendix C Field Boring Logs for Soil Borings SB01-SB19
Appendix D Testing Service Corporation (TSC) Geotechnical Testing Data Reports
Appendix E GORE-SORBER℠ Screening Survey Final Report
Appendix F Applied Research and Development Laboratory (ARDL) Analytical Data Reports

TABLE OF ACRONYMS

ADI	Chronic Daily Intake
AFB	Air Force Base
ARAR	Applicable or Relevant and Appropriate Requirements
ASTM	American Society for Testing and Materials
BTAG	Biological Technical Advisory Group (USEPA)
CEC	Cation Exchange Capacity
CERCLA	Comprehensive Environmental Compensation and Liability Act
COEC	Chemical of Ecological Concern
COPC	Chemical of Potential Concern
CSM	Conceptual Site Model
CUZ	Compatible Use Zone
DQCR	Daily Quality Control Report
EPC	Exposure Point Concentration
ePTFE	Expanded Polytetrafluorethylene
FTA4	Fire Training Area No. 4
Harza	Harza Environmental Services, Inc.
HI	Hazard Index
HQ	Hazard Quotient
IRIS	Integrated Risk Information System (USEPA)
K_d	Soil-water Distribution Coefficient
K_{oc}	Organic Carbon Partition Coefficient
K_{ow}	Octanol/water Partition Coefficient
L/day	Liters Per Day
LOAEL	Lowest Observed Effect Level
MDL	Method Detection Limit
MF	Modifying Factor
mg/kg	milligrams Per Kilogram
MSSL	Human health Media-Specific Screening Level
NOAEL	No Observed Effect Level
°C	Degrees Centigrade
°F	Degrees Fahrenheit
PEF	Particulate Emission Factor
PNA	Polynuclear Aromatic Hydrocarbon
POL	Petroleum Oil and Lubricants
PSGS	Passive Soil Gas Survey
QA	Quality Assurance
QC	Quality Control
RAGS	Risk Assessment Guidance for Superfund (USEPA)
RCRA	Resource Conservation and Recovery Act
RfD	Reference Dose
RFI	RCRA Facility Investigation
RME	Reasonable Maximum Exposure

RTV	Reference Toxicity Value
SC	Clayey Sand (USCS)
SCS	USDA Soil Classification System
SF	Cancer Slope Factor
SM	Silty Sand (USCS)
SOP	Standard Operating Procedure
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Unit
TAL	Target Analyte List
TBC	To Be Considered
TRPHs	Total Recoverable Petroleum Hydrocarbons
TSC	Testing Service Corporation, Carol Stream, IL
UCL	Upper Confidence Limit
UF	Uncertainty Factor
ug/kg	Micrograms Per Kilogram
UR	Unit Risk
USACE	U. S. Army Corps of Engineers
USAF	U. S. Air Force
USCS	Unified Soil Classification System
USDA	U. S. Department of Agriculture
USEPA	U. S. Environmental Protection Agency
USGS	U. S. Geological Survey
VOC	Volatile Organic Compound

1.0 EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Harza Environmental Services, Inc. conducted a Phase II RCRA Facility Investigation (RFI) between October 16, 1996 and February 26, 1997 at Fire Training Area No. 4, Cannon Air Force Base, Curry County, New Mexico. Fire Training Area No. 4, a former fire training facility, encompasses four Solid Waste Management Units (SWMUs), Nos. 109, 110, 111 and 112.

1.1 OBJECTIVES

RFI objectives were to sample potentially affected media at the site and perform the necessary analyses on a sufficient number of samples collected at appropriate locations and/or intervals to: (1) Delineate the vertical and lateral extent of contamination in each contaminated media; (2) Identify all contaminants of concern; (3) Determine the fate and transport characteristics of each contaminant of concern; (4) Perform a human health and environmental risk assessment to determine if site conditions pose a risk to human health or the environment according to USEPA policy; and (5) Support a decision for no further action or the selection of corrective measures/remedial alternatives and remedial design.

1.2 SCOPE

The RFI was completed in substantial accordance with procedures detailed in the RFI Work Plan (Harza 1996), supplemented or modified in the field as necessary, and included the following:

- A Passive Soil Gas Survey consisting of installing, retrieving, and analyzing soil gas screening modules at forty (40) locations, plus associated quality control samples.
- Completion of nineteen (19) soil borings, between 20 and 90 feet deep, for collection of surface and subsurface soil samples.
- Collection of seventy-seven (77) surface and subsurface soil samples, plus associated quality control samples, for field TPH immunoassay screening, field headspace screening, and fixed laboratory chemical analysis.
- Collection of twelve (12) soil samples for geotechnical testing, including particle size analysis and moisture content testing
- Collection of continuous soil samples from each boring for lithologic description

Principal findings of the RFI are summarized in the following sections.

1.3 INVESTIGATION FINDINGS

1.3.1 Nature and Extent of Contamination

Volatile Organic Compounds. Volatile organic compounds were detected above the method reporting limits (MRLs) only in one boring (SB01) located at the former fire training pit (SWMU No. 109). VOCs detected in SB01 included toluene, ethylbenzene, m&p-xylene, o-

xylene, isopropylbenzene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropyltoluene, n-butylbenzene, 1,2-dibromo-3-chloropropane, naphthalene, and 2-butanone. Individual detections in boring SB01 were recorded at depths of 3 feet, 19 feet, 27 feet, 38 feet, 42 feet, 55 feet, and 65 feet. Where detected, concentrations of individual VOCs ranged as follows:

- toluene (17.4 - 4,370 μg/kg);
- ethylbenzene (34.6 - 7,230 μg/kg)
- m&p-xylene (166 - 34,100 μg/kg);
- o-xylene (81.1 - 18,900 μg/kg);
- isopropylbenzene (16.6 - 1,940 μg/kg);
- n-propylbenzene (29.3 - 4,450 μg/kg);
- 1,3,5-trimethylbenzene (92.6 - 15,500 μg/kg);
- 1,2,4-trimethylbenzene (11.2-41,800 μg/kg);
- sec-butylbenzene (15.6 μg/kg);
- p-isopropyltoluene (51.8 - 9,530 μg/kg);
- n-butylbenzene (26.2 - 4,620 μg/kg);
- naphthalene (10.7 - 8,580 μg/kg); and
- 2-butanone (89.8 μg/kg).

Semi-Volatile Organic Compounds. Semi-volatile organic compounds were detected above the MRLs only in soil boring SB01. Detection of naphthalene and 2-methylnaphthalene occurred in five instances, in soil boring SB01 at depths of 3 feet, 19 feet, 27 feet, 38 feet, and 42 feet. Detected concentrations in these samples ranged as follows: naphthalene (586 - 3,800 μg/kg) and 2-methylnaphthalene (3,500 - 11,700 μg/kg).

Total Recoverable Petroleum Hydrocarbons (TRPH). TRPH was detected in each of the nineteen (19) soil borings drilled in the RFI. The highest concentrations were detected in borings drilled near SWMU No. 109 (SB01, SB19, SB04, and SB11) and SWMU No. 111/112 (SB14). The highest concentrations were detected in boring SB01 at a depth of 19 feet (5,560 mg/kg), boring SB19 at a depth of 4 feet (1,530 mg/kg), boring SB04 in the surface sample (3,270 mg/kg), boring SB11 in the surface sample (14,400 mg/kg), and boring SB14 in the surface sample (1,040 mg/kg).

Detected TRPH concentrations generally decrease rapidly with depth, with the highest relative concentration in each boring detected in surficial or near-surface samples (within the upper 4 feet). This is seen in all borings with exception of boring SB01 where the highest detected concentration of TRPHs was detected at a depth of 19 feet and concentrations greater than 1,000 mg/kg were detected to a depth of 42 feet.

Field immunoassay screening data further indicates that detectable concentrations (greater than 10 ppm) were found in soil borings SB01 and SB12. In boring SB01, TRPH was detected to a depth of 65 feet. Samples collected from boring SB01 from depths of 65 feet and 73 feet indicated non-detectable concentrations (less than 10 ppm). In boring SB12, TRPH was detected

at a depth of 10 feet. Samples collected from boring SB12 at a depth of 2 feet, 21 feet, and 31 feet indicated non-detectable concentrations. TRPHs were not detected in any other sample using field immunoassay screening methods. Comparison of the field immunoassay screening data with laboratory analytical data indicates a positive qualitative correlation.

Target Analyte List Metals. Analytical results indicated detectable concentrations of target analyte list metals in each of the nineteen (19) soil borings drilled in the RFI. Where detected, concentrations of individual compounds ranged as follows:

- aluminum (1,230 - 9,990 mg/kg);
- antimony (2.3 - 6.2 mg/kg);
- arsenic (0.6-3.3 mg/kg);
- barium (15.3 - 1,250 mg/kg);
- beryllium (0.15 - 0.74 mg/kg);
- calcium (1,680 - 253,000 mg/kg);
- chromium (2.2 - 20.9 mg/kg);
- cobalt (1.1 - 5.4 mg/kg);
- copper (1.1 - 8.4 mg/kg);
- iron (1,830 - 10,700 mg/kg);
- lead (0.91 - 21.5 mg/kg);
- magnesium (702 - 5,300 mg/kg);
- manganese (18.8 - 1,350 mg/kg);
- nickel (2.9 mg/kg - 10.7 mg/kg);
- potassium (285 - 2,360 mg/kg);
- selenium (0.067 - 0.69);
- sodium (51.3 - 860 mg/kg);
- thallium (0.12 mg/kg);
- vanadium (4.2 - 24.7 mg/kg); and
- zinc (4.5 - 27.6 mg/kg)

Concentrations generally decrease with increasing depth below the ground surface, noticeable for most of the metals analyzed (i.e. aluminum, beryllium, chromium, cobalt, copper, lead, manganese, vanadium, zinc) and especially evident in the deeper soil borings (i.e. SB01, SB17, SB18, SB19). Eleven (11) metals were detected at concentrations exceeding background concentration ranges at Cannon AFB. These included barium, beryllium, calcium, chromium, cobalt, iron, lead, manganese, nickel, silver, and zinc. For these metals, most of the elevated concentrations occur at the ground surface or within soils with a high silt/clay content. The trend of decreasing concentrations at depth below the ground surface appears to coincide with the presence of soils with increased silt and clay content. Additionally, comparison of the detected concentrations for each of these eleven metals with the background concentration ranges indicates that, in general, the detected concentrations only marginally exceed the background concentrations.

1.3.2 Human Health Evaluation

A Human Health Risk Assessment was conducted to assess potential adverse human health effects that could occur due to exposure to site contaminants at FTA4, in the event no action is taken to remove contaminants and/or prevent their migration. Five chemicals; barium, beryllium, manganese, benzo(a)pyrene, and benzo(b)fluoranthene, were identified as Chemicals of Potential Concern (COPCs) and in the risk assessment. Four categories of receptors, military personnel, visitors/trespassers, construction workers, and military personnel engaged in construction, were postulated and evaluated for exposure to the four chemicals. Results show that cancer or noncancer risks to any of the receptors are several orders of magnitude smaller than the regulated cancer risk of 10^{-6} or noncancer hazard quotient of 1, indicating that exposure the site contaminants is negligible. Based on the conservative nature of risk assessment, the true risks may be even less than the calculated risks. In conclusion, site contaminants poses no significant risks to any of the populations.

1.3.3 Ecological Risk Assessment

An ecological risk assessment was performed as part of the overall RFI effort to evaluate the potential for biological resources in the vicinity of FTA4 to be adversely affected by site contaminants. Concentrations of chemicals found at FTA4 were evaluated specifically in terms of potential risks to the Deer mouse population, selected as the indicator species. The chemicals phenanthrene, fluoranthene, pyrene, beryllium, lead, and zinc were detected in site soils and were considered to be chemicals of ecological concern. Concentrations of these chemicals in soils were very low and were not considered to pose an ecological concern. The results of the ecological risk assessment are presented below.

Risk characterization is based on a hazard quotient approach (USACE 1996). This screening-level ecological risk assessment indicates a hazard quotient for pyrene of 0.004. Hazard quotients for other COECs are lower: 0.002 for fluoranthene, 0.002 for phenanthrene and 0.24 for lead. When more than one contaminant is involved in the risk calculation, and if the contaminants exhibit consistent modes of toxicity and effects on endpoints, then it is appropriate to sum the hazard quotients to compute a hazard index. The ecological hazard index for FTA4 is 0.2, which suggests that the likelihood of adverse ecological effects occurring at the site from the COECs is low. In summary, the screening of ecological risk at FTA4 indicates a low potential for adverse ecological effects. Moreover, this is a conservative estimation and the actual risks may be even less than those calculated.

1.4 RECOMMENDATIONS

Based on the results of the RFI and subsequent human health and ecological risk assessments, a "No Action" remedial alternative is recommended for FTA4, including the following SWMUs:

- SWMU No. 109 - Fire Training Pit
- SWMU No. 110 - Underground Waste Oil Tank #2336

- SWMU No. 111 - Unlined Pit; and
- SWMU No. 112 - Oil/Water Separator #2336

2.0 INTRODUCTION

2.0 INTRODUCTION

2.1 PURPOSE AND SCOPE OF REPORT

This Phase II RCRA Facility Investigation (RFI) report was prepared by Harza Environmental Services, Inc. (Harza) for the US Army Corps of Engineers, Omaha District (USACE) for Fire Training Area No. 4, Cannon Air Force Base (Cannon AFB), Curry County, New Mexico. It has been prepared to document the results of the investigation of potential hazardous waste releases from Fire Training Area No. 4 (FTA4), Solid Waste Management Unit (SWMU) Nos. 109, 110, 111 and 112. Information obtained from the field investigations was used in the Human Health and Ecological Risk Assessments which were also completed as part of the overall RFI effort.

Harza was contracted by the USACE to perform the RCRA Facility Investigation (RFI) described herein. The activities performed during the RFI effort were conducted in accordance with the RFI Work Plan prepared by Harza for this specific investigation. The RFI Work Plan (Harza 1996) included a Data Management Plan, Field Sampling Plan, Data Quality Assurance Project Plan, and Site Safety and Health Plan.

2.2 INVESTIGATION OBJECTIVES

The objectives of this RFI were to sample potentially affected media at FTA4 and perform the necessary analyses on a sufficient number of samples collected at appropriate locations and/or intervals to:

- Delineate the vertical and lateral extent of contamination in each contaminated media;
- Identify all contaminants of concern;
- Determine the fate and transport characteristics of each contaminant of concern;
- Perform a human health and environmental risk assessment to determine if site conditions pose a risk to human health or the environment according to USEPA policy; and
- Support a decision for no further action or the selection of corrective measures/remedial alternatives and remedial design.

2.3 REPORT ORGANIZATION

This report summarizes the results of the RFI performed by Harza at FTA4, Cannon Air Force Base, Curry County, New Mexico, and incorporates the results of previous investigations, where appropriate, to provide a basis for further actions under the Resource Conservation and Recovery

Act (RCRA) of 1976. This investigation and report also satisfy the requirements of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA) of 1980. The report was prepared using guidance obtained from United States Environmental Protection Agency's (USEPA's) *RCRA Facility Investigation Guidance* and the report generally follows the format suggested in USEPA's *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA*.

This RFI report is organized as follows: Section 1.0 outlines the purpose and scope of the report, investigation objectives, report organization, and previous investigations at FTA4. Section 2.0 provides a description of the physical setting at Cannon AFB, including available information on facility conditions, physical geography, land use and demography, climatology, geology, hydrogeology, surface water hydrology, soils, and ecology for Cannon AFB and surrounding areas. Section 3.0 presents applicable or relevant and appropriate requirements (ARARs). Section 4.0 presents the results of the field investigations at FTA4, within the boundaries of which, SWMUs 109, 110, 111, and 112 are located. Section 5.0 discusses contaminant fate and transport of the chemicals detected during the RFI. Sections 6.0 and 7.0, respectively, present the results of the baseline risk assessment for human health and the ecological risk assessment. Section 6.0 provides the conclusions and recommendations based on the results of the field investigations and baseline risk assessment. References are contained in Section 7.0.

2.4 PREVIOUS INVESTIGATIONS

Information concerning previous investigations at FTA4 was obtained from excerpted information provided by USACE, and included in Appendix A. Previous investigations completed at FTA4 are summarized as follows:

- In 1985, Radian Corporation completed two deep soil borings; one about 50 feet east of training pit (SWMU No. 109) and one about 100 feet south of the fire training pit (SWMU No. 109). Sample results from the boring to the east indicated the presence of oil and grease up to 280 mg/kg and lead between 4.1 and 39 mg/kg at a depth of 10.5 to 11.5 feet. Results from the boring to the south indicated 37 mg/kg oil and grease at a depth of 43 to 45 feet. No purgeable organic compounds were detected in these borings.

- In 1988, Walk, Haydel and Associates completed nine borings in the area of SWMU Nos. 111/112 and SWMU No. 110, ranging in depth from 5 to 100 feet. Analytical results indicated the presence of JP-4 constituents ethylbenzene, benzene, toluene, and xylene in soils from three (3) borings near the underground tank (SWMU No. 110). Concentrations were reportedly detected to a depth of 100 ft and ranged from: 2,030 to 15,200 µg/kg benzene; 620 to 56,200 µg/kg ethylbenzene; 280 to 64,000 µg/kg toluene; and 1,500 to 93,800 µg/kg xylene (total). Four metals analyzed (arsenic, selenium, cadmium, and silver) were detected and ranged from 50.7 to 114.6 mg/kg arsenic, 679.6 to 1713.5 mg/kg barium, 80.6 to 198.4 mg/kg selenium, and 5.1 to 154.8 mg/kg silver.

- In 1991, Woodward-Clyde Consultants collected four surface soil samples and completed four soil borings. Analytical results indicated the presence of ethylbenzene and xylenes as well as total petroleum hydrocarbons (TPH) in the area of SWMU No. 109. In a boring immediately south of SWMU No. 109, ethylbenzene was found at an estimated concentration of 19,000 µg/kg from a depth of 4 to 6 feet, xylene (total) between 6,700 and 290,000 µg/kg from depths of 4 to 12 feet, and TPH between 46.7 and 13,600 µg/kg from the surface to depths of 22 feet. In the boring immediately north of SWMU No. 109, TPH was reported between 12,900 and 38,500 µg/kg from the upper 6 feet and between 203 and 215 µg/kg at a depth of 50 to 62 feet. No other organic detections were reported. One elevated lead level (estimated at 19.6 mg/kg) was detected at the surface at the boring completed immediately north of SWMU No. 109.

3.0 PHYSICAL SETTING

3.0 PHYSICAL SETTING

3.1 FACILITY DESCRIPTION

Cannon AFB is located in Curry County, New Mexico, approximately seven miles west of the City of Clovis (Figure 3-1). The base is situated on approximately 4,320 acres and principally includes the airfield area with operation, maintenance, and support facilities located primarily northwest of the airfield area. Housing facilities are located in the northwest portion of the base, west of Highway 277. Additional base support facilities such as the wastewater lagoons, munitions storage area, and fire department training area are located south and east of the airfield.

The primary mission of Cannon AFB is to develop and maintain a tactical fighter wing capable of day, night, and all weather operations and to provide replacement training of combat crews for tactical operations worldwide. Currently, three squadrons of F-16 aircraft and one squadron of EF-111 aircraft are assigned to Cannon AFB. Cannon AFB's 4,000 member work force includes 3,500 military and 500 civil service personnel.

3.2 PHYSICAL GEOGRAPHY

Cannon AFB is situated in the Southern High Plains Physiographic Province in the Llano Estacado subprovince (Figure 3-2) (Hawley et al. 1976). The Llano Estacado is a nearly flat plain sloping gently (10 to 15 feet per mile) to the east and southeast. In the vicinity of Cannon AFB, ground elevations range from 4,250 feet to 4,350 feet above mean sea level (msl).

The most prominent geomorphic features in the vicinity of Cannon AFB are blowouts and broad, widely spaced valleys. Less common landforms are relict sand dunes located along the northern side of the Portales Valley south of the base. Relict dunes are not found on or near Cannon AFB.

Blowouts are broad shallow depressions which form as the result of soil erosion by wind. Blowouts commonly collect surface runoff from small to moderate sized drainage areas. During periods of rainfall, runoff collects in blowouts to form ephemeral playa lakes, which have no external surface drainage. Water is lost from the playa lakes by infiltration to the soil and evaporation; and without, recharge playa lakes persist for only a few days or weeks. Three playas are located within the base, and several more are found to the north and east of the base.

Stream valleys tend to be fairly broad and widely spaced. Streams are ephemeral and drainages are poorly developed. No streams exist on or near Cannon AFB. Running Water Draw and Frio Draw, located about 10 and 20 miles, respectively, north of Cannon AFB, are the nearest streams (USGS 1985).

3.3 LAND USE AND DEMOGRAPHY

Cannon AFB is located in southern Curry County, approximately seven miles west of the City of Clovis, New Mexico, which is the county seat. The bureau of Census data for 1990 reports the

population of Curry County and the City of Clovis as 42,207 and 30,954, respectively. In 1990, Cannon AFB had a resident population of approximately 3,800, including military personnel and their dependants (USAF 1991).

Currently, 1,841 housing units are controlled by Cannon AFB. Unaccompanied enlisted military personnel reside in 830 dormitory units located on-base. Military families live in 1,011 units, 250 of which are located off-base. Typically, military family housing is maintained at 95 percent occupancies, while 5 percent undergo repairs and maintenance.

Major industries by employment in Curry County include retail trade, government, and services. Cannon AFB is the largest single employer within the county. Base related employment totaled approximately 4,900 positions, which included approximately 4,000 uniformed military, 460 appropriated-fund civilians, and approximately 400 other base civilians (USAF 1991).

Medical services are provided for Cannon AFB personnel and their dependants by two general hospitals in the surrounding communities and by the base hospital. Education of student dependants is provided by the Clovis Municipal School District. A total of 1,735 dependants of Cannon AFB personnel enrolled in Clovis schools during the 1989-1990 school year (USAF 1990).

Land use within Curry County is primarily agricultural. The county has a total land area of 897,000 acres with 837,200 acres designated as farmland (USAF 1990); 133,700 acres of this are considered prime farmland. Land surrounding Cannon AFB is classified as irrigated farmland of state importance. Principal crops include corn, grain, sorghum, wheat, barley, oats, alfalfa, cotton, and various vegetables. Cattle ranching occur throughout the county.

The city of Clovis is the commercial center for eastern New Mexico and western Texas and is one of the primary growth centers in a 17-county area. The Clovis planning area boundary extends for a five-mile area around the city. Currently, no land use or zoning controls restrict the type and amount of construction in proximity of Cannon AFB.

Within Cannon AFB there are several land uses, including residential, commercial, industrial, recreational, and vacant land. The USAF has also designated Compatible Use Zones (CUZs) around Cannon AFB. The CUZs provide recommendations for compatible uses in areas subject to noise and accident hazards. The local communities or county governments are responsible for adopting appropriate land use controls to prevent incompatible development. The county has not passed zoning ordinances controlling development around Cannon AFB. Incompatible land uses (with reference to USAF CUZs) have occurred to the northeast of the base and included both commercial and residential development.

3.4 CLIMATOLOGY

The climate of east-central New Mexico is classified as tropical semi-arid, with summer temperature and precipitation maxima. Average monthly temperatures range from a January low

of 39°F to a July high of 79°F. Extreme daily temperatures range from -11°F to 106°F (Lee Wan and Associates 1990). Average monthly precipitation ranges from 0.4 inches in winter to 2.7 inches in July (USAF 1990). The maximum recorded 24-hour rainfall is 4.7 inches, which occurred in August 1985 (Hale 1992). Rainfall occurs on eight or more days per month during the summer precipitation maximum. Mean annual precipitation is approximately 15 inches. The mean annual lake evaporation is 69 inches per year. Prevailing winds are from the west at an average of 8 mph (USAF 1990).

The atmosphere around Cannon AFB is generally well mixed. The seasonal and annual average mixing heights can vary from 400 meters in the morning to 4,000 meters in the afternoon. The afternoon mixing heights are typically greater during the spring and fall seasons. The morning mixing heights are usually low, due to nighttime ground heat loss producing surface-based temperature inversions. After sunrise, these inversions generally break up, and solar heating of the earth's surface causes vertical mixing in the atmosphere (USAF 1990).

Dust is frequently entrained into the atmosphere in this region of the country because of gusty winds and the semiarid climate. The Texas Panhandle-eastern New Mexico area is considered the worst area in the United States for windblown dust. Occasionally, this windblown dust is of sufficient quantity to restrict visibility. Most of the seasonal dust storms occur in March and April, when the wind speeds are typically high.

3.5 GEOLOGY

The near-surface stratigraphic units of interest at Cannon AFB are the Late Miocene-Late Pliocene age Ogallala Formation and the Early Triassic Dockum Group (Figures 3-3 and 3-4).

The Dockum Group consists of three formations. The stratigraphically lowest unit is the Santa Rosa Sandstone. Overlying the Santa Rosa Sandstone are the Chinle and Redonda Formations. The Chinle and Redonda Formations are composed mainly of red shales with lesser interbedded sands and are known locally as "redbeds." The top of the Dockum Group is marked by an erosional unconformity having relief of up to several hundred feet (Lee Wan and Associates 1990).

Overlying the Dockum Group redbeds is the Ogallala Formation. The Ogallala Formation extends from eastern New Mexico and Colorado into Texas, Oklahoma, Kansas, Nebraska, and South Dakota. Drillers logs from Cannon AFB indicate that the Ogallala Formation varies from 360 feet to 415 feet in thickness. The incised upper surface of Triassic redbeds strongly influences Ogallala thickness. Stream valleys in the post-Triassic unconformity are deep and trend dominantly east to west. Ogallala thickness may thus vary significantly over short north to south distances.

The Ogallala is erosionally truncated to the south along the abandoned Portales Valley, to the west along the Pecos River Valley, and to the north in a series of ephemeral stream valleys. The Ogallala Formation extends more than 125 miles to the east before terminating as an escarpment

in Briscoe County, Texas. Springs and seeps are common along the erosional margins of the Ogallala.

The Ogallala dips gently and monoclinally to the southeast in the vicinity of Cannon AFB. As reported in Lee Wan and Associates (1990), data suggest that some Quaternary warping may have occurred, but most of the structures recognized are well to the northwest and southwest of Cannon AFB. No faults or buried structural lineaments are known to exist in the vicinity of Cannon AFB.

The Ogallala Formation is composed of unconsolidated poorly sorted gravel, sand, silts, and clays. The base of the Ogallala is generally marked by a gravel, cobble, and boulder deposit. This basal member contains sediments derived from igneous and sedimentary rocks transported from the mountains located to the west. The Ogallala Formation was laid down by stream and overbank deposits formed within coalescing alluvial fans. These fans form a broad pediment along the eastern flank of the Rocky Mountains. As is typical of alluvial deposits, Ogallala internal stratigraphy varies vertically and horizontally over short distances.

Except where strongly cemented by calcium carbonate (caliche), the sediments of the Ogallala are loose and friable. Authigenic and allogenic clays are found as a trace to abundant matrix mineral (Lee Wan and Associates 1990). As reported by Lee Wan and Associates (1990), five zones have been identified within the Ogallala of east central New Mexico on the basis of clay minerals. Smectites (montmorillonites) and attapulgite (with sepeolite) are the dominant clays throughout the Ogallala. Illite is a lesser, but persistent clay, as is kaolinite. Smectite is a swelling clay, causing deep cracks to form in dry surface soils. Smectite in particular and, to a lesser extent, attapulgite and illite, are clays with moderate to high cation exchange capacities (CEC). The formation as a whole should therefore have a relatively high CEC, which should inhibit the migration of charged contaminants, and especially ionic forms of metals.

Caliche is a major feature of the Ogallala Formation, occurring as nearly continuous to discontinuous layers. Caliche is hard, white to pale tan on fresh surfaces, weathering to gray, and has a chalky appearance. Caliche forms as calcium carbonate, leached from overlying sediments and precipitated in the pore space of the host sediments. Precipitation is caused by the evaporation of downward percolating water. The caliche may thus mark the position of ancient vadose zones.

Caliche is relatively soluble in acidic water ($pH < 7$) or in waters containing dissolved CO_2. The top surface of the upper caliche in fresh outcrop shows solution etching. The Ogallala has numerous continuous to discontinuous caliche layers throughout its thickness. The uppermost caliche, termed the "climax" caliche, is pisolitic (Lee Wan and Associates 1990). As reported in Lee Wan and Associates (1990), radiocarbon dates for the upper "climax" caliche range from approximately 27,000 years before present (B.P.) to approximately 42,000 years B.P. The pisolites are thought to have formed as the caliche was repeatedly chemically-weathered and brecciated during Pleistocene pluvials and later recemented during drier intervals. This upper caliche outcrops around playas and the bounding escarpments of the Ogallala, and is locally termed "caprock." The "climax" caliche is typically 3 to 5 feet thick. Caliches which occur lower in the Ogallala are platy and harder. Caliche is likely thin or absent below playas.

3.6 HYDROGEOLOGY

The lower portion of the Ogallala Formation is the primary regional aquifer for both potable and irrigation water. No deeper aquifers are used in the vicinity of Cannon AFB. The Ogallala aquifer is part of the High Plains Aquifer which extends continuously from Wyoming and South Dakota into New Mexico and Texas. In east central New Mexico, the Ogallala aquifer rests on Dockum Group redbeds, which serve as the basal confining layer (aquiclude). The Ogallala is a water table, or unconfined aquifer (Weeks and Gutentag 1981). The Ogallala aquifer has a southeasterly regional gradient of about 13 ft/mile. Well yields vary from less than one gallon per minute (gpm) in thin silts and sands up to 1,600 gpm in thick sands and gravels. Water quality is generally good with dissolved solids ranging from 250 to 500 mg/L (Gutentag et al. 1984) and fluorides ranging from 2.2 to 2.7 mg/L (William Matotan and Associates Inc. 1985).

The dominant uses of groundwater in the Cannon AFB area are for potable and irrigation water. Numerous wells are found in the Cannon AFB area; most provide only irrigation water (Figure 3-5).

At Cannon AFB, the Ogallala aquifer has an average saturated thickness of 120 feet based on mid-1960's data. Saturated thickness ranges from 93 to 143 feet, and is influenced by the configuration of the erosional unconformity surface marking the top of the Dockum Group. The local groundwater gradient is southeasterly at 7 to 15 feet/mile (USAF 1990). Flow within the saturated zone may be influenced by the configuration of the top of the Dockum Group. Yields in tests of Cannon AFB water wells have ranged from 205 gpm to 1,150 gpm. Specific capacities range from 11.4 gal/ft to 27.9 gal/ft (Lee Wan and Associates 1990).

Very rough estimates of hydraulic conductivity were made from well pump tests in water wells 5 and 9 using the Theis equation. An estimate of hydraulic conductivity for water well 8 was based on water level recovery data using the Bouwer and Rice approach (Lee Wan and Associates 1990). The data used in these calculations were obtained to evaluate pump rates, efficiency, and well yield, and were not intended for use in calculating aquifer properties. The results of these calculations should, therefore, be considered as first approximations.

Hydraulic conductivity values for water wells 5 and 9 were approximately 2.0×10^{-3} cm/sec. Calculations for water well 8 result in a hydraulic conductivity of 2.0×10^{-2} cm/sec. These estimates appear to be low when compared to published hydraulic conductivity data for sands and gravels (Freeze and Cherry 1979). As reported in Kearney (1987), a groundwater flow velocity of about 150 ft/yr has been estimated. This calculates out to a hydraulic conductivity of approximately 1.0×10^{-1} cm/sec.

The presence of interstitial clays may account for both the variability and low values of hydraulic conductivities. Boring logs from Cannon AFB IRP projects and published reports (Lee Wan and Associates 1990) indicated that interstitial and interstratified clays are abundant in the Ogallala Formation.

Recharge to the Ogallala is primarily through precipitation. Kearney (1987) indicated that the recharge rate may be as much as 1.0 in/yr. Due to the high evapotranspiration rate and low precipitation, recharge occurs only during heavy rainfall events in which the infiltration capacity of the soil is exceeded and runoff occurs, or during cool months when precipitation exceeds evapotranspiration. Excess runoff flows to playas and the presence of water in playas allows deep percolation to the aquifer. The occurrence of this process is evidenced by the presence of clay deposits in playas and the possibility that caliche is thin or absent directly below playas. Caliche is soluble in acidic rain waters and is leached over time to form percolation pathways.

Discharge from the Ogallala occurs through well pumping and springs along the eroded margins. Spring discharge does not occur on or near Cannon AFB. Domestic and irrigation water wells are common on and around the base, however. The rate of discharge exceeds recharge as water levels in the Ogallala have declined steadily from the 1930s to the present. From the 1930s to 1980, a decline of 50 to 100 feet has been observed in the area around Clovis, New Mexico. Luckey et al. (1981) states, "the largest area of water level decline exceeding 100 ft occurs south of the Canadian River extending from Curry County, New Mexico to Crosby County, Texas."

The Ogallala will continue to be used as the primary source of potable and irrigation water for eastern New Mexico. The New Mexico State Engineer designated Curry County as a Water Basin in 1989. This designation allows for regulation of water rights, usage, and well drilling.

3.7 SURFACE WATER HYDROLOGY

Cannon AFB is located in the Southern High Plains region. This region is typified by smooth and gently sloping, undulating surface topography on which scattered, normally dry, flat-bottomed depressions are the dominant relief feature. The dominant surface features in the vicinity of Cannon AFB are small temporary lake basins known as playas. A playa located near the southwest corner of Cannon AFB collects the majority of the stormwater runoff from the base. Two wastewater lagoons are located on the base which have a combined surface area of 32 acres. The treated wastewater effluent from the lagoons is channeled into an adjoining playa lake. Cannon AFB has no permanent surface water features other than the wastewater lagoons and the associated playa lake (USAF 1990).

Regional drainage in Curry County is predominantly to the southeast and east. Stream drainage is poorly developed because of the low annual rainfall and the minimal relief. The drainage pattern consists of long shallow valleys (known as draws) that extend almost from the western edge of the Southern High Plains to the eastern boundary of the plateau. The valleys and draws eventually drain into one of three major river valleys : the Red, the Brazos, or the Colorado River valleys. Although the draws extend to the river valleys as drainage systems, they seldom contribute actual flow to the rivers except during periods of unusually high rainfall. The majority of the precipitation is lost to evapotranspiration and infiltration. The playa lakes serve as low-point collection areas not drained by the draws. The playa lakes have no surface outlet, and any water they collect is eventually lost to evaporation and infiltration (USAF 1990).

3.8 SOILS

Soils in the vicinity of Cannon AFB are classified as silty sand (SM) to clayey sand (SC) under the Unified Classification System, and as aridisols (calciorthids) under the United States Department of Agriculture - Soil Conservation Service Comprehensive Soil Classification System (USDA-SCS). The following summary is based on the Curry County Soil Survey (USDA 1958). Figure 3-6 depicts the various soil types mapped at Cannon AFB. Soil characteristics are briefly described in the following paragraphs.

The most common soil type on the base is the Amarillo fine sandy loam, 0 to 2 percent slope phase (map symbol Ab). This soil consists of a thin sandy A horizon, well defined clayey B_{1-3} horizons, with a calcic B_3 horizon at depths below 40 inches. The calcic B_3 horizon lies on a calcic C horizon, or on caliche. The color of the surface soil is brown (7.5 YR 5/5, dry) and subsurface soils are reddish-brown (5 YR 4/4, dry) to yellowish-red (15 YR 5/6, dry). The calcic C horizon underlying the Amarillo Fine Sandy loam is white in color. The Amarillo fine sandy loam soil type is present on all relatively flat surfaces at the base but is also found on slopes associated with playas (map symbol Ac). A small area of Amarillo loamy fine sandy 0 to 2 percent slope phase (map symbol Ag) is mapped in the southeast corner of the base.

Clovis fine sandy loams, 0-2 percent slope phase (map symbol Cb) and 2-5 percent slope phase (map symbol Cc), are similar to Amarillo fine sandy loams. Clovis soils are reddish-brown on the surface and in the subsurface, with a white Calcic C horizon. In the Clovis soils, the depth to the calcic C horizon ranges from 28 to 56 inches. The depth to caliche exceeds 56 inches. Clovis and Amarillo fine sandy loams occur in close association.

In a few limited areas, particularly along the steeper slopes around playas, Mausker fine sandy loam, 0 to 2 percent slope phase (map symbol Ma), and 2 to 5 percent phase (map symbol Mb) are found. Mausker fine sandy loams have no B horizons and are very calcareous. Mausker fine sandy loam soils are brown (10 YR 5/3, dry) to light brown (7.15 YR 6/4, dry) at the surface with a pink to reddish-yellow (7.5 YR 7/5, dry) calcic C horizon. Associated with the Mausker fine sandy loam soils around the base Playa Lake are Potter fine sandy loam soils, 0 to 5 percent slope phase (map symbol Pa). This soil typically has a thin A horizon, grayish brown (10 YR 5/2, dry) in color, with no B horizon; similar to Mausker soils. Potter soils are shallow and strongly calcareous, and overlie hard consolidated caliche. The calcic C horizon is within two feet of the surface.

The A and B horizons of Amarillo and Clovis fine sandy loams are rapidly to moderately permeable. Mausker fine sandy loam A and Ac horizons are rapidly permeable. Permeabilities in calcic B and C horizons are moderate (USDA 1958).

3.9 ECOLOGY

Land adjacent to Cannon AFB is primarily used for agriculture and little natural vegetation remains in the area. The wildlife species that are common to agricultural areas throughout the

region include bobwhite quail and pheasant. The few playa lakes in the area are used by upland game for cover, by waterfowl for resting and feeding, and by wildlife in general for drinking. Nearby riverbeds also provide water sources during rainy seasons. During periods of low rainfall, the riverbeds are dry.

The climate of the Base area is considered to be semiarid. The thin layer of topsoil in the vicinity of Cannon AFB is sandy loam, which is highly susceptible to wind erosion. The undisturbed natural vegetation is mostly shortgrass prairie, including blue grama grassland and mixed grama grassland vegetation types.

Much of the study area has been previously cleared for agricultural crops. The predominant land use of the region is rangeland, primarily for cattle grazing. In general, moderately grazed rangeland areas of the types occurring in the project area are highly productive in terms of both forage quality and quantity. The rangeland in the vicinity may support up to 15 to 20 head of cattle per section, depending on the rainfall. Large trees do not uniformly exist in the vicinity of the range except where planted around buildings and other structures on the Base. Woodlands composed of large shrubs and small trees are confined to riparian areas and playa lakes in the vicinity.

The eastern New Mexico area contains many nongame wildlife species that are typical of the High Plains. Most of these species are distributed widely throughout the western United States. Wildlife diversity is low in most areas because of the low vegetation diversity. Most amphibian species are associated with riparian habitats and playa lakes. Reptiles are found in all terrestrial habitat types but are most abundant in scrub/grasslands. Nocturnal rodents are the most abundant members of the small mammal community.

Grasslands on the High Plains support a variety of seed-eating sparrows and other ground-dwelling birds, both as residents and migrants. Raptors (hawks and owls) are relatively abundant in all habitats in the region. Insectivorous and tree-nesting species are most abundant in riparian areas. Shorebirds and waterbirds and migratory waterfowl in general use the rivers, playa lakes, and reservoirs of the region.

Big-game species in the area include mule deer, white-tailed deer, pronghorn, and barbary sheep. Pronghorn are the most abundant game animal in the area. Several species of upland game such as quail, ring-necked pheasant, and turkey are common in the area.

Information obtained from the New Mexico Department of Game and Fish, Conservation Services Division (1997), indicates that the federal- and state-protected species indicated on the following table may be found within Curry County.

Federal and State Protected Animals Potentially Occurring in the Vicinity of Cannon Air Force Base

Common Name	Scientific Name	Federal Status	State Status
Reptiles			
Texas horned lizard	*Phrynosama cornutum*	C2	
Birds			
Baird's sparrow	*Ammodramus bairdii*	C2	Threatened
Ferruginous hawk	*Buteo regalis*	C2	
Bald eagle	*Haliaeetus leucocephalus*	Threatened	Threatened
Peregrine falcon	*Falco peregrinus*	Endangered	Endangered
Mammals			
Plains pocket gopher	*Geomys burarius*	C2	
Swift fox	*Vulpes velox*	C	
American bison	*Bos bison*		Extirpated
Merriam's elk	*Cervus elaphus merriami*	Extinct	
Gray wolf	*Canis lupus*	Endangered	Extirpated
Black-footed ferret	Mustela nigripes	Endangered	Extirpated

Notes:

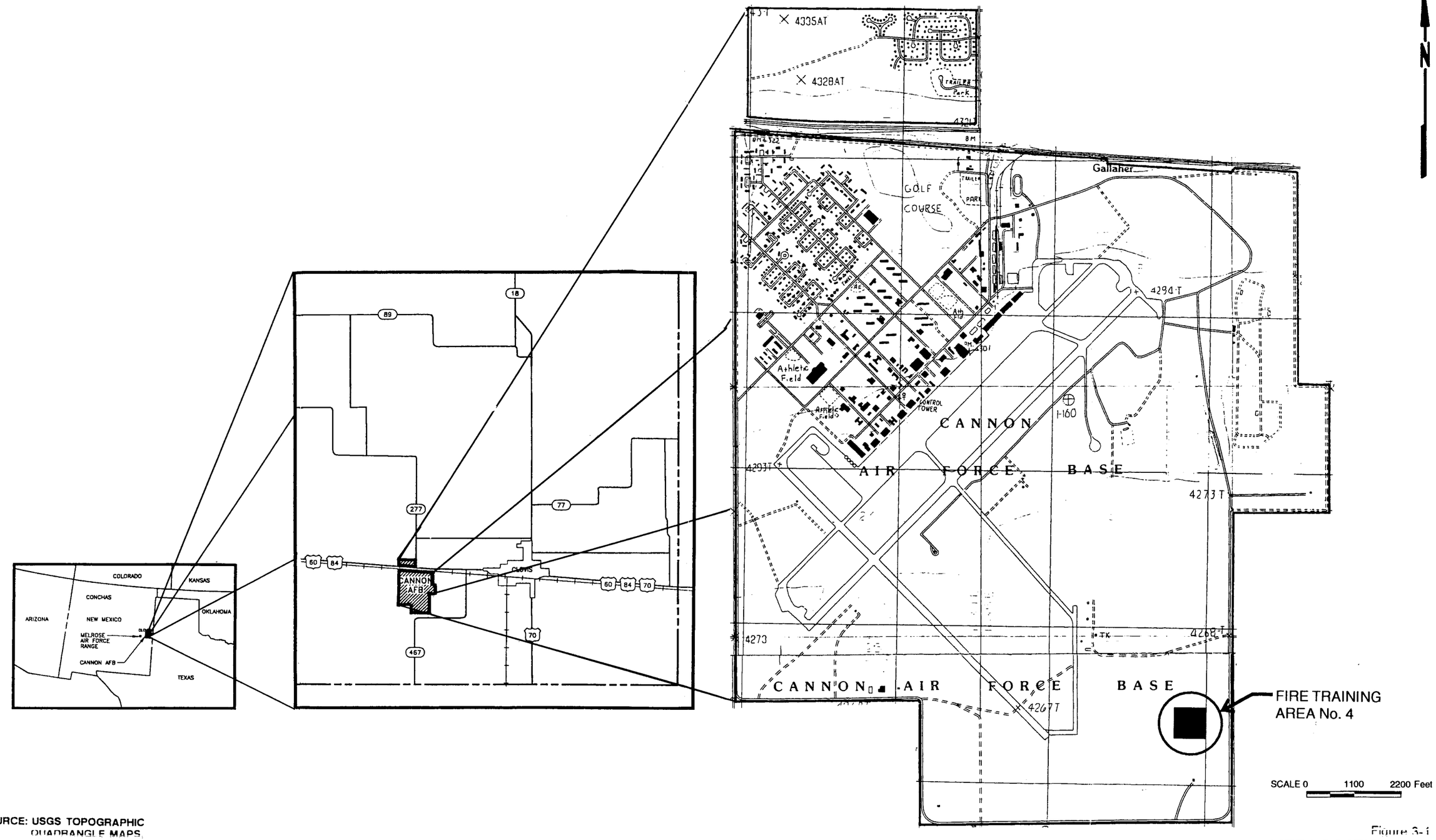
Endangered	Species whose prospects of survival or recruitment within the state are in jeopardy
Threatened	Species whose prospects of survival or recruitment within the state are likely to become jeopadized in the foreseeable future
C	Proposed as a candidate for listing
C2	Of concern, but has no legal standing or protection
Extirpated	No longer living in the state

Texas horned lizard, or horny toad, is not protected but is of concern at the federal level. This animal is known to occur in Curry County and has recently been found on the base. They inhabit open areas with sparse vegetation, digging dens for hibernation, nesting and insulation, in loose sand or loamy soils. They are insectivores and prefer to eat harvester ants.

Three of the four state-protected birds known to occur in the vicinity of the Base are the raptors ferruginous hawk, bald eagle and peregrine falcon. The ferruginous hawk may be found as either a winter migrant or a year-round resident. The bald eagle migrates and winters from the northern border of New Mexico to the Gila, lower Rio Grande, middle Pecos, and Canadian valleys. It is seen occasionally in summer and as a breeding bird, with nests reported in the extreme northern and western parts of the state. Winter and migrant populations appear to have increased with reservoir construction. The peregrine falcon is widely distributed but population numbers are low

but increasing. The American subspecies breeds statewide in New Mexico, but mainly west of the eastern plains. The protected songbird Baird's sparrow migrates through the area during autumn and may breed in New Mexico. Baird's sparrow is a grassland bird, eating seeds of grasses and forbs, as well as insects. Its numbers continue to decline.

Protected mammals that still live in the state include the Plains pocket gopher and swift fox. The Plains pocket gopher inhabits sandy or loamy soils, where burrowing is easier. While it has been found in alfalfa fields, the shortgrass prairie is its normal habitat, where it feeds primarily on grass seeds. The swift fox is closely related to the kit fox, and may hybridize with kit fox in eastern NM and western Texas. The fox is largely nocturnal, eating rodents, insects, lizards and vegetation. Dens are burrowed in sandy loam soils and they are used year-round. Its numbers have diminished due to habitat loss and the taking of poisoned bait.



SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAPS, PORTAIR AND OASIS STATE PARK, 1985

HARZA Consulting Engineers and Scientists

Figure 3-1

SITE LOCATION MAP

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

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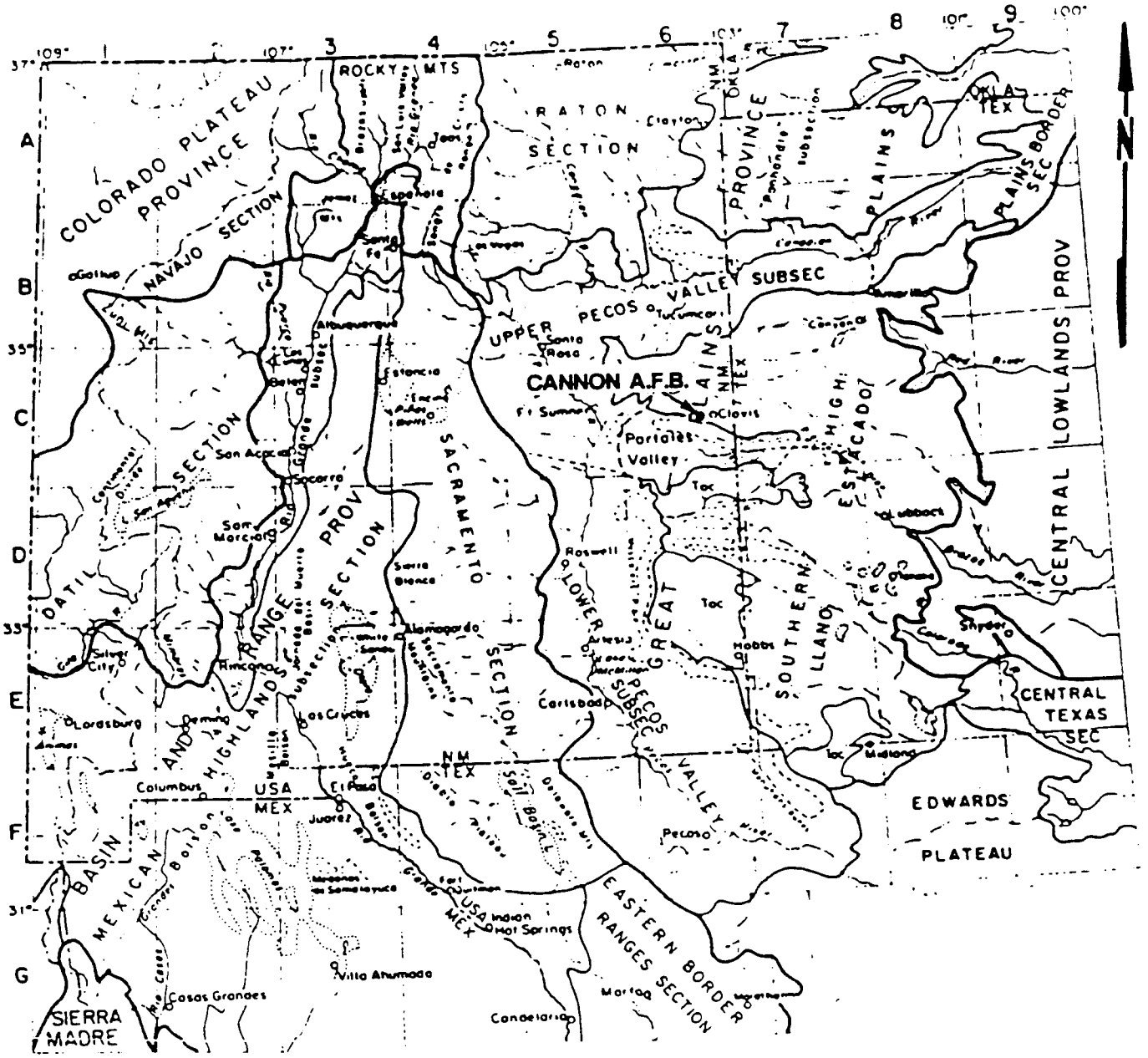

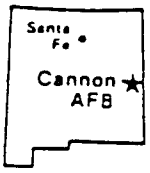

NEW MEXICO

LEGEND

UPPER QUATERNARY EOLION SAND SHEETS WITH DUNE FIELDS

DEPRESSIONS OCUPIED BY UPPER PLEISTOCENE "FLUVIAL" LAKES

Toc — RELICT OGALLA CAPROCK SURFACE

SCALE 0 50 100 Miles

SOURCE: QUATERNARY STRATIGRAPHY IN THE BASIN & RANGE AND GREAT PLAINS PROVINCES NEW MEXICO & WEST TEXAS; HAWLEY, BACKMAN, MANLEY.

HARZA *Consulting Engineers and Scientists*

Figure 3-2

GEOMORPHIC PROVINCE MAP

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

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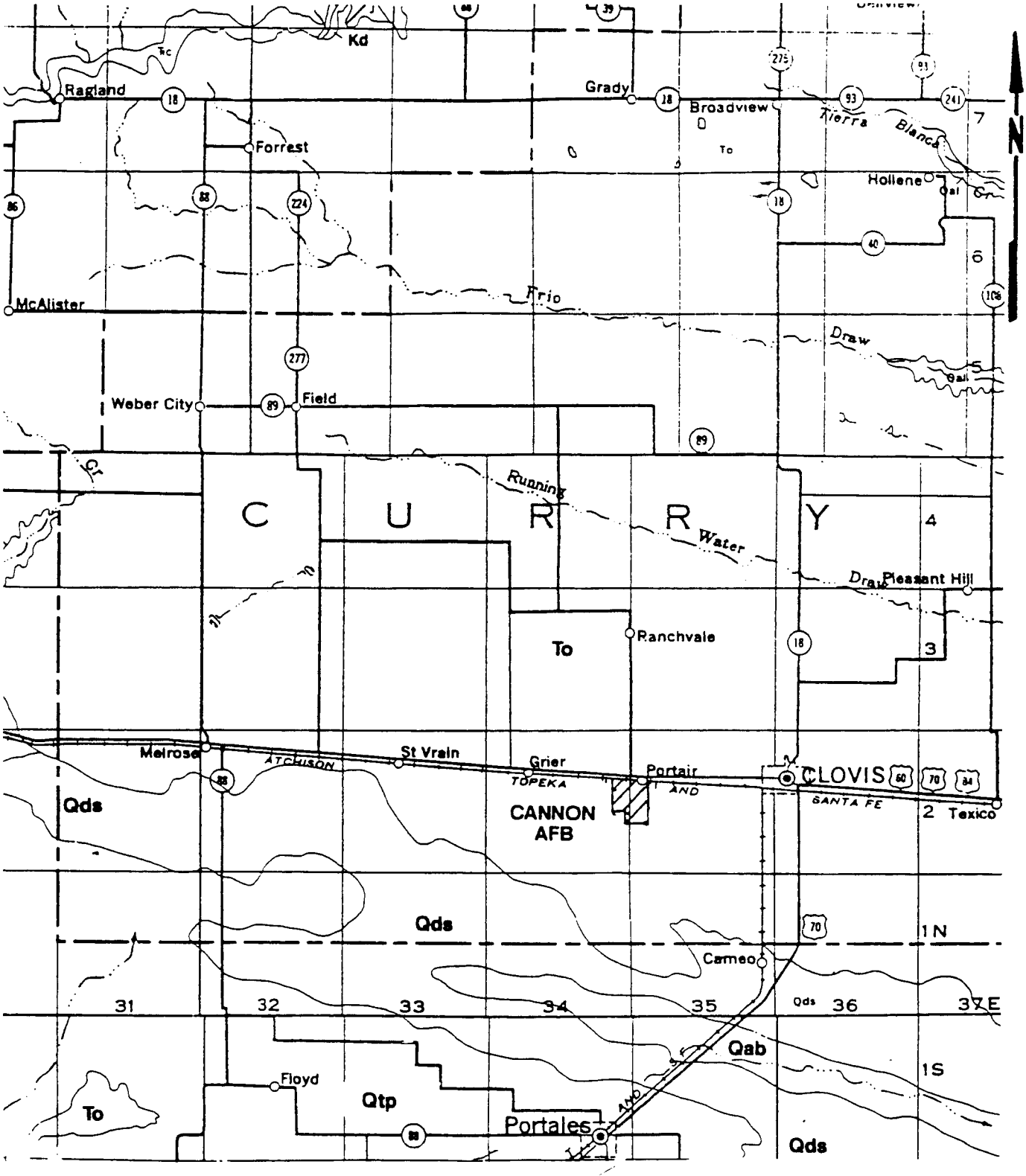

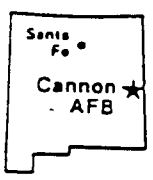

NEW MEXICO

LEGEND

QTp	GRAVEL, SAND & CALICHE
Qds	DUNE SAND
Qab	ALLUVIUM
To	OGALLALA FORMATION

SCALE 0 5 10 Miles

SOURCE: U.S.G.S. GEOLOGIC MAP OF NORTHERN N.M., 1962

HARZA Consulting Engineers and Scientists

Figure 3-3

GENERALIZED GEOLOGIC MAP

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

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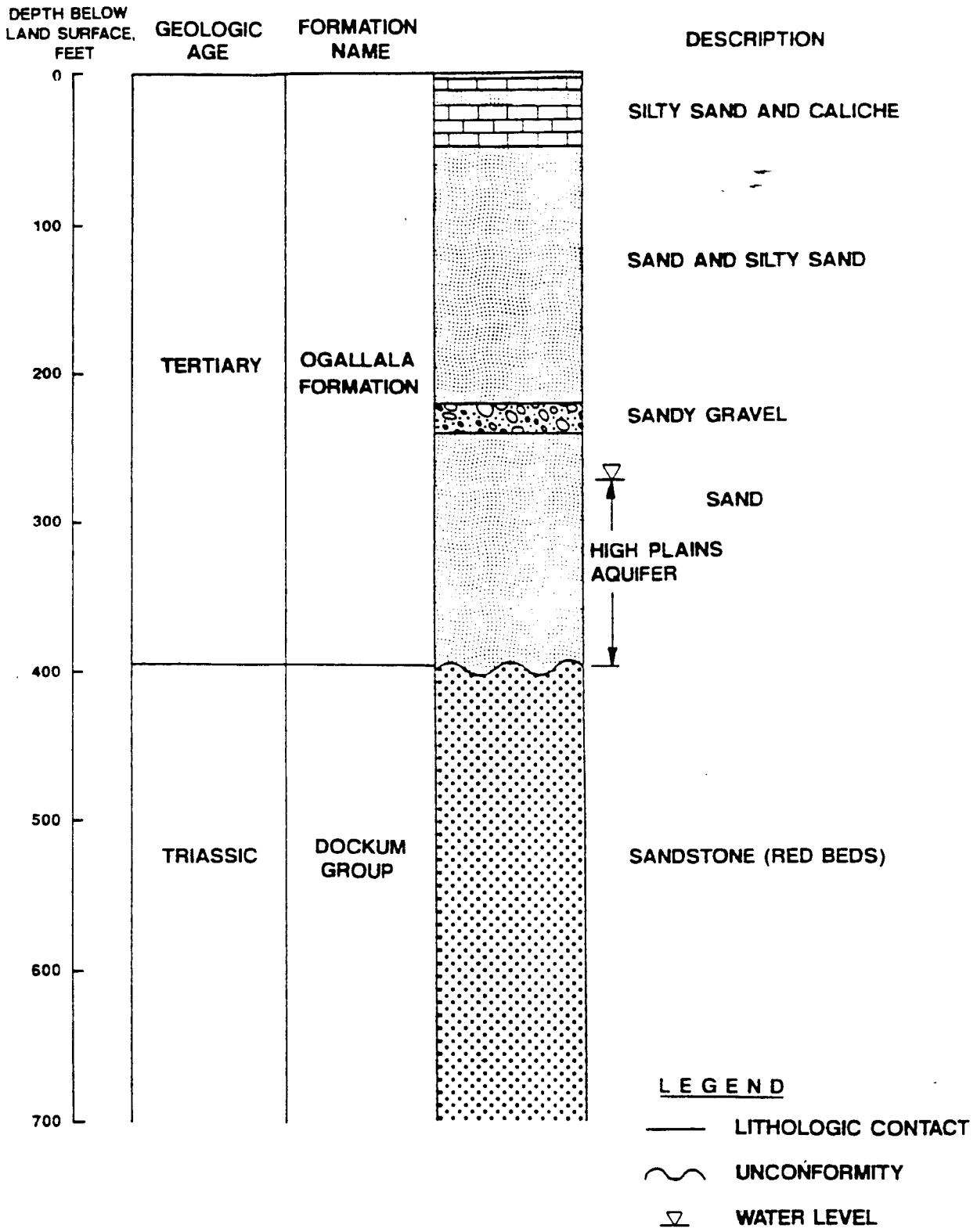

MODIFIED FROM GUTENTAG ET.AL., 1984

SOURCE:
Woodward-Clyde Consultants

Figure 3-4
GENERALIZED GEOLOGIC COLUMN
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

HARZA *Consulting Engineers and Scientists*

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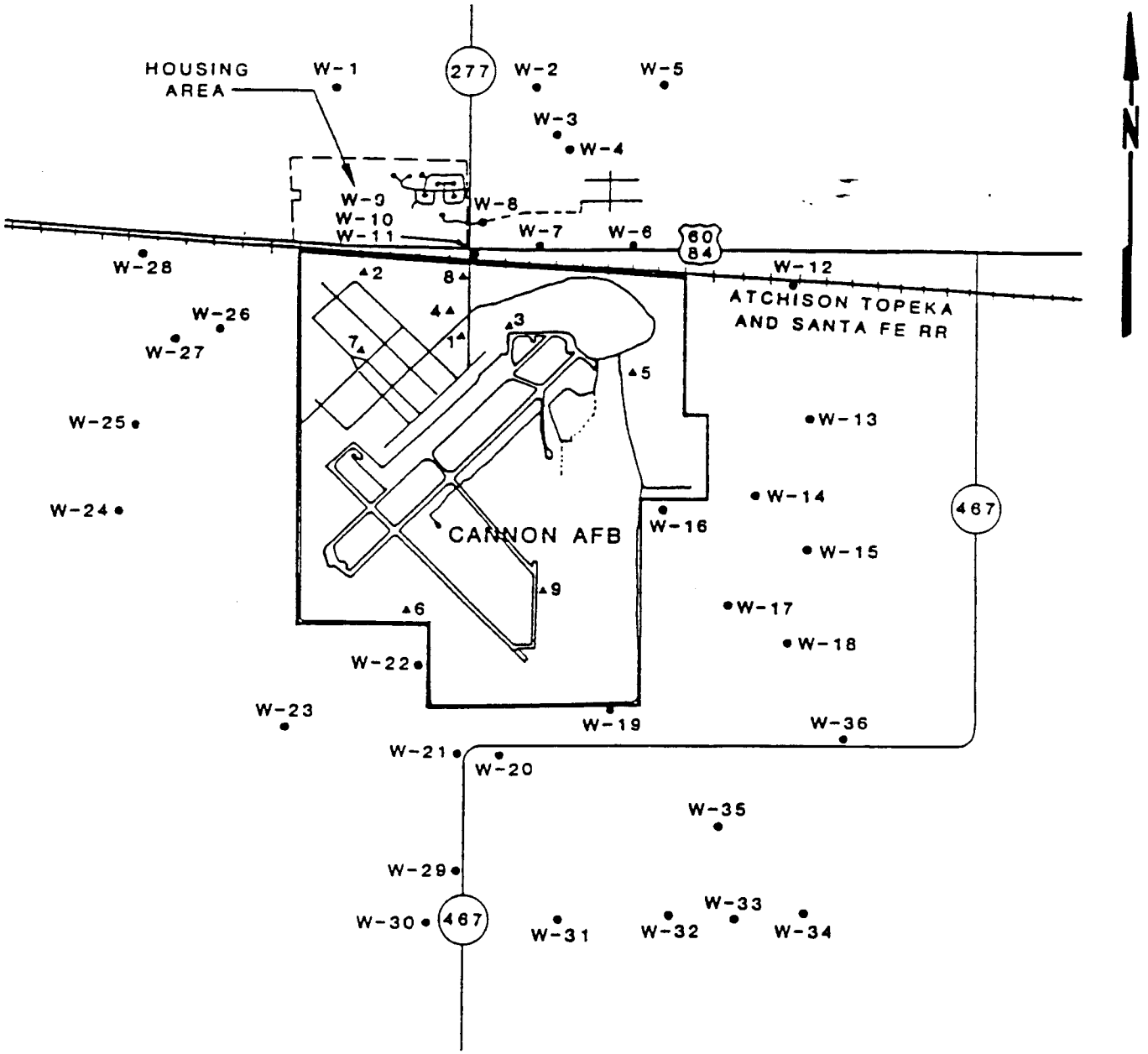

LEGEND

- U.S. Route
- State Route
- Base Water Well
- Vicinity Water Well

SCALE 0 1 2 Miles

BASE MAP ADAPTED FROM:
FINAL REPORT, IRP PHASE II, RADIAN 1986

Figure 3-5
WATER WELL LOCATION MAP
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

HARZA *Consulting Engineers and Scientists*

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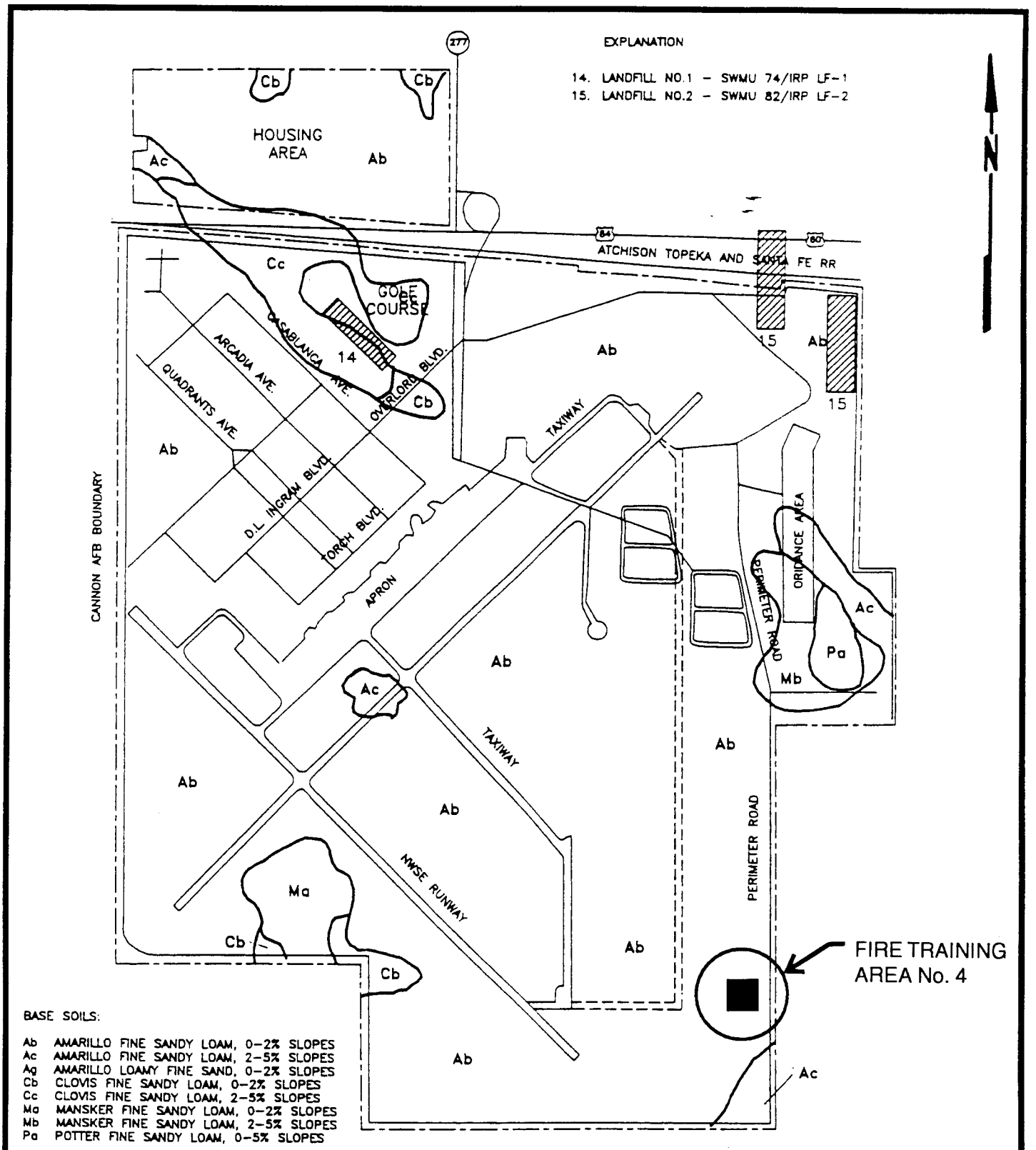

SOURCE: USDA–S.C.S., SOIL SURVEY OF CURRY COUNTY N.M., 1958

BASE MAP ADAPTED FROM: FINAL REPORT. IRP PHASE II, RADIAN 1986

Figure 3-6
SOIL DISTRIBUTION MAP
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

HARZA *Consulting Engineers and Scientists*

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4.0 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

4.0 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Any remedial or corrective action measures which may be required are required to be evaluated to assess the degree to which they attain or exceed applicable and relevant federal and state public health and environmental standards. A discussion of the Applicable or Relevant and Appropriate Requirements (ARARs) applicable to FTA4 is presented below. Review of these ARARs will identify any site-specific regulatory conditions that may limit the choices of remedial alternatives or place limits on contaminant concentrations at the site. The ARARs presented herein are chemical-specific and location-specific. Chemical-specific ARARs are presented for soil media only, as groundwater does not appear to be a pathway for exposure or contaminant transport based on the analytical data obtained at FTA4, the nature and extent discussion (Section 5.0), and the thickness of the unsaturated zone.

4.1 CHEMICAL SPECIFIC ARARS

The chemical-specific ARARs and other criteria or guidelines to be considered are presented in Table 4-1. These requirements are based on health or risk-based concentration limits for specific hazardous chemicals. These requirements may be used to set cleanup levels for the chemicals of concern in the designated media. Sources of potential target cleanup levels include standards, criteria and other guidelines that are typically considered as ARARs for remedial actions under CERCLA, as well as published guidance and proposed action levels developed under RCRA. Additionally, the State of New Mexico has developed soil cleanup levels for underground storage tank remediation.

4.2 LOCATION-SPECIFIC ARARS

Location-specific ARARs are restriction placed on the types of activities that may occur in specific locations. Potential location-specific ARARs are presented in Table 4-2. The location of a site may be an important characteristic in determining its impact on human health and the environment; thus individual states may establish location specific ARARs. Examples of location-specific ARARs include federal and state requirement for the preservation of historic landmarks and endangered species.

4.3 TO BE CONSIDERED MATERIALS

"To be considered" materials (TBCs) are non-promulgated advisories, proposed rules, criteria, or guidance documents issued by federal or state governments that do not have the status of potential ARARs. However, these advisories and guidance are to be considered when determining cleanup levels where no ARARs exist, or where ARARs are not sufficiently protective of human health and the environment. In these circumstances, TBCs are used to establish cleanup levels. TBC screening values for inorganic compounds are provided in Table 4-3.

Table 4-1
Chemical-Specific ARARs/TBCs
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Standard, Requirement, or Criteria	Description	Comment
FEDERAL		
Resource, Conservation, and Recovery Act (RCRA)		
RCRA Facility Investigation Guidance (EPA, 1989)	Guidance levels for cleanup of contaminated soils based on EPA-derived chronic exposure assumptions; intended as screening levels at RCRA facilities to determine if a more detailed health-risk evaluation is warranted.	To be considered if contaminated soils are found.
Proposed RCRA Action Levels (55 FR 30798, 27 July 1990)	Risk-based action levels for contaminants in soil which, if exceeded, would trigger the need for a Corrective Measures Study.	To be considered if contaminated soils are found.
STATE		
New Mexico Hazardous Waste Act 1978		
New Mexico Underground Storage Tank Regulations, amended through July 18, 1991, Section 1209	Sets cleanup levels for soils contaminated with benzene, aromatic hydrocarbons, or petroleum products.	May be "to be considered" if soils are contaminated with benzene, aromatic hydrocarbons, or petroleum products.
New Mexico Solid Waste Regulations		
New Mexico Special Waste Requirements Regulations, adopted effective January 30, 1992, Part VII	Sets disposal levels for soils contaminated with BTEX compounds and total petroleum hydrocarbons. Also sets disposal standards for asbestos waste.	May be "to be considered" if soils are contaminated with petroleum hydrocarbons and are removed and placed elsewhere.

Table 4-2
Location-Specific ARARs
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Requirement	Description	Comments
Endangered Species Act		
[16 USC 1531 et sequence; 50 CFR 200, 50 CFR 402]	Protects endangered species and threatened species and preserves their habitat.	Listed endangered and threatened species are known to inhabit the vicinity of Cannon AFB
Bald Eagle Protection Act		
(16 USC Section 688 et. seq)	Protects all eagle species and restricts activities that may threaten or adversely affect their habitat.	Bald eagles are known to inhabit the vicinity of Cannon AFB
Migratory Bird Treaty Act		
(16 USC Section 703 et. seq).	Protects migratory, resident, or range habitat of migratory birds including raptors and waterfowl.	Remedial actions cannot threaten or adversely affect the habitats of migratory waterfowl or raptors.
National Historic Preservation Act (NHPA)		
[16 USC 470 et seq.; 7 CFR 650; 36 CFR Part 65, Part 800]	Requires the preservation of historic properties included in or eligible for the National Register of Historic Places and to minimize harm to National Historic Landmarks.	Pursuant to Section 106 of NHPA, proposed federal undertaking in any state shall take into consideration the effect of the undertaking on any site, building, structure, or object that is included or eligible for inclusion in the National Register; nothing has been placed on the register to date, but surveys are ongoing. Also applicable if historical sites are discovered during a remedial action or if known historical sites exist near a remedial action site.

TABLE 4-2 (con't)
Location-Specific ARARs
Fire Training Area No. 4
Cannon AFB, New Mexico

Requirement	Description	Comments
The Historic and Archaeological Data Preservation Act of 1974		
(16 USC 469, 40 CFR 6.301(c))	Establishes procedures to provide for preservation of historical and archaeological data which might be destroyed through alteration of terrain as a result of a federal construction project or a federally licensed activity program	May be applicable if remedial activities affect historical and/or undiscovered archaeological data of the site.
The Archaeological Resource Protection Act of 1979		
(16 USC 470aa-47011)	Requires a permit for any excavation or removal of archaeological resources form public or Indian lands	May be applicable if any remedial activity involves removal of archaeological resources; substantive requirements need to be met.
New Mexico Endangered Species Act		
(New Mexico Regulation 682)	Requires coordination with the Department of Game and Fish if activities impact on endangered/ threatened species or their habitat.	State listed threatened/ endangered species have been identified in the vicinity of Cannon AFB.

TABLE 4-2 (con't)
Location-Specific ARARs
Fire Training Area No. 4
Cannon AFB, New Mexico

Requirement	Description	Comments
1978 New Mexico State Cultural Properties Act		
(Sections 18-6-1 through 18-6-17 NMSA 1978)	Provides for the preservation, protection, and enhancement of structures, sites, and objects of historical significance within the State.	Although the Cannon AFB site, including its properties/buildings are not listed on the State Register of Historic Places, coordination with the State Historic Preservation Office is required with respect to historical and archeological surveys

Table 4-3
To Be Considered Materials for COPCs[1]
Fire Training Area No. 4
Cannon AFB, New Mexico

Compound	MSSL for Soil[2] (mg/kg)	BTAG for Soil[3] (μg/kg)	Average Background Concentration[4] (mg/kg)	Range of Background Concentrations[5] (mg/kg)
Barium	5300	-	166	0 - 642
Beryllium	0.14	20	0.41	0.09 - 0.73
Manganese	380	-	72	0 - 164
Zinc	-	10,000	11.3	0.72 - 21.9
Benzo(a)pyrene	0.06	-	-	-
Benzo(b)fluoranthene	6.1	-	-	-
Fluoranthene	-	100	-	-
Phenanthrene	-	100	-	-
Pyrene	-	100	-	-

1. Chemicals of Potential Concern (COPCs) for human health are barium, beryllium, manganese, benzo(a)pyrene, and benzo(b)fluoranthene. Chemical of Ecological Concern (COEC) are beryllium, lead, zinc, fluoranthene, phenanthrene, and pyrene.
2. USEPA Region 6 Media-Specific Screening Levels for residential soils. Only those COPCs pertaining to human health are reported here.
3. Biological Technical Advisory Group (BTAG, USEPA Region III). Only those COPCs pertaining to ecoreceptors are reported here.
4 Source: Woodward-Clyde Consultants, 1993.
5. Average $\pm$ 2 standard deviations

5.0 INVESTIGATION RESULTS

5.0 INVESTIGATION RESULTS

Field investigations by Harza at Fire Training Area No. 4 were conducted between October 16, 1996 and October 30, 1996, and between February 19, 1997 and February 26, 1997. The investigation activities were completed as described in the RFI Work Plan (Harza 1996), except as noted in this report. Investigations included:

- Passive soil gas survey to better delineate the lateral extent of contamination and provide information used to select boring locations.
- Drilling of nineteen (19) soil borings for the collection of surface and subsurface soil samples;
- Collection and analysis of 77 soil samples and associated quality assurance/quality control (QA/QC) samples for laboratory chemical analysis, headspace analysis, and immunoassay screening;
- Collection and testing of 12 soil samples for particle size analysis and moisture content;
- Collection of continuous soil samples from each boring for lithologic description.

This section summarizes site conditions and presents and summarizes results of the investigations.

5.1 SITE DESCRIPTION

FTA4 is located near the southeast corner of Cannon AFB approximately 2,000 feet southeast of the end of Runway 31. Between 1961 and 1974, Fire Training Area No. 4 was reportedly used for fuel truck cleaning. In 1974, it was activated as a fire training area and was actively used for this purpose until 1995. Fire Training Area No. 4 is comprised of four Solid Waste Management Units (SWMUs):

- SWMU No. 109 - Fire Training Pit
- SWMU No. 110 - Underground Waste Oil Tank #2336
- SWMU No. 111 - Unlined Pit; and
- SWMU No. 112 - Oil/Water Separator #2336

A map showing SWMU locations and existing site features is included as Figure 5-1. SWMU No. 109 consists of a concrete lined pit and berm. A mock airplane was formerly located in the center of the pit and was used for fire training exercises. The pit contains internal drainage features such that excess fuel/water was drained to the oil-water separator (SWMU No. 112) in the northeast part of the site. The oil-water separator was activated in 1985, allegedly at the location of the former unlined pit (SWMU No. 111). Prior to 1985, the unlined pit had been used to collect runoff from the area after fires were extinguished during fire training exercises. The underground waste oil tank (SWMU No. 110) was a 2,000 gallon storage tank used to store recovered JP-4 fuel for use during fire training exercises. The tank has been removed and soil from around the tank is currently being land farmed on a plot adjacent to the westernmost site access gate. To prevent the downward migration of contaminants, the land farmed soil was placed on top of heavy gauge

plastic. During some, but not all fire training exercises, the ground reportedly was saturated with water.

Historic usage records indicate no evidence that Cannon AFB, including Fire Training Area No. 4 was used for activities involving uncommon hazardous constituents or industrial formulations. Rather, the activities at FTA4 were related to fire training exercises utilizing JP-4 and other appropriate materials generated by routine maintenance tasks elsewhere at Cannon AFB, such as cleaning engines, painting and repainting, paint stripping, and aircraft maintenance. Reportedly, fuel was introduced to the ground surface between 1961 and 1974 for fire training exercises. From 1974 to 1975, co-mingled waste oils, solvents, and recovered JP-4 were used. Between 1975 and 1995, only recovered JP-4 had reportedly been used.

Based on the historical uses of the area, potential contaminants at FTA4 fall into the general categories of fuels, solvents, and waste petroleum oil and lubricants (POL), and include the following:

- Inorganics
  - heavy metals
- Organics
  - volatile organic compounds (VOCs)
  - semi-volatile organic compounds (SVOCs)
  - halogenated solvents

5.2 SOILS

Soils underlying FTA4 consist of sandy loam and loamy sand of the Amarillo Soil group. The soils consist primarily of a fine-grained, well sorted silty/clayey, unconsolidated brown/reddish brown sand. Such soils are generally classified as SM (silty sand) to SC (clayey sand) under the Unified Soil Classification System (ASTM D 2488).

5.3 STRATIGRAPHY

The near-surface (upper 90 feet) stratigraphy at FTA4 consists of Miocene to Pliocene fluvial deposits of the Ogallala Formation. Two geologic cross-sections, A-A' and B-B' (Figures 5-3 and 5-4), were constructed using information on the lithologic boring logs from this RFI. Cross-section A-A' is oriented west-east and cross-section B-B' is oriented north-south. The locations of the cross-section are indicated in Figure 5-2.

FTA4 is underlain by Ogallala fluvial deposits consisting primarily of well sorted sand classified as SM (silty sand) to SC (clayey sand) using the Unified Soil Classification System. The total thickness of these Ogallala deposits beneath the site is not known, as bedrock was not encountered during field investigation activities. Based on available regional information, they may be as thick as 390 feet.

Geologic materials underlying FTA4 are relatively homogeneous, consisting of dense, generally brown, tan, or gray, fine sand, silt, and clay admixtures. The granular soils generally are uncemented, but contain sporadic caliche layers and more extensive zones containing caliche-cemented nodules.

Two lithologic units may be distinguished from the cross-sections and results of geotechnical testing, consisting of a comparatively coarser grained silty sand overlain by comparatively finer grained silt and clayey sand mixtures. Locally, as in boring SB04, slightly coarser silty sand also is present at the surface.

The lower deposit is field classified as predominantly silty sand (SM) with lesser percentages of silt and clay. It extends from depths between about 6 and 44 feet to the maximum drilled depth (90 feet). Geotechnical testing (grain size and moisture content) was performed on nine samples from this unit at depths ranging from 19 to 56 feet. Results indicate that samples from this lower unit were generally comprised of approximately 55 to 72 percent sand, 14 to 29 percent silt, and 5 to 29 percent clay, with a moisture content ranging from 6 and 14.9 percent.

The upper deposit overlies the silty sands in most locations, extending from the ground surface to depths between approximately 6 and 44 feet, generally averaging about 20 feet. These deposits consist predominantly of silt/clay mixtures with lesser percentages of sand and are more variable in thickness and consistency. Three samples were collected for geotechnical testing from this unit at depth ranging from 3 to 9. Results indicate that these samples were generally comprised of approximately 30 to 35 percent sand, 17 to 21 percent silt, and 48 to 49 percent clay, with a moisture content ranging from 11.4 to 21.3 percent.

5.3 GROUNDWATER

No groundwater was encountered at FTA4 to the maximum drilled depth of 90 feet. Groundwater reportedly occurs at a depth between 240 feet and 295 feet beneath Cannon AFB.

5.4 NATURE AND EXTENT OF CONTAMINATION

This section summarizes the nature and extent of contamination identified at FTA4. The discussion is organized by media investigated, including soil gas and surface and subsurface soils, which, by the distribution and nature of contamination, may be of potential concern from a human health, environmental, or regulatory standpoint. The human health and ecological risk assessments (Sections 6.0 and 7.0, respectively) identify these concerns if they exist.

For clarity, the term contamination is used herein to describe detectable concentrations of chemical compounds that do not occur naturally in the environment or that may be present above site background concentrations. The baseline risk assessment performed as part of this RFI defines the potential risk to public health and the environment and were primary considerations, along with ARARs, in determining whether or not corrective measures or additional investigations are warranted.

Soil was the primary media investigated as part of the RFI. Soil sampling completed during the RFI investigated the vertical and horizontal extent of contamination and the four SWMUs within FTA4. Potential impacts to groundwater are not likely since the Ogallala aquifer is found at a depth of approximately 270 feet. No monitoring wells exist within the boundary of FTA4 and groundwater was not encountered during the field investigations.

5.4.1 Soil Gas

The Passive Soil Gas Survey (PSGS) was conducted to evaluate the lateral extent and distribution of contamination by volatile and semi-volatile organic compounds. The results of the PSGS were used to provide information for the placement of soil borings for surface and subsurface soil sampling.

The PSGS consisted of installing 44 soil gas screening modules (including four field duplicate modules) at 40 sampling locations identified as SG1 through SG40 in Figure 5-5. Modules were installed on a 50-ft grid referenced to the fire training pit (SWMU No. 109). Sample locations were placed between 0.5 and 0.8 feet west of each grid survey stake, which varied with location. At four locations, duplicate screening modules were installed for QC testing purposes. Duplicate samples were located between 0.5 and 0.7 feet west of the corresponding field sample. Modules were installed over a 2-day period beginning on October 16, 1996, left in-place to react with soil gases for a period of approximately two weeks, and retrieved on October 30, 1996. The actual time of installation and retrieval of each module is summarized in Table 5-1. All of the screening modules were recovered and analyzed except module #128666 at location SG34, which could not be retrieved due to a break in the retrieval cord approximately 2.5 feet below the ground surface. After completion of sampling activities, the dimensions and locations of aboveground physical features were verified from existing site maps and an updated site plan was prepared.

Retrieved modules were analyzed by W.L. Gore & Associates for selected target volatile organic and semi-volatile organic compounds, as follows:

- methyl t-butyl ether
- trans-1,2-dichloroethene
- 1,1-dichloroethene
- cis-1,2-dichloroethene
- chloroform
- 1,1,1-trichloroethane
- 1,2-dichloroethane
- benzene
- trichloroethene
- toluene
- octane
- tetrachloroethene
- chlorobenzene
- ethylbenzene

- m-, p-, o-xylene
- 1,3,5-trimethylbenzene
- 1,2,4-trimethylbenzene
- 1,4-dichlorobenzene
- carbon tetrachloride
- undecane, tridecane, and pentadecane (Diesel Range Organics)
- napthalene
- 2-methylnapthalene

Soil gas analytical data for individual target compounds are summarized in Table 5-2 and a copy of the GORE-SORBER^{SM} Screening Survey Final Report prepared by W.L. Gore & Associates is provided in Appendix E. Results indicate that the following individual compounds and groups of compounds were detected in field samples with the greatest relative frequency:

- undecane
- tridecane
- pentadecane
- total target diesel range organics (DRO)
- tetrachloroethene
- total target volatile organics
- toluene

Toluene was detected in all field samples with the exception of module #128640 at location SG11, but also in quality control samples (trip blanks). Review of the toluene data indicated that detected concentrations in field samples and the trip blanks were within five times (5x) the trip blank concentrations, except for one sample. According to data validation procedures in *Data Quality Review Guidelines, USEPA, 1994*, any detected volatile compound, that was also detected in any associated blank, is qualified if the sample concentration is less than five times (5x) the blank concentration and should be considered and reported as not detected. Therefore, toluene data is not considered usable for evaluation purposes.

Results of the Passive Soil Gas Survey are illustrated on isoconcentration maps included as Figures 5-6, 5-7 and 5-8. For illustration purposes and based on the relative frequency of detection, isoconcentration maps were prepared for the following individual compounds or groups of compounds:

- Total target volatile organics *(combined masses of methyl t-butyl ether, trans-1,2-dichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane, benzene, ethylbenzene, xylene, carbon tetrachloride, trichloroethene, tetrachloroethene, chlorobenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene and 1,4-dichlorobenzene)*
- Total target diesel range organics *(combined masses of undecane, tridecane, and pentadecane*
- Tetrachloroethene

The isoconcentration contours on these maps are representative of other target compounds. The highest relative concentrations of volatile organics and diesel range organics in soil gas were found within and immediately adjacent to the fire training pit (SWMU No 109). Figure 5-6 shows that volatile organic soil gas concentrations generally decrease with lateral distance from the fire training pit area with equivalent concentration contours skewed to the south and east. Figure 5-7 shows a similar focus of diesel range organic soil gas concentrations, although relatively higher concentrations extend north/northwest toward locations SG31 and SG32, and northeast toward location SG20. An anomalous area of concentrations of target volatile and diesel range organics in soil gas is also noted at location SG35. Figure 5-8 indicates that the area with the highest relative concentrations of tetrachloroethene in soil gas is located southeast of the fire training pit (SWMU No. 109). In contrast, tetrachloroethene was not detected in soil gas within the fire training pit and several adjacent locations (SG15 and SG16). An anomalous area of tetrachloroethene in soil gas is noted near locations SG18 and SG07 adjacent to SWMU No. 100.

Principal conclusions derived from the results of the passive soil gas survey are as follows:

- Frequently detected target compounds and groups of compounds in soil gas at FTA4 include total target volatile organics, total target diesel range organics (undecane, tridecane, and pentadecane), and tetrachloroethene.

- Target compounds detected in soil gas at FTA4, but at a relatively low frequency include methyl t-butyl ether, trans-1,2-dichloroethene, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, benzene, trichloroethene, octane, chlorobenzene, ethylbenzene, xylene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene, naphthalene, and 2-methyl naphthalene.

- The highest relative soil gas concentrations of target volatile organics and diesel range organics correlate with the location of the fire training pit (SWMU No.109).

- The highest relative soil gas concentrations of tetrachloroethene are located southeast of the fire training pit (SWMU No. 109).

- Frequently detected compounds in soil gas extend beyond the limits of the survey area.

5.4.2 Surface and Subsurface Soil

The objective of the subsurface drilling and sampling program was to identify the type and concentration of hazardous waste or hazardous waste constituents which may be present at FTA4. The data obtained were used to identify contaminants of concern, delineate the vertical and lateral extent of contamination in each contaminated media, determine the fate and transport characteristics of each contaminant of concern, perform a human health and environmental assessment to determine if site conditions pose a risk to human health or the environment

according to USEPA policy, and support a decision for no further action or the selection of corrective measures/remedial alternatives and remedial design.

Based on the passive soil gas results a total of nineteen (19) soil borings initially were drilled and sampled using Rotosonic methods at locations determined jointly by USACE, Cannon AFB, USEPA, NMED. Locations are shown in Figure 5-5. Soil boring locations SB01 through SB13 were selected based on the PSGS and were drilled initially. Specific locations were selected to characterize conditions across FTA4 and in individual SWMUs. The rationale for boring locations is as follows:

- SB01 was placed near SG14 in the area with the highest concentrations of total detected target compounds. This boring was completed primarily to define the vertical extent of contamination near the suspected contaminant source.
- SB02 and SB03 were completed near the west access road northwest of the fire training pit to examine anomalous concentrations of DRO and VOCs in soil gas.
- SB04, SB05, and SB06 were completed north/northeast of the fire training pit, where previous analytical data indicated the presence of DRO beyond the limits of the survey area.
- SB07, SB08, and SB09 were completed southeast and southwest of the fire training pit, where analytical data indicates total VOCs and tetrachloroethane soil gas concentrations extend beyond the limits of the survey area.
- SB10 was completed west of the soil gas survey area where analytical data suggested relatively high total volatile organics and tetrachloroethane soil gas concentrations extend beyond the limits of the survey area.
- SB11 was completed northeast of the fire training pit to delineate lateral and vertical extent in the area of anticipated contamination at SWMU 109.
- SB12 was completed west of the fire training pit at the former underground waste oil tank (SWMU No. 110).
- Soil boring 13 was completed to delineate the extent of contamination on the eastern site boundary.

Following completion of the initial borings, six (6) additional locations (SB14 through SB19), were selected to further delineate the horizontal and vertical extent of contamination. Based on the initial field results, borings SB14, SB15, and SB16 were selected in consultation with USACE.

- SB14 was drilled within the former oil/water separator to determine the nature and extent of contamination within this utility.
- SB15 and SB16 were drilled southwest and east of the fire training pit (SWMU No. 109), to more closely define the extent of contamination identified in SB01.

Based on these field results, soil borings SB17, SB18, and SB19 were located in consultation between USACE, NMED, and Harza. These borings were placed within approximately 50 to 75 feet of SB01 to delineate the extent of contamination more closely toward the west, southeast, and north, respectively, of SB01. These three borings were specified to be drilled to a minimum depth of 60 feet, each.

Soil borings were drilled over a eight day period beginning on February 19, 1997 and completed on February 26, 1997. A summary of subsurface drilling and sampling activities is provided in Table 5-3. Soil boring logs are provided in Appendix C. Drilling was performed by Alliance Environmental Inc., of Marietta, Ohio using a truck mounted drill rig and Rotosonic drilling methods. Potable water was added, as required, during the advancement of the outer drill pipe to flush out cuttings in the annular space between the inner and outer drill pipe. This added potable water was lost to the formation. No bentonite, polymers, or other additives or viscosifying agents were added to water introduced into the borehole during drilling. Intact surface and subsurface soil samples were taken for physical description, headspace screening, immunoassay screening, chemical analysis, and geotechnical testing. Samples were recovered on a continuous basis from the ground surface to the terminal depth of each boring.

Preliminary ("informal") headspace screening was performed at 1-foot intervals along the sample and readings recorded in column 'd' of the boring log. The 1-foot interval with the highest headspace reading in each 10-foot interval was selected for final ("formal") headspace screening (recorded in column 'h' of the boring log), chemical analysis, and immunoassay screening.

A total of fifty nine (59) subsurface soil samples were collected for field immunoassay screening for TRPHs. Copies of the field analytical data sheets are included in Appendix B and results are summarized in Table 5-4. Except for borings SB17, SB18, and SB19, which were specified to minimum depths of 60 ft, the terminal depth of the borings was determined in the field at the depth at which two consecutive non-detect results were obtained from the immunoassay screening. Results of the field immunoassay screening were recorded on PETRO-RISc® Soil Test Data Sheets (Appendix B) and on the soil boring logs (Appendix C).

A total of seventy seven (77) surface and subsurface soil samples were collected at FTA4 for laboratory chemical analysis and analyzed for volatile organic compounds, semi-volatile organic compounds, cyanide, TRPHs, and target analyte list metals. Analysis was performed by Applied Research and Development Laboratory (ARDL), of Mt. Vernon, Illinois. Analytical parameters and methods were as follows:

- Volatile organic compounds (SW-846 Method 8260A);
- Semi-volatile organic compounds (SW-846 Method 8270B);
- Cyanide (SW-846 Method 9012);
- Target analyte list metals (SW-846 Methods 6010, 7061, 7421, 7470, 7741, 7841, 9012)
- Total recoverable petroleum hydrocarbons (SW-846 Method 9071/418.1)

Copies of the analytical data reports are provided in Appendix F and results are summarized in Tables 5-5 through 5-13 Detections above the method detection limits have been shaded in the tables.

A representative soil sample from each 10 foot boring interval also was retained for possible geotechnical analysis. Based on laboratory analytical results and soil types, selected samples were

submitted later for particle size analysis and moisture content testing. Geotechnical testing was performed by Testing Service Corporation (TSC), Carol Stream, Illinois and included particle size analysis (ASTM D-421 and ASTM D-422) and moisture content (ASTM D-2216).

5.4.2.1 Volatile Organic Compounds

Volatile organic compounds were detected with the greatest frequency and highest concentrations at SWMU No. 109 (boring SB01). Volatile organic compounds, at lower concentrations (generally below the method reporting limits or MRLs) and lower frequency of detection, were also detected in borings SB02, SB06, SB07, SB11, and SB12. Total VOCs are plotted in vertical profile in Figures 5-10 and 5-11 (profile locations are shown in Figure 5-9). Total concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) are plotted in profile in Figures 5-12 and 5-13. VOCs detected above the MDLs in individual samples are summarized in Tables 5-5 through 5-13. In the following, however, only those compounds that were above the method reporting limits are discussed. "Detection" hereafter refers to concentrations above the MRLs.

Of the 19 soil borings, only SB01 contained detectable VOCs, which included toluene, ethylbenzene, m&p-xylene, o-xylene, isopropylbenzene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropyltoluene, n-butylbenzene, 1,2-dibromo-3-chloropropane, naphthalene, and 2-butanone. Individual detections in boring SB01 were recorded at depths of 3 feet, 19 feet, 27 feet, 38 feet, 42 feet, 55 feet, and 65 feet. Where detected, concentrations of individual compounds ranged as follows:

- toluene (17.4 - 4,370 μg/kg);
- ethylbenzene (34.6 - 7,230 μg/kg)
- m&p-xylene (166 - 34,100 μg/kg);
- o-xylene (81.1 - 18,900 μg/kg);
- isopropylbenzene (16.6 - 1,940 μg/kg);
- n-propylbenzene (29.3 - 4,450 μg/kg);
- 1,3,5-trimethylbenzene (92.6 - 15,500 μg/kg);
- 1,2,4-trimethylbenzene (11.2-41,800 μg/kg);
- sec-butylbenzene (15.6 μg/kg);
- p-isopropyltoluene (51.8 - 9,530 μg/kg);
- n-butylbenzene (26.2 - 4,620 μg/kg);
- naphthalene (10.7 - 8,580 μg/kg); and
- 2-butanone (89.8 μg/kg).

Previous investigations by Walk, Haydel and Associates (1987) suggest the presence of volatile organic compounds to depths greater than 100 feet in proximity to SWMU No. 110 (Appendix A). However, this analytical also indicated the presence of volatile organic compounds in the drilling mud at concentrations generally consistent with the field data, which questions the validity of the field data obtained. Data collected by Harza at soil boring SB12, drilled in proximity to SWMU No. 110, indicates that contamination by volatile organic compounds is limited to surface and near-surface soils (upper 20 feet).

Previous investigations by Woodward-Clyde Consultants (1991) indicates concentrations of ethylbenzene (19000 μg/kg) and xylene (4100 and 290000 μg/kg) in proximity to SWMU No. 109 at a depth of 4 to 6 feet in borings 1098 and 1097, respectively (Appendix A). Data obtained by Harza (1997) in this general area (boring SB01) also indicate detectable concentrations of ethylbenzene and xylene, but at lower detected concentrations.

5.4.2.2 Semi-Volatile Organic Compounds

like VOCs, semi-volatile organic compounds were detected only in boring SB01 (SWMU No. 109) and only two chemicals were found:naphthalene and 2-methylnaphthalene. Results of specific analytes in individual samples are summarized in Tables 5-5 through 5-13. Results with depth are plotted in vertical profiles in Figures 5-14 and 5-15.

Detection of naphthalene and 2-methylnaphthalene occurred in five instances, in soil boring SB01 at depths of 3 feet, 19 feet, 27 feet, 38 feet, and 42 feet. Detected concentrations in these samples ranged as follows: naphthalene (586 - 3,800 μg/kg) and 2-methylnaphthalene (3,500 - 11,700 μg/kg).

5.4.2.3 Cyanide

Cyanide was not detected in any sample analyzed as part of this RFI.

5.4.2.4 Total Recoverable Petroleum Hydrocarbons

Laboratory analytical data indicates that TRPH was detected in all nineteen (19) soil borings drilled as part of this RFI. Detected concentrations of TRPHs in individual samples are summarized in Tables 5-5 through 5-13. TRPH results with depth in the borings are plotted in Figures 5-16 and 5-17.

The highest concentrations of TRPHs were detected in borings drilled near SWMU No. 109 (SB01, SB19, SB04, and SB11) and SWMU No. 111/112 (SB14). The highest concentrations were detected in boring SB01 at a depth of 19 feet (5,560 mg/kg), boring SB19 at a depth of 4 feet (1,530 mg/kg), boring SB04 in the surface sample (3,270 mg/kg), boring SB11 in the surface sample (14,400 mg/kg), and boring SB14 in the surface sample (1,040 mg/kg).

Detected concentrations of TRPHs generally decrease rapidly with depth, with the highest relative concentration in each boring detected in surficial or near-surface samples (within the upper 4 feet). This is seen in all borings with exception of boring SB01 where the highest detected concentration of TRPHs was detected at a depth of 19 feet and concentrations greater than 1,000 mg/kg were detected to a depth of 42 feet.

Previous investigations by Woodward-Clyde Consultants (1991) indicates detectable concentrations of TRPHs in proximity to SWMU No. 111/112 at a depth of 0-0.5 feet (27.3 mg/kg) in boring 1091 and at a depth of 5-7 feet (56.6 mg/kg) in boring 1095 (Appendix A and Figure 5-9). This

data is comparable with data obtained by Harza during this RFI in soil boring SB14. Data obtained by Woodward-Clyde Consultants (1991) also indicates detectable concentrations of TRPHs near SWMU No. 109 in soil borings 1093, 1097, 1094, and 1098 (Appendix A and Figure 5-4). This data is comparable with data obtained by Harza during this RFI, although detected concentrations of TRPHs in soil boring SB01 are lower than detected concentrations in borings 1093, 1097, 1094, and 1098.

As discussed before, the field immunoassay screening was intended to guide the terminal depths for the soil borings. Because the field immuniassay screening could only determine wether TPH concentration in a sample is greater or less than 10 mg/kg, a quantitative comparison between the immuniassay data and the fixed lab data for TRPHs is not possible. Nerverthless, the immuniassay results for TRPHs still provide useful information on whether additional samples should be taken to define the extent of contamination, if the screening test results correlate with the confirmation results from fixed lab. A comparison between the screening results and the fixed lab for TRPHs at each of the sampling locations at FTA4 is presented in Table 5-16. It should be noted that the method detection limit (MDL) for TPH from the fixed lab was about 16.5 mg/kg and that of immuniassay screenng method was 10 mg/kg. As shown in the table, there is a positive correlation between the results. Those samples that had nondetectable TPH (i.e., < 10 mg/kg) by the immuniassay method also showed nondetects by the fixed lab (< 16.5 mg/kg). Conversely, those samples containing detectable TRPHs by the immuniassays also had relatively high levels of TRPHs. Briefly, detectable concentrations (greater than 10 ppm) TRPHs were found in soil borings SB01 and SB12. In boring SB01, TRPHs were detected to a depth of 65 feet. Samples collected from boring SB01 from depths of 65 feet and 73 feet indicated non-detectable concentrations (less than 10 ppm). In boring SB12, TRPHs were detected at a depth of 10 feet. Samples collected from boring SB12 at a depth of 2 feet, 21 feet, and 31 feet indicated non-detectable concentrations. TRPHs were not detected in any other sample using field immunoassay screening methods. Comparison of the field immunoassay screening data with laboratory analytical data indicates a positive qualitative correlation.

5.4.2.5 Target Analyte List Metals

Analytical results indicated detectable concentrations of target analyte list metals in each of the nineteen (19) soil borings drilled as part of this RFI. Where detected, concentrations of individual compounds ranged as follows:

- aluminum (1,230 - 9,990 mg/kg);
- antimony (2.3 - 6.2 mg/kg);
- arsenic (0.6-3.3 mg/kg);
- barium (15.3 - 1,250 mg/kg);
- beryllium (0.15 - 0.74 mg/kg);
- calcium (1,680 - 253,000 mg/kg);
- chromium (2.2 - 20.9 mg/kg);
- cobalt (1.1 - 5.4 mg/kg);
- copper (1.1 - 8.4 mg/kg);

antimony <1
barium 500
lead 15
manganese 500
selenium .3

- iron (1,830 - 10,700 mg/kg);
- lead (0.91 - 21.5 mg/kg);
- magnesium (702 - 5,300 mg/kg);
- manganese (18.8 - 1,350 mg/kg);
- nickel (2.9 mg/kg - 10.7 mg/kg);
- potassium (285 - 2,360 mg/kg);
- selenium (0.067 - 0.69);
- sodium (51.3 - 860 mg/kg);
- thallium (0.12 mg/kg);
- vanadium (4.2 - 24.7 mg/kg); and
- zinc (4.5 - 27.6 mg/kg)

The detected concentration range for individual borings is presented in Tables 5-5 through 5-13.

The results for metal analysis in surface and subsurface soil samples indicate that there is generally a trend of decreasing concentration with depth. This trend is noticeable in all soil borings for most of the metals analyzed (i.e. aluminum, beryllium, chromium, cobalt, copper, lead, manganese, vanadium, zinc) and is especially evident in soil borings sampled to greater depths (i.e. SB01, SB17, SB18, SB19). Occasionally, concentrations of a few metals (i.e. magnesium and sodium) increase at depth below the ground surface, reversing the trend of decreasing concentration with depth. Such trend changes may result in variations in stratigraphy (e.g., the presence of caliche, variations in clay content) where soil chemisty would be expected to change.

A comparison of the detected metals with regional and Cannon AFB background concentration ranges (Table 5-15) indicate that eleven (11) different metals were detected at concentrations which are not within the estimated background concentration range at Cannon AFB. The following metals had detected concentrations not within the background concentration range for Cannon AFB soils: barium, beryllium, calcium, chromium, cobalt, iron, lead, manganese, nickel, silver, and zinc.

Of these, barium, beryllium, manganese, and zinc were identified as COPCs for human health or ecological risk assessment (see Sections 7.0 and 8.0). Therefore, concentrations of these four metals were plotted in vertical profile in Figures 5-18 through 5-25 to evaluate their vertical and lateral distribution. From these figures, most of these elevated metal concentrations occur at the ground surface or within soils with a high silt/clay content. The trend of decreasing concentrations at depth below the ground surface appears to coincide with the presence of soils with increased silt and clay content. Additionally, comparison of the detected concentrations for each of these eleven metals with the background concentration ranges indicates that, in general, the detected concentrations only marginally exceed background concentrations.

5.5 SUMMARY OF THE PSGS AND ANALYTICAL RESULTS

Figures 5-10 through 5-25 show the vertical distributions of total VOCs, BTEX, total SVOCs (BNAs), TPH, and metals that are of human health or ecological concern. VOCs that are above

MRLs were only present in SB01, with total VOC concentrations ranging from 27.2 to 145,440 μg/kg, and to the depth of 65 ft. SVOCs were detected above the MRLs in borings SB01 and SB16. SVOCs were mainly present in SB01, having concentrations varying from 180.5 to 17,089 μg/kg to a depth about 80 ft. However, most of the SVOCs were found between the soil surface and 40 ft in boring SB01 and above 10 ft in boring 16. Similarly, BTEX were also detected only in SB01,with concentration ranging from 299.1 to 63,640 μg/kg. TRPHs were detected in all soil borings. However, high levels of TRPHs were only limited to SB01. Unlike the organics, metals were present in all soil borings.

The purpose of the PSGS was to identify "hot" spots and guide subsequent boring and sampling locations. The passive soil gas data and the data from the fixed laboratory (ARDL) are summarized in Tables 5-2 and 5-6 through 5-14, respectively. A good correlation between these two types of data would indicate that the soil gas data provided helpful information on selecting sampling locations that would effectively delineate the nature and extent of contamination. It is noted that: (1) comparison of PSGS data to fixed laboratory data is only applicable for the upper 3 feet, as the soil gas screening modules were buried at a depth of 30 inches; (2) Soil gas concentrations for a given chemical can be positively, but only qualitatively, related to that of the same chemicals on the solid phase of the soil (μg/kg); (3) only part of the VOCs and SVOCs that can be quantified by fixed lab could be identified and determined by the soil gas method and vice versa; and (4) the sampling locations for the passive soil gas and the fixed laboratory analysis were not exact the same. Therefore, only a qualitative comparison is possible.

With the above limitations in mind, the fixed laboratory data are, in general, consistent with the passive soil results and provided appropriate guidance in locating soil borings (Figure 5-26). The PSGS indicated that the highest relative concentrations of VOCs and diesel range organics in soil gas were located within and immediately adjacent to the fire training pit (SWMU No. 109) and VOC concentrations generally decreased with lateral distance from the fire training pit. Soil borings were located accordingly, but also to explore other specific SWMUs and several anomolous areas identified by the PSGS. Subsequent fixed laboratory data identified SB01, located at the fire training pit, as the only significant area of soil contamination, in agreement with the PSGS. With respect to individual chemicals, PSGS results at SG14 and SG15 and results from fixed lab at soil boring location No. 1 (SB01) were shown in Figure 5-11. The soil gas data showed high concentrations of ethylbenzene, xylene, 1,2,4-trimethylebenzene, 1,3,5-trimethylebenzene, naphthalene, and 2-methylenaphalene. The concentrations of these chemicals were also high in the surface soil (first 3 ft) of SB01. It is noted, however, that the soil gas data also indicated relatively high concentrations of benzene, toluene, cis-1,2-dichloroethene, which were not detected in the fixed laboratory. Conversely, some of the organic chemicals that were detected in the fixed laboratory were not picked up by the soil gas technique. Most of the remaining sampling locations were shown to contain either nondetectable or low concentrations of VOCs and SVOCs by both soil gas and fixed lab methods, with few exceptions.

PSGS INDICATES
↑ CONC. OF PCE
TO SE. VERIFIED
BY SOIL BORINGS
(SB09)? NOT DISCUSSED
HERE.

Table 5-1
Summary of Soil Gas Sampling Activities
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Sample Number	Module Number	Installation		Retrieval		Comment
			Date	Time	Date	Time	
SG01	CANFTA4-SG01-0303	128629	10-16-96	15:00	10-30-96	08:05	Field Sample
SG02	CANFTA4-SG02-0303	128630	10-16-96	15:10	10-30-96	08:09	Field Sample
SG03	CANFTA4-SG03-0303	128631	10-16-96	15:30	10-30-96	08:11	Field Sample
SG04	CANFTA4-SG04-0303	128632	10-16-96	15:40	10-30-96	08:18	Field Sample
	CANFTA4-0101-0303	128633	10-16-96	15:50	10-30-96	08:14	Field Duplicate Sample
SG05	CANFTA4-SG05-0303	128634	10-16-96	15:55	10-30-96	08:24	Field Sample
SG06	CANFTA4-SG06-0303	128635	10-16-96	16:10	10-30-96	08:28	Field Sample
SG07	CANFTA4-SG07-0303	128636	10-16-96	16:25	10-30-96	08:30	Field Sample
SG08	CANFTA4-SG08-0303	128637	10-16-96	16:40	10-30-96	08:32	Field Sample
SG09	CANFTA4-SG09-0303	128638	10-16-96	16:50	10-30-96	08:33	Field Sample
SG10	CANFTA4-SG10-0303	128639	10-16-96	17:00	10-30-96	08:34	Field Sample
SG11	CANFTA4-SG11-0303	128640	10-16-96	17:10	10-30-96	08:35	Field Sample
SG12	CANFTA4-SG12-0303	128641	10-16-96	17:20	10-30-96	08:37	Field Sample
SG13	CANFTA4-SG13-0303	128642	10-16-96	17:30	10-30-96	08:39	Field Sample
SG14	CANFTA4-SG14-0303	128643	10-16-96	17:40	10-30-96	08:41	Field Sample
SG15	CANFTA4-SG15-0303	128644	10-16-96	17:50	10-30-96	08:46	Field Sample
	CANFTA4-0102-0303	128645	10-16-96	17:50	10-30-96	08:44	Field Duplicate Sample
SG16	CANFTA4-SG16-0303	128646	10-16-96	18:00	10-30-96	08:48	Field Sample
SG17	CANFTA4-SG17-0303	128647	10-16-96	18:10	10-30-96	08:51	Field Sample
SG18	CANFTA4-SG18-0303	128648	10-16-96	18:20	10-30-96	08:53	Field Sample
SG19	CANFTA4-SG19-0303	128649	10-16-96	18:30	10-30-96	08:55	Field Sample
SG20	CANFTA4-SG20-0303	128650	10-16-96	18:40	10-30-96	08:57	Field Sample
SG21	CANFTA4-SG21-0303	128651	10-16-96	18:50	10-30-96	08:59	Field Sample
SG22	CANFTA4-SG22-0303	128652	10-16-96	19:00	10-30-96	09:00	Field Sample
	CANFTA4-0103-0303	128653	10-16-96	19:00	10-30-96	09:02	Field Duplicate Sample
SG23	CANFTA4-SG23-0303	128654	10-17-96	07:45	10-30-96	09:05	Field Sample
SG24	CANFTA4-SG24-0303	128655	10-17-96	07:55	10-30-96	09:09	Field Sample
SG25	CANFTA4-SG25-0303	128656	10-17-96	08:05	10-30-96	09:12	Field Sample
SG26	CANFTA4-SG26-0303	128657	10-17-96	08:15	10-30-96	09:14	Field Sample
SG27	CANFTA4-SG27-0303	128658	10-17-96	08:30	10-30-96	09:16	Field Sample
SG28	CANFTA4-SG28-0303	128659	10-17-96	08:45	10-30-96	09:18	Field Sample

Table 5-1 (continued)
Summary of Soil Gas Sampling Activities
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Sample Number	Module Number	Installation		Retrieval		Comment
			Date	Time	Date	Time	
SG29	CANFTA4-SG29-0303	128660	10-17-96	09:00	10-30-96	09:20	Field Sample
SG30	CANFTA4-SG30-0303	128661	10-17-96	09:15	10-30-96	09:21	Field Sample
	CANFTA4-0104-0303	128662	10-17-96	09:15	10-30-96	09:21	Field Duplicate Sample
SG31	CANFTA4-SG31-0303	128663	10-17-96	09:30	10-30-96	09:22	Field Sample
SG32	CANFTA4-SG32-0303	128664	10-17-96	09:45	10-30-96	09:24	Field Sample
SG33	CANFTA4-SG33-0303	128665	10-17-96	10:00	10-30-96	09:26	Field Sample
SG34	CANFTA4-SG34-0303	128666	10-17-96	10:15	Module Not Retrieved		
SG35	CANFTA4-SG35-0303	128667	10-17-96	10:30	10-30-96	09:33	Field Sample
SG36	CANFTA4-SG36-0303	128668	10-17-96	10:45	10-30-96	09:38	Field Sample
SG37	CANFTA4-SG37-0303	128669	10-17-96	11:00	10-30-96	09:40	Field Sample
SG38	CANFTA4-SG38-0303	128670	10-17-96	11:15	10-30-96	09:42	Field Sample
SG39	CANFTA4-SG39-0303	128671	10-17-96	11:30	10-30-96	09:44	Field Sample
SG40	CANFTA4-SG40-0303	128672	10-17-96	11:45	10-30-96	09:46	Field Sample

Table 5-2
Summary of Subsurface Drilling and Sampling Activities
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Dates Drilled/Sampled	Total Boring Depth (ft)	Borehole Sampling Frequency	Number of Analytical Samples Collected	Number of QA/QC Samples Collected	Number of Geotechnical Samples Collected	Number of Immunoassay Samples Collected
SB01	2/19/97 - 2/20/97	90	continuous	9	0	4	9
SB02	2/21/97	20	continuous	3	0	0	2
SB03	2/21/97	20	continuous	3	0	0	2
SB04	2/20/97-2/21/97	20	continuous	3	0	0	2
SB05	2/21/97	20	continuous	3	0	0	2
SB06	2/22/97	20	continuous	3	1	0	2
SB07	2/21/97	20	continuous	3	0	0	2
SB08	2/23/97	20	continuous	3	0	0	2
SB09	2/23/97	20	continuous	3	0	0	2
SB10	2/22/97	20	continuous	3	0	0	2
SB11	2/22/97	20	continuous	3	0	0	2
SB12	2/22/97	40	continuous	5	0	0	4
SB13	2/23/97	20	continuous	3	1	0	2
SB14	2/23/97	20	continuous	3	0	0	2
SB15	2/23/97	20	continuous	3	0	0	2
SB16	2/23/97	20	continuous	3	0	1	2
SB17	2/22/97	60	continuous	7	0	4	6
SB18	2/25/97	60	continuous	7	0	3	6
SB19	2/26/97	60	continuous	7	0	0	6

Table 5-3
Summary of Surface and Subsurface Soil Sampling
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval	Sample Identification Number	Sample Type	Date Sampled	Time Sampled
SB01	3-4 feet	CANFTA4-SB01-0103	ANALYTICAL	2/19/97	1623
	3-4 feet	CANFTA4-SB01-0203	GEOTECHNICAL	2/19/97	1623
	3-4 feet	CANFTA4-SB01-0403	IMMUNOASSAY	2/19/97	1623
	19-20 feet	CANFTA4-SB01-0119	ANALYTICAL	2/19/97	1708
	19-20 feet	CANFTA4-SB01-0419	IMMUNOASSAY	2/19/97	1708
	29-30 feet	CANFTA4-SB01-0127	ANALYTICAL	2/19/97	1810
	29-30 feet	CANFTA4-SB01-0227	GEOTECHNICAL	2/19/97	1810
	29-30 feet	CANFTA4-SB01-0427	IMMUNOASSAY	2/19/97	1810
	38-39 feet	CANFTA4-SB01-0138	ANALYTICAL	2/20/97	0835
	38-39 feet	CANFTA4-SB01-0438	IMMUNOASSAY	2/20/97	0835
	42-43 feet	CANFTA4-SB01-0142	ANALYTICAL	2/20/97	0920
	42-43 feet	CANFTA4-SB01-0242	GEOTECHNICAL	2/20/97	0920
	42-43 feet	CANFTA4-SB01-0442	IMMUNOASSAY	2/20/97	0920
	55-56 feet	CANFTA4-SB01-0155	ANALYTICAL	2/20/97	1105
	55-56 feet	CANFTA4-SB01-0455	IMMUNOASSAY	2/20/97	1105
	65-66 feet	CANFTA4-SB01-0165	ANALYTICAL	2/20/97	1230
	65-66 feet	CANFTA4-SB01-0265	GEOTECHNICAL	2/20/97	1230
	65-66 feet	CANFTA4-SB01-0465	IMMUNOASSAY	2/20/97	1230
	73-74 feet	CANFTA4-SB01-0173	ANALYTICAL	2/20/97	1300
	73-74 feet	CANFTA4-SB01-0473	IMMUNOASSAY	2/20/97	1300
	80-81 feet	CANFTA4-SB01-0180	ANALYTICAL	2/20/97	1420
	80-81 feet	CANFTA4-SB01-0480	IMMUNOASSAY	2/20/97	1420
SB02	1-2 feet	CANFTA4-SB02-0101	ANALYTICAL	2/21/97	0915
	9-10 feet	CANFTA4-SB02-0109	ANALYTICAL	2/21/97	0935
	9-10 feet	CANFTA4-SB02-0409	IMMUNOASSAY	2/21/97	0935
	19-20 feet	CANFTA4-SB02-0119	ANALYTICAL	2/21/97	0945
	19-20 feet	CANFTA4-SB02-0419	IMMUNOASSAY	2/21/97	0945
SB03	1-2 feet	CANFTA4-SB03-0101	ANALYTICAL	2/21/97	1310
	9-10 feet	CANFTA4-SB03-0109	ANALYTICAL	2/21/97	1320
	9-10 feet	CANFTA4-SB03-0409	IMMUNOASSAY	2/21/97	1320
	19-20 feet	CANFTA4-SB03-0119	ANALYTICAL	2/21/97	1335
	19-20 feet	CANFTA4-SB03-0419	IMMUNOASSAY	2/21/97	1335

Table 5-3 (con't)

Summary of Surface and Subsurface Sampling
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval	Sample Identification Number	Sample Type	Date Sampled	Time Sampled
SB04	1-2 feet	CANFTA4-SB04-0101	ANALYTICAL	2/20/97	1725
	9-10 feet	CANFTA4-SB04-0109	ANALYTICAL	2/20/97	1740
	9-10 feet	CANFTA4-SB04-0409	IMMUNOASSAY	2/20/97	1740
	19-20 feet	CANFTA4-SB04-0119	ANALYTICAL	2/20/97	1800
	19-20 feet	CANFTA4-SB04-0419	IMMUNOASSAY	2/20/97	1800
SB05	1-2 feet	CANFTA4-SB05-0101	ANALYTICAL	2/21/97	1430
	9-10 feet	CANFTA4-SB05-0109	ANALYTICAL	2/21/97	1500
	9-10 feet	CANFTA4-SB05-0409	IMMUNOASSAY	2/21/97	1500
	12-13 feet	CANFTA4-SB05-0112	ANALYTICAL	2/21/97	1505
	12-13 feet	CANFTA4-SB05-0412	IMMUNOASSAY	2/21/97	1505
SB06	1-2 feet	CANFTA4-SB06-0101	ANALYTICAL	2/22/97	0755
	7-8 feet	CANFTA4-SB06-0107	ANALYTICAL	2/22/97	0810
	7-8 feet	CANFTA4-SB06-0407	IMMUNOASSAY	2/22/97	0810
	17-18 feet	CANFTA4-SB06-0117	ANALYTICAL	2/22/97	0825
	17-18 feet	CANFTA4-SB06-0417	IMMUNOASSAY	2/22/97	0825
	17-18 feet	CANFTA4-0101-0117 (QC dup.)	ANALYTICAL	2/22/97	0825
	17-18 feet	CANFTA4-0201-0417 (QA dup.)	ANALYTICAL	2/22/97	0825
SB07	1-2 feet	CANFTA4-SB07-0101	ANALYTICAL	2/21/97	1115
	9-10 feet	CANFTA4-SB07-0109	ANALYTICAL	2/21/97	1130
	9-10 feet	CANFTA4-SB07-0409	IMMUNOASSAY	2/21/97	1130
	19-20 feet	CANFTA4-SB07-0119	ANALYTICAL	2/21/97	1145
	19-20 feet	CANFTA4-SB07-0419	IMMUNOASSAY	2/21/97	1145
SB08	1-2 feet	CANFTA4-SB08-0101	ANALYTICAL	2/23/97	0835
	3-4 feet	CANFTA4-SB08-0103	ANALYTICAL	2/23/97	0840
	3-4 feet	CANFTA4-SB08-0403	IMMUNOASSAY	2/23/97	0840
	10-11 feet	CANFTA4-SB08-0110	ANALYTICAL	2/23/97	0850
	10-11 feet	CANFTA4-SB08-0410	IMMUNOASSAY	2/23/97	0850

Table 5-3 (con't)

Summary of Surface and Subsurface Sampling
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval	Sample Identification Number	Sample Type	Date Sampled	Time Sampled
SB09	1-2 feet	CANFTA4-SB09-0101	ANALYTICAL	2/23/97	0950
	2-3 feet	CANFTA4-SB09-0102	ANALYTICAL	2/23/97	0955
	2-3 feet	CANFTA4-SB09-0402	IMMUNOASSAY	2/23/97	0955
	15-16 feet	CANFTA4-SB09-0115	ANALYTICAL	2/23/97	1000
	15-16 feet	CANFTA4-SB09-0415	IMMUNOASSAY	2/23/97	1000
SB10	1-2 feet	CANFTA4-SB10-0101	ANALYTICAL	2/22/97	1545
	6-7 feet	CANFTA4-SB10-0106	ANALYTICAL	2/22/97	1605
	6-7 feet	CANFTA4-SB10-0406	IMMUNOASSAY	2/22/97	1606
	10-11 feet	CANFTA4-SB10-0110	ANALYTICAL	2/22/97	1615
	10-11 feet	CANFTA4-SB10-0410	IMMUNOASSAY	2/22/97	1615
SB11	1-2 feet	CANFTA4-SB11-0101	ANALYTICAL	2/22/97	0935
	7-8 feet	CANFTA4-SB11-0107	ANALYTICAL	2/22/97	0945
	7-8 feet	CANFTA4-SB11-0407	IMMUNOASSAY	2/22/97	0945
	17-18 feet	CANFTA4-SB11-0117	ANALYTICAL	2/22/97	1000
	17-18 feet	CANFTA4-SB11-0417	IMMUNOASSAY	2/22/97	1000
SB12	1-2 feet	CANFTA4-SB12-0101	ANALYTICAL	2/22/97	1145
	2-3 feet	CANFTA4-SB12-0102	ANALYTICAL	2/22/97	1200
	2-3 feet	CANFTA4-SB12-0402	IMMUNOASSAY	2/22/97	1200
	10-11 feet	CANFTA4-SB12-0110	ANALYTICAL	2/22/97	1215
	10-11 feet	CANFTA4-SB12-0410	IMMUNOASSAY	2/22/97	1215
	21-22 feet	CANFTA4-SB12-0121	ANALYTICAL	2/22/97	1400
	21-22 feet	CANFTA4-SB12-0421	IMMUNOASSAY	2/22/97	1400
	30-31 feet	CANFTA4-SB12-0130	ANALYTICAL	2/22/97	1440
	30-31 feet	CANFTA4-SB12-0430	IMMUNOASSAY	2/22/97	1440
SB13	1-2 feet	CANFTA4-SB13-0101	ANALYTICAL	2/23/97	1110
	4-5 feet	CANFTA4-SB13-0104	ANALYTICAL	2/23/97	1115
	4-5 feet	CANFTA4-SB13-0404	IMMUNOASSAY	2/23/97	1115
	13-15 feet	CANFTA4-SB13-0115	ANALYTICAL	2/23/97	1125
	13-15 feet	CANFTA4-SB13-0415	IMMUNOASSAY	2/23/97	1125
	13-15 feet	CANFTA4-0102-0115	ANALYTICAL (QC dup.)	2/23/97	1125
	13-15 feet	CANFTA4-0202-0115	ANALYTICAL (QA dup.)	2/23/97	1125

Table 5-3 (con't)

Summary of Surface and Subsurface Sampling
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval	Sample Identification Number	Sample Type	Date Sampled	Time Sampled
SB14	1-2 feet	CANFTA4-SB14-0101	ANALYTICAL	2/23/97	1620
	2-3 feet	CANFTA4-SB14-0102	ANALYTICAL	2/23/97	1630
	2-3 feet	CANFTA4-SB14-0402	IMMUNOASSAY	2/23/97	1630
	15-16 feet	CANFTA4-SB14-0115	ANALYTICAL	2/23/97	1635
	15-16 feet	CANFTA4-SB14-0415	IMMUNOASSAY	2/23/97	1635
SB15	1-2 feet	CANFTA4-SB15-0101	ANALYTICAL	2/23/97	1400
	9-10 feet	CANFTA4-SB15-0109	ANALYTICAL	2/23/97	1405
	9-10 feet	CANFTA4-SB15-0409	IMMUNOASSAY	2/23/97	1405
	19-20 feet	CANFTA4-SB15-0119	ANALYTICAL	2/23/97	1410
	19-20 feet	CANFTA4-SB15-0419	IMMUNOASSAY	2/23/97	1410
SB16	1-2 feet	CANFTA4-SB16-0101	ANALYTICAL	2/23/97	1500
	4-5 feet	CANFTA4-SB16-0104	ANALYTICAL	2/23/97	1505
	4-5 feet	CANFTA4-SB16-0204	GEOTECHNICAL	2/23/97	1505
	4-5 feet	CANFTA4-SB16-0404	IMMUNOASSAY	2/23/97	1505
	10-11 feet	CANFTA4-SB16-0110	ANALYTICAL	2/23/97	1515
	10-11 feet	CANFTA4-SB16-0410	IMMUNOASSAY	2/23/97	1515
SB17	1-2 feet	CANFTA4-SB17-0101	ANALYTICAL	2/25/97	0845
	9-10 feet	CANFTA4-SB17-0109	ANALYTICAL	2/25/97	0850
	9-10 feet	CANFTA4-SB17-0409	IMMUNOASSAY	2/25/97	0850
	19-20 feet	CANFTA4-SB17-0119	ANALYTICAL	2/25/97	0850
	19-20 feet	CANFTA4-SB17-0219	GEOTECHNICAL	2/25/97	0905
	19-20 feet	CANFTA4-SB17-0419	IMMUNOASSAY	2/25/97	0905
	29-30 feet	CANFTA4-SB17-0129	ANALYTICAL	2/25/97	0930
	29-30 feet	CANFTA4-SB17-0429	IMMUNOASSAY	2/25/97	0930
	39-40 feet	CANFTA4-SB17-0139	ANALYTICAL	2/25/97	0955
	39-40 feet	CANFTA4-SB17-0439	IMMUNOASSAY	2/25/97	0955
	45-46 feet	CANFTA4-SB17-0145	ANALYTICAL	2/25/97	1025
	45-46 feet	CANFTA4-SB17-0445	IMMUNOASSAY	2/25/97	1025
	59-60 feet	CANFTA4-SB17-0159	ANALYTICAL	2/25/97	1125
	59-60 feet	CANFTA4-SB17-0459	IMMUNOASSAY	2/25/97	1125

Table 5-3 (con't)

Summary of Surface and Subsurface Sampling
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval	Sample Identification Number	Sample Type	Date Sampled	Time Sampled
SB18	1-2 feet	CANFTA4-SB18-0101	ANALYTICAL	2/25/97	1335
	9-10 feet	CANFTA4-SB18-0109	ANALYTICAL	2/25/97	1340
	9-10 feet	CANFTA4-SB18-0409	IMMUNOASSAY	2/25/97	1340
	19-20 feet	CANFTA4-SB18-0119	ANALYTICAL	2/25/97	1405
	19-20 feet	CANFTA4-SB18-0219	GEOTECHNICAL	2/25/97	1405
	19-20 feet	CANFTA4-SB18-0419	IMMUNOASSAY	2/25/97	1405
	24-25 feet	CANFTA4-SB18-0124	ANALYTICAL	2/25/97	1420
	24-25 feet	CANFTA4-SB18-0424	IMMUNOASSAY	2/25/97	1420
	33-34 feet	CANFTA4-SB18-0133	ANALYTICAL	2/25/97	1455
	33-34 feet	CANFTA4-SB18-0233	GEOTECHNICAL	2/25/97	1455
	33-34 feet	CANFTA4-SB18-0433	IMMUNOASSAY	2/25/97	1455
	43-44 feet	CANFTA4-SB18-0143	ANALYTICAL	2/25/97	1530
	43-44 feet	CANFTA4-SB18-0443	IMMUNOASSAY	2/25/97	1530
	56-57 feet	CANFTA4-SB18-0156	ANALYTICAL	2/25/97	1555
	56-57 feet	CANFTA4-SB18-0256	GEOTECHNICAL	2/25/97	1555
	56-57 feet	CANFTA4-SB18-0456	IMMUNOASSAY	2/25/97	1555
SB19	1-2 feet	CANFTA4-SB19-0101	ANALYTICAL	2/26/97	0805
	4-5 feet	CANFTA4-SB19-0104	ANALYTICAL	2/26/97	0810
	4-5 feet	CANFTA4-SB19-0404	IMMUNOASSAY	2/26/97	0810
	17-18 feet	CANFTA4-SB19-0117	ANALYTICAL	2/26/97	0825
	17-18 feet	CANFTA4-SB19-0417	IMMUNOASSAY	2/26/97	0825
	29-30 feet	CANFTA4-SB19-0129	ANALYTICAL	2/26/97	0850
	29-30 feet	CANFTA4-SB19-0429	IMMUNOASSAY	2/26/97	0850
	33-34 feet	CANFTA4-SB19-0133	ANALYTICAL	2/26/97	0930
	33-34 feet	CANFTA4-SB19-0433	IMMUNOASSAY	2/26/97	0930
	45-46 feet	CANFTA4-SB19-0145	ANALYTICAL	2/26/97	1010
	45-46 feet	CANFTA4-SB19-0445	IMMUNOASSAY	2/26/97	1010
	59-60 feet	CANFTA4-SB19-0159	ANALYTICAL	2/26/97	1100
	59-60 feet	CANFTA4-SB19-0459	IMMUNOASSAY	2/26/97	1100

TABLE 5-4
Summary of Soil Gas Analytical Data (μg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	Methy t-butyl ether	trans-1,2-dichloroethene	1,1-dichloroethane	cis-1,2-dichloroethene	Chloroform	1,1,1-trichloroethane	Benzene	Trichloroethene	Toluene
SG01	128629	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.12
SG02	128630	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.13
SG03	128631	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.14	0.06	< 0.01	0.33
SG04	128632	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.10	< 0.02	< 0.01	0.18
	128633	< 0.26	< 0.16	<0.05	< 0.03	0.13	< 0.08	0.04	< 0.01	0.55
SG05	128634	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	0.09	0.15
SG06	128635	< 0.26	< 0.16	<0.05	< 0.03	0.20	0.34	< 0.02	< 0.01	0.17
SG07	128636	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.14
SG08	128637	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	0.12	0.13
SG09	128638	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.09	< 0.02	< 0.01	0.15
SG10	128639	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.30
SG11	128640	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	< 0.14
SG12	128641	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.11
SG13	128642	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.14	< 0.01	0.23
SG14	128643	< 0.26	1.75	<0.05	12.93	< 0.04	< 0.08	57.99	0.25	5.83
SG15	128644	0.08	3.19	<0.05	74.61	< 0.04	< 0.08	62.40	2.59	120.31
	128645	< 0.26	2.29	<0.05	48.23	< 0.04	< 0.08	78.86	1.60	101.04
SG16	128646	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.08	< 0.01	0.20
SG17	128647	< 0.26	< 0.16	<0.05	< 0.03	0.13	< 0.08	< 0.02	< 0.01	0.27
SG18	128648	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	0.08	0.18
SG19	128649	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.16	< 0.02	< 0.01	0.32
SG20	128650	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.20

TABLE 5-4 (continued)
Summary of Soil Gas Analytical Data (μg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	Methy t-butyl ether	trans-1,2-dichloroethene	1,1-dichloroethane	cis-1,2-dichloroethene	Chloroform	1,1,1-trichloroethane	Benzene	Trichloroethene	Toluene
SG21	128651	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.11	0.07	< 0.01	0.19
SG22	128652	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.68	0.19	0.11
	128653	< 0.26	< 0.16	<0.05	0.06	< 0.04	< 0.08	0.79	0.24	0.16
SG23	128654	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.06	0.03	0.10	0.54
SG24	128655	< 0.26	< 0.16	<0.05	< 0.03	0.13	< 0.08	0.25	< 0.01	0.11
SG25	128656	< 0.26	< 0.16	<0.05	< 0.03	0.12	< 0.08	< 0.02	< 0.01	0.28
SG26	128657	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.14
SG27	128658	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	0.09	< 0.02	< 0.01	0.08
SG28	128659	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.13	< 0.01	0.67
SG29	128660	< 0.26	< 0.16	<0.05	< 0.03	0.11	< 0.08	0.03	< 0.01	0.65
SG30	128661	< 0.26	< 0.16	<0.05	< 0.03	0.09	< 0.08	< 0.02	< 0.01	0.17
	128662	< 0.26	< 0.16	<0.05	< 0.03	0.13	< 0.08	< 0.02	< 0.01	0.25
SG31	128663	< 0.26	< 0.16	<0.05	< 0.03	0.10	< 0.08	0.12	< 0.01	0.32
SG32	128664	< 0.26	< 0.16	<0.05	< 0.03	0.09	< 0.08	< 0.02	< 0.01	0.17
SG33	128665	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.14
SG35	128667	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.19	< 0.01	0.60
SG36	128668	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.10
SG37	128669	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.25
SG38	128670	< 0.26	< 0.16	<0.05	< 0.03	0.10	< 0.08	0.05	< 0.01	0.40
SG39	128671	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	< 0.02	< 0.01	0.34
SG40	128672	< 0.26	< 0.16	<0.05	< 0.03	< 0.04	< 0.08	0.03	< 0.01	1.09

NOTE:

(1) Shaded cells indicate compound detected above method detection limit.

TABLE 5-4 (continued)
Summary of Soil Gas Analytical Data (µg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	Octane	Tetrachloroethene	1,2-dichloroethane	Chlorobenzene	Ethylbenzene	m,p-Xylene	o-Xylene	1,3,5-trimethylbenzene	1,2,4-Trimethylbenzene
SG01	128629	< 0.03	3.72	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG02	128630	< 0.03	7.15	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG03	128631	0.56	3.34	<0.02	< 0.03	0.04	0.05	0.05	0.15	0.17
SG04	128632	< 0.03	0.08	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
	128633	< 0.03	0.73	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG05	128634	< 0.03	8.16	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG06	128635	< 0.03	0.06	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG07	128636	< 0.03	0.61	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	0.01	< 0.02
SG08	128637	< 0.03	3.25	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG09	128638	< 0.03	1.28	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG10	128639	< 0.03	3.43	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG11	128640	< 0.03	4.23	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG12	128641	< 0.03	5.21	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG13	128642	0.14	2.17	<0.02	< 0.03	< 0.02	0.03	0.06	1.10	0.55
SG14	128643	167.32	< 0.03	<0.02	< 0.03	45.21	257.54	12.72	33.10	95.61
SG15	128644	34.32	< 0.03	<0.02	0.23	12.05	91.57	30.21	15.12	13.42
	128645	53.28	< 0.03	<0.02	0.07	10.28	80.33	24.76	11.30	22.11
SG16	128646	0.09	< 0.03	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
SG17	128647	< 0.03	0.47	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG18	128648	< 0.03	0.60	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG19	128649	< 0.03	0.13	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
SG20	128650	< 0.03	2.08	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG21	128651	0.27	0.99	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	0.02

TABLE 5-4(continued)
Summary of Soil Gas Analytical Data (µg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	Octane	Tetrachloroethene	1,2-dichloroethane	Chlorobenzene	Ethylbenzene	m,p-Xylene	o-Xylene	1,3,5-trimethylbenzene	1,2,4-Trimethylbenzene
SG22	128652	3.47	0.06	<0.02	< 0.03	0.06	0.06	0.07	0.07	0.04
	128653	4.56	< 0.03	<0.02	< 0.03	0.41	0.25	0.42	0.62	1.88
SG23	128654	< 0.03	0.36	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
SG24	128655	0.18	0.34	<0.02	< 0.03	< 0.02	0.03	0.03	<0.02	0.02
SG25	128656	< 0.03	0.22	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG26	128657	< 0.03	0.25	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG27	128658	< 0.03	< 0.03	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG28	128659	< 0.03	0.13	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG29	128660	< 0.03	0.17	<0.02	< 0.03	< 0.02	0.03	< 0.02	< 0.02	< 0.02
SG30	128661	< 0.03	0.61	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
	128662	< 0.03	0.30	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG31	128663	0.38	< 0.03	<0.02	< 0.03	< 0.02	0.06	< 0.02	0.01	0.05
SG32	128664	1.34	0.09	<0.02	< 0.03	0.07	0.10	0.18	0.43	0.58
SG33	128665	< 0.03	0.15	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
SG35	128667	0.28	0.11	<0.02	< 0.03	0.19	0.23	0.13	0.03	0.06
SG36	128668	< 0.03	0.18	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG37	128669	< 0.03	< 0.03	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG38	128670	0.43	< 0.03	<0.02	< 0.03	< 0.02	0.02	< 0.02	< 0.02	< 0.02
SG39	128671	< 0.03	0.14	<0.02	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02
SG40	128672	< 0.03	0.11	<0.02	< 0.03	< 0.02	0.05	< 0.02	< 0.02	0.03

NOTE:

(1) Shaded cells indicate compound detected above method detection limit.

TABLE 5-4 (continued)
Summary of Soil Gas Analytical Data (µg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	1,4-dichlorobenzene	Carbon Tetrachloride	Diesel Range Alkanes	Undecane	Naphthalene	Tridecane	2-methyl naphthalene	Pentadecane
SG01	128629	< 0.03	<0.04	0.01	0.01	< 0.03	< 0.03	< 0.05	< 0.04
SG02	128630	< 0.03	<0.04	0.02	0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG03	128631	0.01	<0.04	3.77	2.46	0.03	1.14	0.03	0.17
SG04	128632	< 0.03	<0.04	0.01	0.01	< 0.03	< 0.03	< 0.05	< 0.04
	128633	< 0.03	<0.04	0.03	0.03	< 0.03	< 0.03	< 0.05	< 0.04
SG05	128634	< 0.03	<0.04	0.49	0.23	< 0.03	0.19	0.01	0.07
SG06	128635	< 0.03	<0.04	<0.02	< 0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG07	128636	< 0.03	<0.04	0.01	0.01	< 0.03	< 0.03	< 0.05	< 0.04
SG08	128637	< 0.03	<0.04	<0.02	< 0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG09	128638	< 0.03	<0.04	0.02	0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG10	128639	< 0.03	<0.04	0.05	0.02	< 0.03	< 0.03	< 0.05	0.03
SG11	128640	< 0.03	<0.04	0.01	0.01	< 0.03	< 0.03	< 0.05	< 0.04
SG12	128641	< 0.03	<0.04	0.25	0.11	< 0.03	0.06	< 0.05	0.08
SG13	128642	0.02	<0.04	10.71	6.03	0.22	4.03	0.23	0.66
SG14	128643	< 0.03	<0.04	264.29	209.87	17.96	47.60	28.65	6.82
SG15	128644	1.93	<0.04	178.77	84.83	10.08	88.61	16.17	5.33
	128645	0.21	<0.04	96.14	66.11	1.88	27.63	4.33	2.40
SG16	128646	< 0.03	<0.04	0.06	0.03	< 0.03	0.03	< 0.05	< 0.04
SG17	128647	< 0.03	<0.04	0.06	0.06	< 0.03	< 0.03	< 0.05	< 0.04
SG18	128648	< 0.03	<0.04	0.03	0.03	< 0.03	< 0.03	< 0.05	< 0.04
SG19	128649	< 0.03	<0.04	0.04	0.04	< 0.03	< 0.03	< 0.05	< 0.04
SG20	128650	< 0.03	<0.04	2.34	1.27	< 0.03	0.91	< 0.05	0.16
SG21	128651	< 0.03	<0.04	0.24	0.12	< 0.03	0.08	< 0.05	0.03

TABLE 5-4 (continued)
Summary of Soil Gas Analytical Data (µg/Sorber)
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Sample Location	Module Number	1,4-dichlorobenzene	Carbon Tetrachloride	Diesel Range Alkanes	Undecane	Naphthalene	Tridecane	2-methyl naphthalene	Pentadecane
SG22	128652	0.01	<0.04	40.56	10.05	0.01	25.47	0.02	5.04
	128653	0.02	<0.04	169.36	23.83	0.88	105.94	4.22	39.58
SG23	128654	< 0.03	<0.04	0.33	0.13	< 0.03	0.13	0.01	0.07
SG24	128655	< 0.03	<0.04	0.09	0.04	< 0.03	0.02	< 0.05	0.04
SG25	128656	< 0.03	<0.04	0.01	0.01	< 0.03	< 0.03	< 0.05	< 0.04.
SG26	128657	< 0.03	<0.04	<0.02	< 0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG27	128658	< 0.03	<0.04	<0.02	< 0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG28	128659	< 0.03	<0.04	0.03	0.03	< 0.03	< 0.03	< 0.05	< 0.04
SG29	128660	< 0.03	<0.04	0.12	0.03	< 0.03	0.01	< 0.05	0.08
SG30	128661	< 0.03	<0.04	0.02	0.02	< 0.03	< 0.03	< 0.05	< 0.04
	128662	< 0.03	<0.04	0.02	0.02	< 0.03	< 0.03	< 0.05	< 0.04
SG31	128663	< 0.03	<0.04	10.39	0.68	< 0.03	0.86	0.01	8.86
SG32	128664	< 0.03	<0.04	35.33	4.53	0.23	8.14	0.37	22.66
SG33	128665	< 0.03	<0.04	0.10	0.02	< 0.03	< 0.03	< 0.05	0.08
SG35	128667	< 0.03	<0.04	3.24	0.69	0.91	2.34	2.37	0.21
SG36	128668	< 0.03	<0.04	0.17	0.07	< 0.03	0.05	< 0.05	0.05
SG37	128669	< 0.03	<0.04	0.22	0.14	< 0.03	0.04	< 0.05	0.04
SG38	128670	< 0.03	<0.04	0.15	0.04	< 0.03	< 0.03	< 0.05	0.11
SG39	128671	< 0.03	<0.04	0.05	0.03	< 0.03	< 0.03	< 0.05	0.02
SG40	128672	< 0.03	<0.04	0.30	0.11	< 0.03	0.18	< 0.05	0.01

NOTE:

(1) Shaded cells indicate compound detected above a method detection limit.

Table 5-5
Summary of Soil Analytical Data
for Soil Boring SB01

Analytes	SB01-0103	SB01-0119	SB01-0127	SB01-0138	SB01-0142	SB01-0155	SB01-0165	SB01-0173	SB01-0180
VOAs (Method 8260A)	***Concentration (µg/kg)***								
Dichlorodifluoromethane	291U	301U	291U	288U	299U	2.4U	2.5U	2.3U	2.3U
Chloromethane	208U	215U	208U	206U	213U	1.7U	1.8U	1.6U	1.7U
Vinyl Chloride	180U	186U	180U	179U	185U	1.5U	1.5U	1.4U	1.4U
Bromomethane	109U	113U	109U	109U	112U	0.9U	0.93U	0.85U	0.87U
Chloroethane	208U	215U	208U	206U	213U	1.7U	1.8U	1.6U	1.7U
Trichlorofluoromethane	333U	344U	332U	330U	341U	2.7U	2.8U	2.6U	2.6U
1,1-Dichloroethene	180U	186U	180U	179U	185U	1.5U	1.5U	1.4U	1.4U
Methylene Chloride	346U	358U	346U	343U	356U	4.6 JB	5.2 JB	3.8 J	5.6 B
trans-1,2-Dichloroethene	90.1U	93.2U	90.0U	89.3U	92.4U	0.74U	0.76U	0.7U	0.72U
1,1-Dichloroethane	90.1U	93.2U	90.0U	89.3U	92.4U	0.74U	0.76U	0.7U	0.72U
Carbon Disulfide	208U	215U	208U	206U	213U	1.7U	1.8U	1.6U	1.7U
2,2-Dichloropropane	166U	172U	166U	165U	171U	1.4U	1.4U	1.3U	1.3U
cis-1,2-dichloroethene	97.0U	100U	96.9U	96.2U	99.5U	0.8U	0.82U	0.75U	0.77U
Bromochloromethane	114U	118U	114U	113U	117U	0.94U	0.96U	0.88U	0.9U
Chloroform	111U	115U	111U	110U	114U	0.92U	0.94U	0.86U	0.88U
1,1,1-Trichloroethane	70.7U	73.1U	70.6U	70.1U	72.5U	0.58U	0.60U	0.55U	0.56U
1,1-Dichloropropene	139U	143U	138U	137U	142U	1.1U	1.2U	1.1U	1.1U
Carbon Tetrachloride	136U	140U	136U	135U	139U	1.1U	1.2U	1.1U	1.1U
Benzene	72.1U	74.5U	72.0U	71.4U	73.9U	0.6U	0.61U	0.56U	0.57U
1,2-Dichloroethane	112U	116U	112U	111U	115U	0.93U	0.95U	0.87U	0.89U
Trichloroethene	152U	158U	152U	151U	156U	1.3U	1.3U	1.2U	1.2U
1,2-Dichloropropane	152U	158U	152U	151U	156U	1.3U	1.3U	1.2U	1.2U
Bromodichloromethane	91.5U	94.6U	91.4U	90.7U	93.9U	0.76U	0.78U	0.71U	0.73U
Dibromomethane	133U	138U	133U	132U	137U	1.1U	1.1U	1U	1.1U
cis-1,3-Dichloropropene	134U	139U	134U	133U	138U	1.1U	1.1U	1U	1.1U
Toluene	111U	4370	4190	298 J	2290	0.92U	17.4	0.86U	0.88U
trans-1,3-Dichloropropene	81.8U	84.6U	81.7U	81.0U	83.9U	0.68U	0.69U	0.63U	0.65U
1,1,2-Trichloroethane	112U	116U	112U	111U	115U	0.93U	0.95U	0.87U	0.89U
1,2-Dibromoethane	122U	126U	122U	121U	125U	1U	1U	0.94U	0.97U
Tetrachloroethene	108U	112U	108U	107U	111U	0.89U	0.92U	0.84U	0.86U
1,3-Dichloropropane	119U	123U	119U	118U	122U	0.99U	1U	0.92U	0.95U
Dibromochloromethane	80.4U	83.1U	80.3U	79.7U	82.5U	0.66U	0.68U	0.62U	0.64U
Chlorobenzene	79.0U	81.7U	78.9U	78.3U	81.1U	0.65U	0.67U	0.61U	0.63U
1,1,1,2-Tetrachloroethane	67.9U	70.2U	67.8U	67.3U	69.7U	0.56U	0.58U	0.53U	0.54U
Ethylbenzene	1780	7230	6450	993	2100	0.8U	34.6	0.75U	0.77U
m & p-Xylene	4130	24200	34100	14700	29900	1.1U	166	1.1U	1.1U
o-Xylene	367J	12800	18900	9780	17400	0.53U	81.1	0.49U	0.51U
Styrene	83.1U	86.0U	83.1U	82.4U	85.3U	0.69U	0.71U	0.64U	0.66U
2-Hexanone	596U	616U	595U	591U	611U	4.9U	5.1U	4.6U	4.7U
Bromoform	166U	172U	166U	165U	171U	1.4U	1.4U	1.3U	1.3U
Isopropylbenzene	1430	1780	1940	970	1800	0.76U	16.6	0.71U	0.73U
1,1,2,2-Tetrachloroethane	305U	315U	305U	302U	313U	2.5U	2.6U	2.4U	2.4U

Table 5-5 (continued)
Summary of Soil Analytical Data
for Soil Boring SB01

Analytes	SB01-0103	SB01-0119	SB01-0127	SB01-0138	SB01-0142	SB01-0155	SB01-0165	SB01-0173	SB01-0180
Bromobenzene	130U	135U	130U	129U	134U	1.1U	1.1U	1U	1U
1,2,3-Trichloropropane	277U	287U	277U	275U	284U	2.3U	2.4U	2.1U	2.2U
n-Propylbenzene	3320	3190	4450	2020	3640	0.66U	29.3	0.62U	0.64U
2-Chlorotoluene	108U	112U	108U	107U	111U	0.89U	0.92U	0.84U	0.86U
4-Chlorotoluene	111U	115U	111U	110U	114U	0.92U	0.94U	0.86U	0.88U
1,3,5-Trimethylbenzene	9250	11200	15500	7670	12700	2.9 J	92.6	0.54U	0.55U
tert-Butylbenzene	74.8U	77.4U	74.8U	74.2U	76.8U	0.62U	0.64U	0.58U	0.59U
1,2,4-Trimethylbenzene	22800	21000	41800	19500	35300	11.2	188	0.75U	0.77U
sec-Butylbenzene	87.3U	90.3U	87.2U	86.5U	89.6U	0.72U	15.6	0.68U	0.69U
p-Isopropyltoluene	7030	6280	9530	3330	5250	2.4 J	51.8	0.65U	0.67U
1,3-Dichlorobenzene	127U	132U	127U	126U	131U	1.1U	1.1U	0.99U	1U
1,4-Dichlorobenzene	139U	143U	138U	137U	142U	1.1U	1.2U	1.1U	1.1U
1,2-Dichlorobenzene	166U	172U	166U	165U	171U	1.4U	1.4U	1.3U	1.3U
n-Butylbenzene	4620	3630	138U	137U	142U	1.1U	26.2	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	346U	358U	346U	343U	356U	2.9U	2.9U	2.7U	2.8U
1,2,4-Trichlorobenzene	152U	158U	152U	151U	156U	1.3U	1.3U	1.2U	1.2U
Hexachlorobutadiene	108U	112U	108U	107U	111U	0.89U	0.92U	0.84U	0.86U
Naphthalene	4830	3530	8580	3430	5510	10.7	28.0	1.8U	1.9U
1,2,3-Trichlorobenzene	180U	186U	180U	179U	185U	1.5U	1.5U	1.4U	1.4U
Acetone	1190U	2130 J	3150J	2210J	1520J	51.0 J	134	38.7 J	16.9 J
2-Butanone	1090U	1130U	1090U	1080U	1120U	9.0U	89.6	8.4U	8.7U
4-Methyl-2-Pentanone	499U	516U	498U	495U	512U	4.1U	4.2U	3.9U	4U
BNAs (Method 8270)	***Concentration (µg/kg)***								
Phenol	95.3U	247U	47.6U	47.3U	48.9U	49.3U	50.6U	46.1U	47.4U
Bis(-2-Chloroethyl)Ether	90.9U	235U	45.4U	45.1U	46.6U	47.0U	48.2U	44.0U	45.2U
2-Chlorophenol	93.1U	241U	46.5U	46.2U	47.8U	48.1U	49.4U	45.1U	46.3U
1,3-Dichlorobenzene	99.8U	258U	49.8U	49.5U	51.2U	51.5U	52.9U	48.3U	49.6U
1,4-Dichlorobenzene	93.1U	241U	46.5U	46.2U	47.8U	48.1U	49.4U	45.1U	46.3U
Benzyl Alcohol	88.7U	229U	44.3U	44.0U	45.5U	45.8U	47.1U	42.9U	44.1U
1,2-Dichlorobenzene	122U	315U	60.9U	60.4U	62.6U	63.0U	64.7U	59.0U	60.6U
2-Methylphenol	99.8U	258U	49.8U	49.5U	51.2U	51.5U	52.9U	48.3U	49.6U
Bis(2-Chloroisopropyl)Ether	109U	281U	54.3U	53.8U	55.7U	56.1U	57.6U	52.6U	54.0U
4-Methylphenol	95.3U	711 J	47.6U	47.3U	48.9U	49.3U	50.6U	46.1U	47.4U
N-Nitroso-Di-N-Propylamine	102U	264U	50.9U	50.5U	52.3U	52.7U	54.1U	49.4U	50.7U
Hexachloroethane	109U	281U	54.3U	53.8U	55.7U	56.1U	57.6U	52.6U	54.0U
Nitrobenzene	77.6U	201U	38.8U	38.5U	39.8U	40.1U	41.2U	37.6U	38.5U
Isophorone	62.1U	161U	31.0U	30.8U	31.9U	32.1U	32.9U	30.0U	30.8U
2-Nitrophenol	86.5U	224U	43.2U	42.9U	44.4U	44.7U	45.9U	41.8U	43.0U
2,4-Dimethylphenol	73.2U	189U	36.5U	36.3U	37.5U	37.8U	38.8U	35.4U	36.3U
Benzoic Acid	182U	470U	90.8U	90.1U	93.3U	214 J	96.5U	205 J	193 J
Bis(-2-Chloroethoxy)Methane	84.3U	218U	42.1U	41.8U	43.2U	43.5U	44.7U	40.8U	41.9U
2,4-Dichlorophenol	97.6U	252U	48.7U	48.4U	50.1U	50.4U	51.8U	47.2U	48.5U
1,2,4-Trichlorobenzene	84.3U	218U	42.1U	41.8U	43.2U	43.5U	44.7U	40.8U	41.9U

Table 5-5 (continued)
Summary of Soil Analytical Data
for Soil Boring SB01

Analytes	SB01-0103	SB01-0119	SB01-0127	SB01-0138	SB01-0142	SB01-0155	SB01-0165	SB01-0173	SB01-0180
Naphthalene	2200	3800	586	2400	2390	43.5U	44.7U	40.8U	41.9U
4-Chloroaniline	306U	791U	153U	152U	157U	158U	162U	148U	152U
Hexachlorobutadiene	90.9U	235U	45.4U	45.1U	46.6U	47.0U	48.2U	44.0U	45.2U
4-Chloro-3-Methylphenol	79.8U	206U	39.9U	39.6U	41.0U	41.2U	42.4U	38.6U	39.6U
2-Methylnaphthalene	4860	11700	3500	9650	8610	104 J	139 J	38.6U	39.6U
Hexachlorocyclopentadiene	75.4U	195U	37.7U	37.4U	38.7U	38.9U	40.0U	36.5U	37.4U
2,4,6-Trichlorophenol	73.2U	189U	36.5U	36.3U	37.5U	37.8U	38.8U	35.4U	36.3U
2,4,5-Trichlorophenol	82.0U	212U	41.0U	40.7U	42.1U	42.4U	43.5U	39.7U	40.7U
2-Chloronaphthalene	77.6U	201U	38.8U	38.5U	39.8U	40.1U	41.2U	37.6U	38.5U
2-Nitroaniline	57.6U	149U	28.8U	28.6U	29.6U	29.8U	30.6U	27.9U	28.6U
Dimethyl Phthalate	68.7U	178U	34.3U	34.1U	35.3U	35.5U	36.5U	33.3U	34.1U
Acenaphthylene	86.5U	224U	43.2U	42.9U	44.4U	44.7U	45.9U	41.8U	43.0U
2,6-Dinitrotoluene	71.0U	183U	35.4U	35.2U	36.4U	36.7U	37.6U	34.3U	35.2U
3-Nitroaniline	173U	447U	86.4U	85.7U	88.7U	89.3U	91.8U	83.7U	85.9U
Acenaphthene	71.0U	183U	35.4U	35.2U	36.4U	36.7U	37.6U	34.3U	35.2U
2,4-Dinitrophenol	66.5U	172U	33.2U	33.0U	34.1U	34.4U	35.3U	32.2U	33.0U
4-Nitrophenol	104U	269U	52.0U	51.6U	53.5U	53.8U	55.3U	50.4U	51.8U
Dibenzofuran	143 J	366 J	37.7U	37.4U	38.7U	38.9U	40.0U	36.5U	37.4U
2,4-Dinitrotoluene	66.5U	172U	33.2U	33.0U	34.1U	34.4U	35.3U	32.2U	33.0U
Diethylphthalate	79.8U	206U	39.9U	39.6U	41.0U	41.2U	42.4U	38.6U	39.6U
4-Chlorophenyl-Phenylether	75.4U	195U	37.7U	37.4U	38.7U	38.9U	40.0U	36.5U	37.4U
Fluorene	86.6 J	238 J	38.8U	38.5U	39.8U	40.1U	41.2U	37.6U	38.5U
4-Nitroaniline	131U	338U	65.3U	64.8U	67.1U	67.6U	69.4U	63.3U	65.0U
4,6-Dinitro-2-Methylphenol	102U	264U	50.9U	50.5U	52.3U	52.7U	54.1U	49.4U	50.7U
N-Nitrosodiphenylamine	86.5U	224U	43.2U	42.9U	44.4U	44.7U	45.9U	41.8U	43.0U
4-Bromophenyl-Phenylether	77.6U	201U	38.8U	38.5U	39.8U	40.1U	41.2U	37.6U	38.5U
Phenanthrene	138 J	172U	33.2U	33.0U	34.1U	34.4U	35.3U	32.2U	33.0U
Hexachlorobenzene	68.7U	178U	34.3U	34.1U	35.3U	35.5U	36.5U	33.3U	34.1U
Pentachlorophenol	124U	321U	62.0U	61.5U	63.7U	64.1U	65.9U	60.1U	61.7U
Anthracene	64.3U	166U	32.1U	31.9U	33.0U	33.2U	34.1U	31.1U	31.9U
Di-N-Butylphthalate	48.8U	126U	24.4U	24.2U	25.0U	25.2U	604	164 J	466
Fluoranthene	175 J	161U	31.0U	30.8U	31.9U	32.1U	32.9U	30.0U	30.8U
Pyrene	173 J	161U	31.0U	30.8U	31.9U	32.1U	32.9U	30.0U	30.8U
Butylbenzylphthalate	66.5U	172U	33.2U	33.0U	34.1U	34.4U	41.5 J	73.5 J	57.7 J
3,3'-Dichlorobenzidine	523U	1350U	261U	259U	268U	270U	278U	253U	260U
Benzo(a)Anthracene	59.9 J	138U	26.6U	26.4U	27.3U	27.5U	28.2U	25.8U	26.4U
Chrysene	86.0 J	143U	27.7U	27.5U	28.4U	28.6U	29.4U	26.8U	27.5U
Bis(2-Ethylhexyl)Phthalate	68.7U	274 J	57.6 J	56.8 J	80.1 J	35.5U	36.5U	33.3U	34.1U
Di-N-Octyl Phthalate	62.1U	161U	31.0U	30.8U	31.9U	32.1U	32.9U	30.0U	30.8U
Benzo(b)Fluoranthene	118U	304U	58.7U	58.2U	60.3U	60.7U	62.4U	56.9U	58.4U
Benzo(k)Fluoranthene	146U	378U	73.1U	72.5U	75.1U	75.6U	77.6U	70.8U	72.7U
Benzo(a)Pyrene	64.3U	166U	32.1U	31.9U	33.0U	33.2U	34.1U	31.9U	31.9U
Indeno(1,2,3-cd)Pyrene	73.2U	189U	36.5U	36.3U	37.5U	37.8U	38.8U	35.4U	36.3U

Table 5-5 (continued)
Summary of Soil Analytical Data
for Soil Boring SB01

Analytes	SB01-0103	SB01-0119	SB01-0127	SB01-0138	SB01-0142	SB01-0155	SB01-0165	SB01-0173	SB01-0180
Dibenzo(a,h)Anthracene	68.7U	178U	34.3U	34.1U	35.3U	35.5U	36.5U	33.3U	34.1U
Inorganics	***Concentrations (mg/kg)***								
Aluminum	6370	6510	4640	3840	3960	3470	2900	2310	1960
Antimony	5.6 J	4.8 J	4.7 J	3.6 J	3.4 J	3.7 J	3.6 J	2.4 J	2.2UJ
Arsenic	1.5	1.8	1.3	0.99	1.4	0.97	1	0.74	0.66
Barium	55.0	221	102	68.6	303	53.6	68.4	15.3	20.0
Beryllium	0.37	0.39	0.27	0.21	0.21	0.19	0.17	0.16	0.13
Cadmium	0.55U	0.57U	0.55U	0.55U	0.57U	0.57U	0.59U	0.54U	0.55U
Calcium	3540	169000	109000	113000	70300	46800	90100	21200	3330
Chromium	6.7	7.5	6.4	5.1	4.2	5	6.4	3.0	3.5
Cobalt	2.4	2.4	1.8	1.5	1.9	1.6	1.6	1.2	1.2
Copper	14.6 J	2.1 J	1.8 J	1.1UJ	1.1UJ	1.1UJ	1.2UJ	1.1UJ	1.1UJ
Iron	6260	4800	3530	2840	3300	3490	3120	2570	2500
Lead	6.2	4	2.5	1.9	2.5	2.4	1.9	2.1	1.9
Magnesium	888	5520	2760	4300	3290	3620	3810	2380	2310
Manganese	115 J	55.1 J	39.7 J	29.6 J	31.5 J	39.2 J	34.7 J	39.3 J	23.9 J
Mercury	0.089U	0.092U	0.089U	0.088U	0.091U	0.092U	0.094U	0.086U	0.088U
Nickel	28.3 J	5 J	3.4 J	2.8 J	3.3 J	2.3UJ	2.5 J	2.1UJ	2.2UJ
Potassium	968	1700	1010	587	758	766	509	434	383
Selenium	0.055U	0.057U	0.055U	0.055U	0.057U	0.057U	0.059U	0.054U	0.055U
Silver	0.55U	0.57U	0.55U	0.55U	0.57U	0.57U	0.59U	0.54U	0.55U
Sodium	163	269	150	151	132	162	140	73.1	81.7
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.12U	0.11U	0.11U
Vanadium	11.4	12.4	9.3	15.8	14.1	9	10.2	8.5	7.8
Zinc	20.6	27.6	26.5	10.1	11.0	15.0	7.3	11.3	9.2
Cyanide, Total	0.56U	0.57U	0.56U	0.55U	0.57U	0.57U	0.58U	0.54U	0.55U
Petroleum Hydrocarbons	1940	5560	5120	1600	1990	63.2	141	16.1	17.6
	(%)								
Solids, Total	90.2	87.2	90.3	91.0	87.9	87.3	85	93.2	90.8

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-6
Summary of Soil Analytical Data
for Soil Borings SB02-SB04

Analytes	SB02-0101	SB02-0109	SB02-0119	SB03-0101	SB03-0109	SB03-0119	SB04-0101	SB04-0109	SB04-0119
VOAs (Method 8260A)	***Concentration (µg/kg)***								
Dichlorodifluoromethane	2.5U	2.4U	2.3U	2.3U	2.4U	2.4U	2.4U	2.4U	2.4U
Chloromethane	1.8U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Vinyl Chloride	1.5U	1.5U	1.5U	1.4U	1.5U	1.5U	1.5U	1.5U	1.5U
Bromomethane	0.92U	0.88U	0.88U	0.88U	0.89U	0.89U	0.89U	0.91U	0.9U
Chloroethane	1.8U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Trichlorofluoromethane	2.8U	2.7U	2.7U	2.7U	2.7U	2.7U	2.7U	2.8U	2.7U
1,1-Dichloroethene	1.5U	1.5U	1.5U	1.4U	1.5U	1.5U	1.5U	1.5U	1.5U
Methylene Chloride	2.9U	2.8U	2.8U	2.8U	2.8U	2.8U	2.8U	2.9U	2.9U
trans-1,2-Dichloroethene	0.76U	0.73U	0.73U	0.72U	0.73U	0.73U	0.74U	0.75U	0.74U
1,1-Dichloroethane	0.76U	0.73U	0.73U	0.72U	0.73U	0.73U	0.74U	0.75U	0.74U
Carbon Disulfide	1.8U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
2,2-Dichloropropane	1.4U	1.3U	1.3U	1.3U	1.4U	1.3U	1.4U	1.4U	1.4U
cis-1,2-dichloroethene	0.82U	0.78U	0.78U	0.78U	0.79U	0.79U	0.79U	0.8U	0.8U
Bromochloromethane	0.96U	0.92U	0.92U	0.91U	0.93U	0.92U	0.93U	0.94U	0.94U
Chloroform	0.93U	0.9U	0.89U	0.89U	0.9U	0.90U	0.91U	0.92U	0.92U
1,1,1-Trichloroethane	0.6U	0.57U	0.57U	0.57U	0.58U	0.57U	0.58U	0.59U	0.58U
1,1-Dichloropropene	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Benzene	0.61U	0.58U	0.58U	0.58U	0.59U	0.58U	0.59U	0.6U	0.6U
1,2-Dichloroethane	0.95U	0.91U	0.9U	0.9U	0.92U	0.91U	0.92U	0.93U	0.93U
Trichloroethene	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U
1,2-Dichloropropane	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U
Bromodichloromethane	0.77U	0.74U	0.74U	0.73U	0.75U	0.74U	0.75U	0.76U	0.76U
Dibromomethane	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
cis-1,3-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Toluene	0.93U	0.9U	0.89U	0.89U	0.9U	0.90U	0.91U	0.92U	0.92U
trans-1,3-Dichloropropene	0.69U	0.66U	0.66U	0.65U	0.67U	0.66U	0.67U	0.68U	0.68U
1,1,2-Trichloroethane	0.95U	0.91U	0.9U	0.9U	0.92U	0.91U	0.92U	0.93U	0.93U
1,2-Dibromoethane	1U	0.99U	0.98U	0.98U	0.99U	0.99U	1U	1U	1U
Tetrachloroethene	0.91U	0.87U	0.87U	0.86U	0.88U	0.88U	0.88U	0.9U	0.89U
1,3-Dichloropropane	1.0U	0.96U	0.96U	0.95U	0.97U	0.97U	0.97U	0.99U	0.99U
Dibromochloromethane	0.68U	0.65U	0.65U	0.64U	0.66U	0.65U	0.66U	0.67U	0.66U
Chlorobenzene	0.67U	0.64U	0.64U	0.63U	0.64U	0.64U	0.65U	0.66U	0.65U
1,1,1,2-Tetrachloroethane	0.57U	0.55U	0.55U	0.54U	0.55U	0.55U	0.55U	0.56U	0.56U
Ethylbenzene	0.82U	0.78U	0.78U	0.78U	0.79U	0.79U	0.79U	0.8U	0.8U
m & p-Xylene	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.54U	0.52U	0.51U	0.51U	0.52U	0.52U	0.52U	0.53U	0.53U
Styrene	0.70U	0.67U	0.67U	0.67U	0.68U	0.67U	0.68U	0.69U	0.69U
2-Hexanone	5U	4.8U	4.8U	4.8U	4.9U	4.8U	4.9U	4.9U	4.9U

Table 5-6 (continued)
Summary of Soil Analytical Data
for Soil Borings SB02-SB04

Analytes	SB02-0101	SB02-0109	SB02-0119	SB03-0101	SB03-0109	SB03-0119	SB04-0101	SB04-0109	SB04-0119
Bromoform	1.4U	1.3U	1.3U	1.3U	1.4U	1.3U	1.4U	1.4U	1.4U
Isopropylbenzene	0.77U	0.74U	0.74U	0.73U	0.75U	0.74U	0.75U	0.76U	0.76U
1,1,2,2-Tetrachloroethane	2.6U	2.5U	2.5U	2.4U	2.5U	2.5U	2.5U	2.5U	2.5U
Bromobenzene	1.1U	1.1U	1U	1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2,3-Trichloropropane	2.3U	2.2U	2.2U	2.2U	2.3U	2.2U	2.3U	2.3U	2.3U
n-Propylbenzene	0.68U	0.65U	0.65U	0.64U	0.66U	0.65U	0.66U	0.67U	0.66U
2-Chlorotoluene	0.91U	0.87U	0.87U	0.86U	0.88U	0.88U	0.88U	0.9U	0.89U
4-Chlorotoluene	0.93U	0.9U	0.89U	0.89U	0.9U	0.90U	0.91U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.58U	0.56U	0.56U	0.55U	0.56U	0.56U	0.57U	0.57U	0.57U
tert-Butylbenzene	0.63U	0.6U	0.6U	0.6U	0.61U	0.61U	0.61U	0.62U	0.62U
1,2,4-Trimethylbenzene	0.82U	0.81 J	0.78U	0.78U	0.79U	0.79U	0.79U	0.8U	0.8U
sec-Butylbenzene	0.74U	0.71U	0.7U	0.7U	0.71U	0.71U	0.71U	0.72U	0.72U
p-Isopropyltoluene	0.71U	0.68U	0.68U	0.68U	0.69U	0.69U	0.69U	0.7U	0.7U
1,3-Dichlorobenzene	1.1U	1U	1U	1U	1U	1U	1U	1.1U	1.1U
1,4-Dichlorobenzene	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.4U	1.3U	1.3U	1.3U	1.4U	1.3U	1.4U	1.4U	1.4U
n-Butylbenzene	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.9U	2.8U	2.8U	2.8U	2.8U	2.8U	2.8U	2.9U	2.9U
1,2,4-Trichlorobenzene	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U
Hexachlorobutadiene	0.91U	0.87U	0.87U	0.86U	0.88U	0.88U	0.88U	0.9U	0.89U
Naphthalene	2U	2.7 J	1.9U	1.9U	1.9U	1.9U	1.9U	2U	1.9U
1,2,3-Trichlorobenzene	1.5U	1.5U	1.5U	1.4U	1.5U	1.5U	1.5U	1.5U	1.5U
Acetone	10.0U	9.6U	9.6U	11.3 J	15.5 J	11.7 J	31.0 J	63	35.4 J
2-Butanone	9.2U	8.8U	8.8U	8.7U	8.9U	8.8U	8.9U	9U	9.0U
4-Methyl-2-Pentanone	4.2U	4U	4U	4U	4.1U	4U	4.1U	4.1U	4.1U
BNAs (Method 8270)	***Concentration (µg/kg)***								
Phenol	50.2U	48.2U	48.0U	47.7U	48.6U	48.4U	48.7U	49.4U	49.3U
Bis(-2-Chloroethyl)Ether	47.8U	45.9U	45.8U	45.5U	46.3U	46.1U	46.4U	47.1U	47.0U
2-Chlorophenol	49.0U	47.0U	46.9U	46.6U	47.5U	47.2U	47.6U	48.3U	48.1U
1,3-Dichlorobenzene	52.5U	50.4U	50.2U	49.9U	50.8U	50.6U	51.0U	51.7U	51.5U
1,4-Dichlorobenzene	49.0U	47.0U	46.9U	46.6U	47.5U	47.2U	47.6U	48.3U	48.1U
Benzyl Alcohol	46.7U	44.8U	44.6U	44.3U	45.2U	45.0U	45.3U	46.0U	45.8U
1,2-Dichlorobenzene	64.2U	61.6U	61.4U	61.0U	62.1U	61.9U	62.3U	63.2U	63.0U
2-Methylphenol	52.5U	50.4U	50.2U	49.9U	50.8U	50.6U	51.0U	51.7U	51.5U
Bis(2-Chloroisopropyl)Ether	57.2U	54.9U	54.7U	54.3U	55.4U	55.1U	55.5U	56.3U	56.1U
4-Methylphenol	50.2U	48.2U	48.0U	47.7U	48.6U	48.4U	48.7U	49.4U	49.3U
N-Nitroso-Di-N-Propylamine	53.7U	51.5U	51.3U	51.0U	52.0U	51.7U	52.1U	52.9U	52.7U
Hexachloroethane	57.2U	54.9U	54.7U	54.3U	55.4U	55.1U	55.5U	56.3U	56.1U
Nitrobenzene	40.8U	39.2U	39.1U	38.8U	39.5U	39.4U	39.6U	40.2U	40.1U
Isophorone	32.7U	31.4U	31.3U	31.0U	31.6U	31.5U	31.7U	32.2U	32.1U
2-Nitrophenol	45.5U	43.7U	43.5U	43.2U	44.1U	43.9U	44.2U	44.8U	44.7U
2,4-Dimethylphenol	38.5U	37.0U	36.8U	36.6U	37.3U	37.1U	37.4U	37.9U	37.8U

Table 5-6 (continued)
Summary of Soil Analytical Data
for Soil Borings SB02-SB04

Analytes	SB02-0101	SB02-0109	SB02-0119	SB03-0101	SB03-0109	SB03-0119	SB04-0101	SB04-0109	SB04-0119
Benzoic Acid	95.7U	91.8U	91.5U	90.9U	92.7U	92.2U	92.9U	94.3U	93.9U
Bis(-2-Chloroethoxy)Methane	44.3U	42.6U	42.4U	42.1U	42.9U	42.7U	43.0U	43.7U	43.5U
2,4-Dichlorophenol	51.3U	49.3U	49.1U	48.8U	49.7U	49.5U	49.8U	50.6U	50.4U
1,2,4-Trichlorobenzene	44.3U	42.6U	42.4U	42.1U	42.9U	42.7U	43.0U	43.7U	43.5U
Naphthalene	44.3U	42.6U	42.4U	42.1U	42.9U	42.7U	43.0U	43.7U	43.5U
4-Chloroaniline	161U	155U	154U	153U	156U	155U	156U	159U	158U
Hexachlorobutadiene	47.8U	45.9U	45.8U	45.5U	46.3U	46.1U	46.4U	47.1U	47.0U
4-Chloro-3-Methylphenol	42.0U	40.3U	40.2U	39.9U	40.7U	40.5U	40.8U	41.4U	41.2U
2-Methylnaphthalene	42.0U	40.3U	40.2U	39.9U	40.7U	40.5U	40.8U	41.4U	41.2U
Hexachlorocyclopentadiene	39.7U	38.1U	37.9U	37.7U	38.4U	38.2U	38.5U	39.1U	38.9U
2,4,6-Trichlorophenol	38.5U	37.0U	36.8U	36.6U	37.3U	37.1U	37.4U	37.9U	37.8U
2,4,5-Trichlorophenol	43.2U	41.4U	41.3U	41.0U	41.8U	41.6U	41.9U	42.5U	42.4U
2-Chloronaphthalene	40.8U	39.2U	39.1U	38.8U	39.5U	39.4U	39.6U	40.2U	40.1U
2-Nitroaniline	30.3U	29.1U	29.0U	28.8U	29.4U	29.2U	29.4U	29.9U	29.8U
Dimethyl Phthalate	36.2U	34.7U	34.6U	34.4U	35.0U	34.9U	35.1U	35.6U	35.5U
Acenaphthylene	45.5U	43.7U	43.5U	43.2U	44.1U	43.9U	44.2U	44.8U	44.7U
2,6-Dinitrotoluene	37.3U	35.8U	35.7U	35.5U	36.2U	36.0U	36.2U	36.8U	36.7U
3-Nitroaniline	91.0U	87.3U	87.1U	86.5U	88.1U	87.7U	88.3U	89.7U	89.3U
Acenaphthene	37.3U	35.8U	35.7U	35.5U	36.2U	36.0U	36.2U	36.8U	36.7U
2,4-Dinitrophenol	35.0U	33.6U	33.5U	33.3U	33.9U	33.7U	34.0U	34.5U	34.4U
4-Nitrophenol	54.8U	52.6U	52.5U	52.1U	53.1U	52.9U	53.2U	54.0U	53.8U
Dibenzofuran	39.7U	38.1U	37.9U	37.7U	38.4U	38.2U	38.5U	39.1U	38.9U
2,4-Dinitrotoluene	35.0U	33.6U	33.5U	33.3U	33.9U	33.7U	34.0U	34.5U	34.4U
Diethylphthalate	42.0U	40.3U	40.2U	39.9U	40.7U	40.5U	40.8U	41.4U	41.2U
4-Chlorophenyl-Phenylether	39.7U	38.1U	37.9U	37.7U	38.4U	38.2U	38.5U	39.1U	38.9U
Fluorene	40.8U	39.2U	39.1U	38.8U	39.5U	39.4U	39.6U	40.2U	40.1U
4-Nitroaniline	68.8U	66.1U	65.8U	65.4U	66.7U	66.4U	66.8U	67.8U	67.6U
4,6-Dinitro-2-Methylphenol	53.7U	51.5U	51.3U	51.0U	52.0U	51.7U	52.1U	52.9U	52.7U
N-Nitrosodiphenylamine	45.5U	43.7U	43.5U	43.2U	44.1U	43.9U	44.2U	44.8U	44.7U
4-Bromophenyl-Phenylether	40.8U	39.2U	39.1U	38.8U	39.5U	39.4U	39.6U	40.2U	40.1U
Phenanthrene	35.0U	33.6U	33.5U	33.3U	33.9U	33.7U	34.0U	34.5U	34.4U
Hexachlorobenzene	36.2U	34.7U	34.6U	34.4U	35.0U	34.9U	35.1U	35.6U	35.5U
Pentachlorophenol	65.3U	62.7U	62.5U	62.1U	63.3U	63.0U	63.4U	64.4U	64.1U
Anthracene	33.8U	32.5U	32.4U	32.2U	32.8U	32.6U	32.8U	33.3U	33.2U
Di-N-Butylphthalate	25.7U	24.6U	24.6U	603	154 J	802 B	24.9U	25.3U	25.2U
Fluoranthene	32.7U	31.4U	31.3U	31.0U	31.6U	31.5U	36.2 J	32.2U	32.1U
Pyrene	32.7U	31.4U	31.3U	31.0U	31.6U	31.5U	32.9 J	32.2U	32.1U
Butylbenzylphthalate	35.0U	33.6U	33.5U	33.3U	33.9U	33.7U	34.0U	34.5U	34.4U
3,3'-Dichlorobenzidine	275U	264U	263U	262U	267U	265U	267U	271U	270U
Benzo(a)Anthracene	28.0U	26.9U	26.8U	26.6U	27.1U	27.0U	27.2U	27.6U	27.5U
Chrysene	29.2U	28.0U	27.9U	27.7U	28.2U	28.1U	28.3U	28.7U	28.6U
Bis(2-Ethylhexyl)Phthalate	36.2U	34.7U	34.6U	34.4U	35.0U	34.9U	35.1U	35.6U	35.5U
Di-N-Octyl Phthalate	32.7U	31.4U	31.3U	31.0U	31.6U	31.5U	31.7U	32.2U	32.1U

Table 5-6 (continued)
Summary of Soil Analytical Data
for Soil Borings SB02-SB04

Analytes	SB02-0101	SB02-0109	SB02-0119	SB03-0101	SB03-0109	SB03-0119	SB04-0101	SB04-0109	SB04-0119
Benzo(b)Fluoranthene	61.8U	59.4U	59.2U	58.8U	59.9U	59.6U	60.0U	60.9U	60.7U
Benzo(k)Fluoranthene	77.0U	73.9U	73.7U	73.2U	74.6U	74.2U	74.7U	75.9U	75.6U
Benzo(a)Pyrene	33.8U	32.5U	32.4U	32.2U	32.8U	32.6U	32.8U	33.3U	33.2U
Indeno(1,2,3-cd)Pyrene	38.5U	37.0U	36.8U	36.6U	37.3U	37.1U	37.4U	37.9U	37.8U
Dibenzo(a,h)Anthracene	36.2U	34.7U	34.6U	34.4U	35.0U	34.9U	35.1U	35.6U	35.5U
Inorganics	***Concentrations (mg/kg)***								
Aluminum	9990	7990	5590	5510	4370	6030	5460	4420	5710
Antimony	5.7 J	3.7 J	2.9 J	2.3 J	2.3 J	2.6 J	2.8 J	2.3UJ	4.5 J
Arsenic	2.7	1.4	1.6	1.3	1.1	1.8	1.4	1.2	2.1
Barium	95.7	67.4	241	53.6	116	342	71.8	897	79.9
Beryllium	0.64	0.51	0.42	0.42	0.34	0.47	0.43	0.33	0.44
Cadmium	0.58U	0.56U	0.56U	0.55U	0.56U	0.56U	0.57U	0.57U	0.57U
Calcium	2850	1870	52300	2170	94500	38000	7870	116000	72200
Chromium	10.6	8.9	5.7	6.2	3.8	6.3	6.9	4.4	4.8
Cobalt	4.9	3.7	2.8	2.7	2.1	2.8	3.5	3.6	3.5
Copper	6.6	5.9	3.5	4.4	2	3.2	5.9	2.6	4.9
Iron	10700	8610	5800	5690	3510	5860	6330	3880	5320
Lead	20.4	7.1	6.2	4.2	3.2	6.5	5.7	3.5	6.7
Magnesium	1530	1250	3120	990	2320	3050	1220	3170	3870
Manganese	266 J	134 J	86.8 J	77.8 J	44.3 J	38.7 J	125 J	51.9 J	109 J
Mercury	0.093U	0.09U	0.089U	0.089U	0.09U	0.090U	0.091U	0.092U	0.092U
Nickel	9.4	7.5	7.3	6.3	5	5.5	7.3	5	8
Potassium	1950	1460	1760	1140	1200	1880	1230	1120	1930
Selenium	0.29UJ	0.28UJ	0.28UJ	0.28UJ	0.28UJ	0.28UJ	0.028UJ	0.029UJ	0.029UJ
Silver	0.58U	0.56U	0.56U	0.55U	0.56U	25.1	0.57U	0.57U	0.57U
Sodium	71.5	67.6	207	51.3	78.6	84.4	104	103	270
Thallium	0.12U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U
Vanadium	21.3	17.3	20.2	12.2	9.8	22.0	14.0	11.2	19.2
Zinc	23.8	18.0	11.0	11.9	10.2	11.5	16.3	11.5	13.5
Cyanide, Total	0.54U	0.52U	0.55U	0.56U	0.57U	0.54U	0.55U	0.54U	0.57U
Petroleum Hydrocarbons	145	27.8	16.7U	24.2	16.9U	16.9U	3270	139	17.2U
	(%)								
Solids, Total	85.7	89.3	89.6	90.2	88.5	88.9	88.3	87.0	87.3

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-7
Summary of Soil Analytical Data
for Soil Borings SB05-SB07

Analytes	SB05-0101	SB05-0109	SB05-0112	SB06-0101	SB06-0107	SB06-0117	SB07-0101	SB07-0109	SB07-0119
VOAs (Method 8260A)	***Concentration (µg/kg)***								
Dichlorodifluoromethane	2.3U	2.2U	2.3U	2.3U	2.4U	2.3U	2.4U	2.4U	2.4U
Chloromethane	1.6U	1.6U	1.6U	1.6U	1.7U	1.6U	1.7U	1.7U	1.7U
Vinyl Chloride	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U
Bromomethane	0.85U	0.84U	0.86U	0.85U	0.89U	0.87U	0.91U	0.91U	0.89U
Chloroethane	1.6U	1.6U	1.6U	1.6U	1.7U	1.6U	1.7U	1.7U	1.7U
Trichlorofluoromethane	2.6U	2.6U	2.6U	2.6U	2.7U	2.6U	2.8U	2.8U	2.7U
1,1-Dichloroethene	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U
Methylene Chloride	2.7U	2.7U	2.7U	2.7U	2.8U	2.7U	2.9U	2.9U	2.8U
trans-1,2-Dichloroethene	0.70U	0.69U	0.7U	0.7U	0.73U	0.71U	0.75U	0.75U	0.73U
1,1-Dichloroethane	0.70U	0.69U	0.7U	0.7U	0.73U	0.71U	0.75U	0.75U	0.73U
Carbon Disulfide	1.6U	1.6U	1.6U	1.6U	1.7U	1.6U	1.7U	1.7U	1.7U
2,2-Dichloropropane	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.4U	1.4U	1.3U
cis-1,2-dichloroethene	0.75U	0.75U	0.76U	0.76U	0.78U	0.77U	0.81U	0.81U	0.78U
Bromochloromethane	0.88U	0.87U	0.89U	0.88U	0.92U	0.90U	0.94U	0.95U	0.92U
Chloroform	0.86U	0.85U	0.87U	0.86U	0.9U	0.88U	0.92U	0.92U	0.9U
1,1,1-Trichloroethane	0.55U	0.54U	0.55U	0.55U	0.57U	0.56U	0.59U	0.59U	0.57U
1,1-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.2U	1.1U
Carbon Tetrachloride	1.1U	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Benzene	0.56U	0.55U	0.56U	0.56U	0.58U	0.57U	0.6U	0.6U	0.58U
1,2-Dichloroethane	0.87U	0.86U	0.88U	0.87U	0.91U	0.89U	0.93U	0.94U	0.91U
Trichloroethene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U	1.2U
1,2-Dichloropropane	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U	1.2U
Bromodichloromethane	0.71U	0.7U	0.72U	0.71U	0.74U	0.72U	0.76U	0.76U	0.74U
Dibromomethane	1U	1U	1U	1U	1.1U	1.1U	1.1U	1.1U	1.1U
cis-1,3-Dichloropropene	1U	1U	1.1U	1U	1.1U	1.1U	1.1U	1.1U	1.1U
Toluene	0.86U	0.85U	0.87U	0.86U	0.93 J	0.88U	1.0 J	0.92U	0.9U
trans-1,3-Dichloropropene	0.64U	0.63U	0.64U	0.64U	0.66U	0.65U	0.68U	0.68U	0.66U
1,1,2-Trichloroethane	0.87U	0.86U	0.88U	0.87U	0.91U	0.89U	0.93U	0.94U	0.91U
1,2-Dibromoethane	0.95U	0.94U	0.95U	0.95U	0.99U	0.97U	1U	1U	0.99U
Tetrachloroethene	0.84U	0.83U	0.85U	0.84U	0.87U	0.86U	0.9U	0.9U	0.87U
1,3-Dichloropropane	0.93U	0.92U	0.93U	0.93U	0.96U	0.94U	0.99U	0.99U	0.96U
Dibromochloromethane	0.62U	0.62U	0.63U	0.63U	0.65U	0.64U	0.67U	0.67U	0.65U
Chlorobenzene	0.61U	0.61U	0.62U	0.61U	0.64U	0.63U	0.66U	0.66U	0.64U
1,1,1,2-Tetrachloroethane	0.53U	0.52U	0.53U	0.53U	0.55U	0.54U	0.56U	0.57U	0.55U
Ethylbenzene	0.75U	0.75U	0.76U	0.76U	0.78U	0.77U	0.81U	0.81U	0.78U
m & p-Xylene	1.1U	1.1U	1.1U	1.1U	1.4 J	1.3 J	1.3 J	1.2U	1.1U
o-Xylene	0.5U	0.49U	0.5U	0.5U	0.52U	0.5U	0.53U	0.53U	0.52U
Styrene	0.65U	0.64U	0.65U	0.65U	0.67U	0.66U	0.69U	0.69U	0.67U
2-Hexanone	4.6U	4.6U	4.7U	4.6U	4.8U	4.7U	4.9U	5U	4.8U
Bromoform	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.4U	1.4U	1.3U
Isopropylbenzene	0.71U	0.7U	0.72U	0.71U	0.74U	0.72U	0.76U	0.76U	0.74U

Table 5-7 (Continued)
Summary of Soil Analytical Data
for Soil Borings SB05-SB07

Analytes	SB05-0101	SB05-0109	SB05-0112	SB06-0101	SB06-0107	SB06-0117	SB07-0101	SB07-0109	SB07-0119
1,1,2,2-Tetrachloroethane	2.4U	2.3U	2.4U	2.4U	2.5U	2.4U	2.5U	2.5U	2.5U
Bromobenzene	1U	1.0U	1U	1U	1.1U	1U	1.1U	1.1U	1.1U
1,2,3-Trichloropropane	2.2U	2.1U	2.2U	2.2U	2.2U	2.2U	2.3U	2.3U	2.2U
n-Propylbenzene	0.62U	0.62U	0.63U	0.63U	0.65U	0.64U	0.67U	0.67U	0.65U
2-Chlorotoluene	0.84U	0.83U	0.85U	0.84U	0.87U	0.86U	0.9U	0.9U	0.87U
4-Chlorotoluene	0.86U	0.85U	0.87U	0.86U	0.9U	0.88U	0.92U	0.92U	0.9U
1,3,5-Trimethylbenzene	0.54U	0.53U	0.54U	0.54U	0.56U	0.55U	0.58U	0.58U	0.56U
tert-Butylbenzene	0.58U	0.58U	0.59U	0.58U	0.61U	0.59U	0.62U	0.62U	0.61U
1,2,4-Trimethylbenzene	0.75U	0.75U	0.76U	0.76U	0.78U	0.77U	0.81U	0.81U	0.78U
sec-Butylbenzene	0.68U	0.67U	0.68U	0.68U	0.71U	0.69U	0.72U	0.73U	0.71U
p-Isopropyltoluene	0.66U	0.65U	0.66U	0.66U	0.68U	0.67U	0.7U	0.71U	0.68U
1,3-Dichlorobenzene	0.99U	0.98U	1U	0.99U	1U	1U	1.1U	1.1U	1U
1,4-Dichlorobenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.2U	1.1U
1,2-Dichlorobenzene	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.4U	1.4U	1.3U
n-Butylbenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.2U	1.1U
1,2-Dibromo-3-Chloropropane	2.7U	2.7U	2.7U	2.7U	2.8U	2.7U	2.9U	2.9U	2.8U
1,2,4-Trichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.3U	1.2U
Hexachlorobutadiene	0.84U	0.83U	0.85U	0.84U	0.87U	0.86U	0.9U	0.9U	0.87U
Naphthalene	1.8U	1.8U	1.8U	1.8U	1.9U	1.9U	2U	2U	1.9U
1,2,3-Trichlorobenzene	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U
Acetone	14.0 J	15.7 J	12.6 J	11.9 J	45.8 J	17.0 J	31.8 J	31.2 J	38.9 J
2-Butanone	8.5U	8.4U	8.5U	8.5U	15.2 J	8.6U	9U	9.1U	8.8U
4-Methyl-2-Pentanone	3.9U	3.8U	3.9U	3.9U	4U	4U	4.1U	4.2U	4U
BNAs (Method 8270)	***Concentration (µg/kg)***								
Phenol	46.3U	45.8U	46.6U	46.4U	48.2U	47.2U	49.5U	49.7U	48.2U
Bis(-2-Chloroethyl)Ether	44.1U	43.7U	44.4U	44.2U	46.0U	45.0U	47.2U	47.4U	46.0U
2-Chlorophenol	45.2U	44.8U	45.5U	45.3U	47.1U	46.1U	48.3U	48.6U	47.1U
1,3-Dichlorobenzene	48.4U	48.0U	48.8U	48.5U	50.4U	49.4U	51.8U	52.0U	50.4U
1,4-Dichlorobenzene	45.2U	44.8U	45.5U	45.3U	47.1U	46.1U	48.3U	48.6U	47.1U
Benzyl Alcohol	43.1U	42.6U	43.3U	43.1U	44.8U	43.9U	46.0U	46.2U	44.8U
1,2-Dichlorobenzene	59.2U	58.6U	59.6U	59.3U	61.7U	60.4U	63.3U	63.6U	61.7U
2-Methylphenol	48.4U	48.0U	48.8U	48.5U	50.4U	49.4U	51.8U	52.0U	50.4U
Bis(2-Chloroisopropyl)Ether	52.7U	52.2U	53.1U	52.9U	54.9U	53.8U	56.4U	56.6U	54.9U
4-Methylphenol	46.3U	45.8U	46.6U	46.4U	48.2U	47.2U	49.5U	49.7U	48.2U
N-Nitroso-Di-N-Propylamine	49.5U	49.0U	49.8U	49.6U	51.6U	50.5U	52.9U	53.2U	51.6U
Hexachloroethane	52.7U	52.2U	53.1U	52.9U	54.9U	53.8U	56.4U	56.6U	54.9U
Nitrobenzene	37.7U	37.3U	37.9U	37.8U	39.2U	38.4U	40.3U	40.5U	39.2U
Isophorone	30.1U	29.9U	30.3U	30.2U	31.4U	30.7U	32.2U	32.4U	31.4U
2-Nitrophenol	42.0U	41.6U	42.3U	42.1U	43.7U	42.8U	44.9U	45.1U	43.7U
2,4-Dimethylphenol	35.5U	35.2U	35.8U	35.6U	37.0U	36.2U	38.0U	38.2U	37.0U
Benzoic Acid	88.3U	87.4U	88.8U	88.5U	91.9U	90.0U	94.4U	94.8U	91.9U
Bis(-2-Chloroethoxy)Methane	40.9U	40.5U	41.2U	41.0U	42.6U	41.7U	43.7U	43.9U	42.6U
2,4-Dichlorophenol	47.4U	46.9U	47.7U	47.5U	49.3U	48.3U	50.6U	50.9U	49.3U

Table 5-7 (Continued)
Summary of Soil Analytical Data
for Soil Borings SB05-SB07

Analytes	SB05-0101	SB05-0109	SB05-0112	SB06-0101	SB06-0107	SB06-0117	SB07-0101	SB07-0109	SB07-0119
1,2,4-Trichlorobenzene	40.9U	40.5U	41.2U	41.0U	42.6U	41.7U	43.7U	43.9U	42.6U
Naphthalene	40.9U	40.5U	41.2U	41.0U	42.6U	41.7U	43.7U	43.9U	42.6U
4-Chloroaniline	149U	147U	150U	149U	155U	151U	159U	160U	155U
Hexachlorobutadiene	44.1U	43.7U	44.4U	44.2U	46.0U	45.0U	47.2U	47.4U	46.0U
4-Chloro-3-Methylphenol	38.8U	38.4U	39.0U	38.8U	40.4U	39.5U	41.4U	41.6U	40.4U
2-Methylnaphthalene	38.8U	38.4U	39.0U	38.8U	40.4U	39.5U	41.4U	41.6U	40.4U
Hexachlorocyclopentadiene	36.6U	36.2U	36.8U	36.7U	38.1U	37.3U	39.1U	39.3U	38.1U
2,4,6-Trichlorophenol	35.5U	35.2U	35.8U	35.6U	37.0U	36.2U	38.0U	38.2U	37.0U
2,4,5-Trichlorophenol	39.8U	39.4U	40.1U	39.9U	41.5U	40.6U	42.6U	42.8U	41.5U
2-Chloronaphthalene	37.7U	37.3U	37.9U	37.8U	39.2U	38.4U	40.3U	40.5U	39.2U
2-Nitroaniline	28.0U	27.7U	28.2U	28.0U	29.1U	28.5U	29.9U	30.1U	29.1U
Dimethyl Phthalate	33.4U	33.0U	33.6U	33.4U	34.8U	34.0U	35.7U	35.8U	34.8U
Acenaphthylene	42.0U	41.6U	42.3U	42.1U	43.7U	42.8U	44.9U	45.1U	43.7U
2,6-Dinitrotoluene	34.4U	34.1U	34.7U	34.5U	35.9U	35.1U	36.8U	37.0U	35.9U
3-Nitroaniline	84.0U	83.2U	84.5U	84.1U	87.4U	85.6U	89.8U	90.2U	87.4U
Acenaphthene	34.4U	34.1U	34.7U	34.5U	35.9U	35.1U	36.8U	37.0U	35.9U
2,4-Dinitrophenol	32.3U	32.0U	32.5U	32.4U	33.6U	32.9U	34.5U	34.7U	33.6U
4-Nitrophenol	50.6U	50.1U	50.9U	50.7U	52.7U	51.6U	54.1U	54.3U	52.7U
Dibenzofuran	36.6U	36.2U	36.8U	36.7U	38.1U	37.3U	39.1U	39.3U	38.1U
2,4-Dinitrotoluene	32.3U	32.0U	32.5U	32.4U	33.6U	32.9U	34.5U	34.7U	33.6U
Diethylphthalate	38.8U	38.4U	39.0U	38.8U	40.4U	39.5U	41.4U	41.6U	40.4U
4-Chlorophenyl-Phenylether	36.6U	36.2U	36.8U	36.7U	38.1U	37.3U	39.1U	39.3U	38.1U
Fluorene	37.7U	37.3U	37.9U	37.8U	39.2U	38.4U	40.3U	40.5U	39.2U
4-Nitroaniline	63.5U	62.9U	63.9U	63.6U	66.1U	64.8U	67.9U	68.2U	66.1U
4,6-Dinitro-2-Methylphenol	49.5U	49.0U	49.8U	49.6U	51.6U	50.5U	52.9U	53.2U	51.6U
N-Nitrosodiphenylamine	42.0U	41.6U	42.3U	42.1U	43.7U	42.8U	44.9U	45.1U	43.7U
4-Bromophenyl-Phenylether	37.7U	37.3U	37.9U	37.8U	39.2U	38.4U	40.3U	40.5U	39.2U
Phenanthrene	32.3U	32.0U	32.5U	32.4U	33.6U	32.9U	34.5U	34.7U	33.6U
Hexachlorobenzene	33.4U	33.0U	33.6U	33.4U	34.8U	34.0U	35.7U	35.8U	34.8U
Pentachlorophenol	60.3U	59.7U	60.7U	60.3U	62.8U	61.5U	64.4U	64.7U	62.8U
Anthracene	31.2U	30.9U	31.4U	31.3U	32.5U	31.8U	33.4U	33.5U	32.5U
Di-N-Butylphthalate	42.1 JB	111 JB	23.8U	75.8 JB	24.7U	399 B	483	25.4U	236 J
Fluoranthene	30.1U	29.9U	30.3U	30.2U	31.4U	30.7U	32.2U	32.4U	31.4U
Pyrene	30.1U	29.9U	30.3U	30.2U	31.4U	30.7U	32.2U	32.4U	31.4U
Butylbenzylphthalate	32.3U	32.0U	32.5U	32.4U	33.6U	32.9U	34.5U	34.7U	33.6U
3,3'-Dichlorobenzidine	254U	252U	256U	255U	265U	259U	272U	273U	265U
Benzo(a)Anthracene	25.8U	25.6U	26.0U	25.9U	26.9U	26.3U	27.6U	27.7U	26.9U
Chrysene	26.9U	26.7U	27.1U	27.0U	28.0U	27.4U	28.8U	28.9U	28.0U
Bis(2-Ethylhexyl)Phthalate	33.4U	33.0U	33.6U	33.4U	34.8U	34.0U	35.7U	35.8U	34.8U
Di-N-Octyl Phthalate	30.1U	29.9U	30.3U	30.2U	31.4U	30.7U	32.2U	32.4U	31.4U
Benzo(b)Fluoranthene	57.1U	56.5U	57.4U	57.2U	59.4U	58.2U	61.0U	61.3U	59.4U
Benzo(k)Fluoranthene	71.0U	70.4U	71.5U	71.2U	74.0U	72.4U	75.9U	76.3U	74.0U
Benzo(a)Pyrene	31.2U	30.9U	31.4U	31.3U	32.5U	31.8U	33.4U	33.5U	32.5U

Table 5-7 (Continued)
Summary of Soil Analytical Data
for Soil Borings SB05-SB07

Analytes	SB05-0101	SB05-0109	SB05-0112	SB06-0101	SB06-0107	SB06-0117	SB07-0101	SB07-0109	SB07-0119
Indeno(1,2,3-cd)Pyrene	35.5U	35.2U	35.8U	35.6U	37.0U	36.2U	38.0U	38.2U	37.0U
Dibenzo(a,h)Anthracene	33.4U	33.0U	33.6U	33.4U	34.8U	34.0U	35.7U	35.8U	34.8U
Inorganics	***Concentration (mg/kg)***								
Aluminum	6490	3420	4770	5720	3760	3160	8900	6920	5520
Antimony	3.0 J	2.1UJ	2.5 J	2.2UJ	2.5 J	2.2UJ	3.3 J	2.3UJ	2.3 J
Arsenic	1.6	1.5	1.1	1.5	1.8	2	1.7	1.4	3
Barium	69.1	258	86.0	91.9	562	128	76.8	1030	414
Beryllium	0.45	0.41	0.46	0.41	0.31	0.25	0.58	0.69	0.37
Cadmium	0.54U	0.53U	0.54U	0.54U	0.56U	0.55U	0.58U	0.58U	0.56U
Calcium	3050	67700	37200	28500	150000	148000	2110	118000	119000
Chromium	7.6	3.4	4.6	6.2	4.5	3.1	9.8	2.2	5.3
Cobalt	3.5	2.5	2.5	2.6	2.7	1.6	4.3	3.1	2.4
Copper	8.0	3.1	3.2	6.3	2.8	1.9	6.5	3.2	3
Iron	7930	3680	4860	6200	4150	3000	9680	2740	5090
Lead	9.7	3.6	3.9	9	3.3	2.2	8.7	7	2.9
Magnesium	1070	1890	2460	1180	2450	2450	1460	3640	3560
Manganese	162 J	76.1 J	95.4 J	101 J	57.5 J	28.7 J	163 J	82.2 J	36.9 J
Mercury	0.086U	0.085U	0.087U	0.086U	0.09U	0.088U	0.092U	0.092U	0.09U
Nickel	7.3	3.8	5.4	6.3	4.7	4.3	8.4	5	5.4
Potassium	1450	859	1430	1810	905	900	1540	1050	1600
Selenium	0.27U	0.27U	0.27U	0.27U	0.28U	0.27U	0.29U	0.29U	0.28U
Silver	0.54U	0.53U	0.54U	0.54U	0.56U	0.55U	0.58U	0.58U	0.56U
Sodium	80.3	243	259	117	129	216	79.0	159	314
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.12U	0.12U	0.11U
Vanadium	16.6	15.3	14.0	13.8	11.9	15.4	19.5	7.1	24.7
Zinc	18.9	9	11.5	15.2	9.1	6.3	22.1	11.7	9.9
Cyanide, Total	0.53U	0.53U	0.54U	0.54U	0.56U	0.54U	0.54U	0.55U	0.54U
Petroleum Hydrocarbons	73.9	16.0U	16.3U	118	44.2	16.5U	28.5	18.5	16.8U
	(%)								
Solids, Total	92.9	93.8	92.3	92.7	89.2	91.1	86.9	86.5	89.2

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-8
Summary of Soil Analytical Data
for Soil Borings SB08-SB10

Analytes	SB08-0101	SB08-0103	SB08-0110	SB09-0101	SB09-0102	SB09-0115	SB10-0101	SB10-0106	SB10-0110
VOAs (Method 8260A)	***Concentration (µg/kg)***								
Dichlorodifluoromethane	2.3U	2.3U	2.2U	2.3U	2.2U	2.3U	2.3U	2.3U	2.3U
Chloromethane	1.6U	1.7U	1.6U	1.6U	1.6U	1.7U	1.7U	1.7U	1.7U
Vinyl Chloride	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U
Bromomethane	0.85U	0.88U	0.84U	0.86U	0.84U	0.87U	0.87U	0.88U	0.88U
Chloroethane	1.6U	1.7U	1.6U	1.6U	1.6U	1.7U	1.7U	1.7U	1.7U
Trichlorofluoromethane	2.6U	2.7U	2.5U	2.6U	2.5U	2.6U	2.6U	2.7U	2.7U
1,1-Dichloroethene	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U
Methylene Chloride	2.7U	2.8U	3.9 JB	4.6 JB	3.5 JB	5 JB	2.8U	2.8U	5.7 B
trans-1,2-Dichloroethene	0.7U	0.72U	0.69U	0.71U	0.69U	0.72U	0.72U	0.73U	0.72U
1,1-Dichloroethane	0.7U	0.72U	0.69U	0.71U	0.69U	0.72U	0.72U	0.73U	0.72U
Carbon Disulfide	1.6U	1.7U	1.6U	1.6U	1.6U	1.7U	1.7U	1.7U	1.7U
2,2-Dichloropropane	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
cis-1,2-dichloroethene	0.76U	0.78U	0.74U	0.76U	0.74U	0.77U	0.77U	0.78U	0.78U
Bromochloromethane	0.89U	0.91U	0.87U	0.89U	0.87U	0.9U	0.91U	0.92U	0.91U
Chloroform	0.86U	0.89U	0.85U	0.87U	0.85U	0.88U	0.88U	0.89U	0.89U
1,1,1-Trichloroethane	0.55U	0.57U	0.54U	0.56U	0.54U	0.56U	0.56U	0.57U	0.57U
1,1-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1.1U	1.1U	1U	1.1U	1U	1.1U	1.1U	1.1U	1.1U
Benzene	0.56U	0.58U	0.55U	0.57U	0.55U	0.57U	0.57U	0.58U	0.58U
1,2-Dichloroethane	0.88U	0.9U	0.86U	0.88U	0.86U	0.89U	0.89U	0.9U	0.9U
Trichloroethene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloropropane	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Bromodichloromethane	0.71U	0.73U	0.7U	0.72U	0.7U	0.73U	0.73U	.74U	0.73U
Dibromomethane	1U	1.1U	1U	1U	1U	1.1U	1.1U	1.1U	1.1U
cis-1,3-Dichloropropene	1U	1.1U	1U	1.1U	1U	1.1U	1.1U	1.1U	1.1U
Toluene	0.86U	0.89U	0.85U	0.87U	0.85U	0.88U	0.88U	0.89U	0.89U
trans-1,3-Dichloropropene	0.64U	0.66U	0.63U	0.64U	0.63U	0.65U	0.65U	0.66U	0.66U
1,1,2-Trichloroethane	0.88U	0.9U	0.86U	0.88U	0.86U	0.89U	0.89U	0.9U	0.9U
1,2-Dibromoethane	0.95U	0.98U	0.93U	0.96U	0.93U	0.97U	0.97U	0.98U	0.98U
Tetrachloroethene	0.84U	0.87U	0.83U	0.85U	0.83U	0.86U	0.86U	0.87U	0.87U
1,3-Dichloropropane	0.93U	0.96U	0.91U	0.94U	0.91U	0.95U	0.95U	0.96U	0.96U
Dibromochloromethane	0.63U	0.65U	0.62U	0.63U	0.62U	0.64U	0.64U	0.65U	0.65U
Chlorobenzene	0.62U	0.63U	0.61U	0.62U	0.61U	0.63U	0.63U	0.64U	0.63U
1,1,1,2-Tetrachloroethane	0.53U	0.55U	0.52U	0.53U	0.52U	0.54U	0.54U	0.55U	0.55U
Ethylbenzene	0.76U	0.78U	0.74U	0.76U	0.74U	0.77U	0.77U	0.78U	0.78U
m & p-Xylene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.5U	0.51U	0.49U	0.5U	0.49U	0.51U	0.51U	0.51U	0.51U
Styrene	0.65U	0.67U	0.64U	0.65U	0.64U	0.66U	0.66U	0.67U	0.67U
2-Hexanone	4.6U	4.8U	4.6U	4.7U	4.6U	4.7U	4.7U	4.8U	4.8U
Bromoform	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Isopropylbenzene	0.71U	0.73U	0.7U	0.72U	0.7U	0.73U	0.73U	0.74U	0.73U

Table 5-8 (continued)
Summary of Soil Analytical Data
for Soil Borings SB08-SB10

Analytes	SB08-0101	SB08-0103	SB08-0110	SB09-0101	SB09-0102	SB09-0115	SB10-0101	SB10-0106	SB10-0110
1,1,2,2-Tetrachloroethane	2.4U	2.4U	2.3U	2.4U	2.3U	2.4U	2.4U	2.5U	2.4U
Bromobenzene	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2,3-Trichloropropane	2.2U	2.2U	2.1U	2.2U	2.1U	2.2U	2.2U	2.2U	2.2U
n-Propylbenzene	0.63U	0.65U	0.62U	0.63U	0.62U	0.64U	0.64U	0.65U	0.65U
2-Chlorotoluene	0.84U	0.87U	0.83U	0.85U	0.83U	0.86U	0.86U	0.87U	0.87U
4-Chlorotoluene	0.86U	0.89U	0.85U	0.87U	0.85U	0.88U	0.88U	0.89U	0.89U
1,3,5-Trimethylbenzene	0.54U	0.56U	0.53U	0.54U	0.53U	0.55U	0.55U	0.56U	0.56U
tert-Butylbenzene	0.58U	0.6U	0.57U	0.59U	0.57U	0.59U	0.6U	0.6U	0.6U
1,2,4-Trimethylbenzene	0.76U	0.78U	0.74U	0.76U	0.74U	0.77U	0.77U	0.78U	0.78U
sec-Butylbenzene	0.68U	0.7U	0.67U	0.69U	0.67U	0.69U	0.7U	0.7U	0.7U
p-Isopropyltoluene	0.66U	0.68U	0.65U	0.66U	0.65U	0.67U	0.67U	0.68U	0.68U
1,3-Dichlorobenzene	0.99U	1U	0.98U	1U	.98U	1U	1U	1U	1U
1,4-Dichlorobenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
n-Butylbenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.7U	2.8U	2.7U	2.7U	2.7U	2.8U	2.8U	2.8U	2.8U
1,2,4-Trichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Hexachlorobutadiene	0.84U	0.87U	0.83U	0.85U	0.83U	0.86U	0.86U	0.87U	0.87U
Naphthalene	1.8U	1.9U	1.8U	1.9U	1.8U	1.9U	1.9U	1.9U	1.9U
1,2,3-Trichlorobenzene	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.5U	1.4U
Acetone	9.3U	9.6U	9.1U	9.4U	9.1U	11.0J	9.5U	13.2J	9.6U
2-Butanone	8.5U	8.8U	8.3U	8.6U	8.3U	8.6U	8.7U	8.8U	8.7U
4-Methyl-2-Pentanone	3.9U	4U	3.8U	3.9U	3.8U	4U	4U	4U	4U
BNAs (Method 8270)	***Concentration (µg/kg)***								
Phenol	46.5U	47.9U	45.6U	46.8U	45.6U	47.3U	47.5U	48.0U	47.8U
Bis(-2-Chloroethyl)Ether	44.3U	45.7U	43.5U	44.7U	43.5U	45.1U	45.3U	45.8U	45.6U
2-Chlorophenol	45.4U	46.8U	44.6U	45.8U	44.6U	46.2U	46.4U	46.9U	46.7U
1,3-Dichlorobenzene	48.6U	50.1U	47.8U	49.0U	47.8U	49.5U	49.7U	50.2U	50.1U
1,4-Dichlorobenzene	45.4U	46.8U	44.6U	45.8U	44.6U	46.2U	46.4U	46.9U	46.7U
Benzyl Alcohol	43.2U	44.5U	42.5U	43.6U	42.5U	44.0U	44.2U	44.6U	44.5U
1,2-Dichlorobenzene	59.5U	61.2U	58.4U	59.9U	58.4U	60.5U	60.7U	61.4U	61.2U
2-Methylphenol	48.6U	50.1U	47.8U	49.0U	47.8U	49.5U	49.7U	50.2U	50.1U
Bis(2-Chloroisopropyl)Ether	53.0U	54.6U	52.0U	53.4U	52.0U	53.9U	54.1U	54.7U	54.5U
4-Methylphenol	46.5U	47.9U	45.6U	46.8U	45.6U	47.3U	47.5U	48.0U	47.8U
N-Nitroso-Di-N-Propylamine	49.7U	51.2U	48.8U	50.1U	48.8U	50.6U	50.8U	51.3U	51.2U
Hexachloroethane	53.0U	54.6U	52.0U	53.4U	52.0U	53.9U	54.1U	54.7U	54.5U
Nitrobenzene	37.8U	39.0U	37.2U	38.1U	37.2U	38.5U	38.6U	39.1U	38.9U
Isophorone	30.3U	31.2U	29.7U	30.5U	29.7U	30.8U	30.9U	31.3U	31.1U
2-Nitrophenol	42.2U	43.4U	41.4U	42.5U	41.4U	42.9U	43.0U	43.5U	43.4U
2,4-Dimethylphenol	35.7U	36.7U	35.0U	35.9U	35.0U	36.3U	36.4U	36.8U	36.7U
Benzoic Acid	88.6U	91.3U	87.0U	89.3U	87.0U	90.2U	90.5U	91.5U	91.2U
Bis(-2-Chloroethoxy)Methane	41.1U	42.3U	40.3U	41.4U	40.3U	41.8U	41.9U	42.4U	42.3U
2,4-Dichlorophenol	47.6U	49.0U	46.7U	47.9U	46.7U	48.4U	48.6U	49.1U	48.9U

Table 5-8 (continued)
Summary of Soil Analytical Data
for Soil Borings SB08-SB10

Analytes	SB08-0101	SB08-0103	SB08-0110	SB09-0101	SB09-0102	SB09-0115	SB10-0101	SB10-0106	SB10-0110
1,2,4-Trichlorobenzene	41.1U	42.3U	40.3U	41.4U	40.3U	41.8U	41.9U	42.4U	42.3U
Naphthalene	41.1U	42.3U	40.3U	41.4U	40.3U	41.8U	41.9U	42.4U	42.3U
4-Chloroaniline	149U	154U	146U	150U	146U	152U	152U	154U	154U
Hexachlorobutadiene	44.3U	45.7U	43.5U	44.7U	43.5U	45.1U	45.3U	45.8U	45.6U
4-Chloro-3-Methylphenol	38.9U	40.1U	38.2U	39.2U	38.2U	39.6U	39.7U	40.2U	40.0U
2-Methylnaphthalene	38.9U	40.1U	38.2U	39.2U	38.2U	39.6U	39.7U	40.2U	40.0U
Hexachlorocyclopentadiene	36.8U	37.9U	36.1U	37.0U	36.1U	37.4U	37.5U	37.9U	37.8U
2,4,6-Trichlorophenol	35.7U	36.7U	35.0U	35.9U	35.0U	36.3U	36.4U	36.8U	36.7U
2,4,5-Trichlorophenol	40.0U	41.2U	39.3U	40.3U	39.3U	40.7U	40.8U	41.3U	41.2U
2-Chloronaphthalene	37.8U	39.0U	37.2U	38.1U	37.2U	38.5U	38.6U	39.1U	38.9U
2-Nitroaniline	28.1U	29.0U	27.6U	28.3U	27.6U	28.6U	28.7U	29.0U	28.9U
Dimethyl Phthalate	33.5U	34.5U	32.9U	33.8U	32.9U	34.1U	34.2U	34.6U	34.5U
Acenaphthylene	42.2U	43.4U	41.4U	42.5U	41.4U	42.9U	43.0U	43.5U	43.4U
2,6-Dinitrotoluene	34.6U	35.6U	34.0U	34.9U	34.0U	35.2U	35.3U	35.7U	35.6U
3-Nitroaniline	84.3U	86.9U	82.8U	85.0U	82.8U	85.8U	86.1U	87.1U	86.8U
Acenaphthene	34.6U	35.6U	34.0U	34.9U	34.0U	35.2U	35.3U	35.7U	35.6U
2,4-Dinitrophenol	32.4U	33.4U	31.8U	32.7U	31.8U	33.0U	33.1U	33.5U	33.4U
4-Nitrophenol	50.8U	52.3U	49.9U	51.2U	49.9U	51.7U	51.9U	52.5U	52.3U
Dibenzofuran	36.8U	37.9U	36.1U	37.0U	36.1U	37.4U	37.5U	37.9U	37.8U
2,4-Dinitrotoluene	32.4U	33.4U	31.8U	32.7U	31.8U	33.0U	33.1U	33.5U	33.4U
Diethylphthalate	38.9U	40.1U	38.2U	39.2U	38.2U	39.6U	39.7U	40.2U	40.0U
4-Chlorophenyl-Phenylether	36.8U	37.9U	36.1U	37.0U	36.1U	37.4U	37.5U	37.9U	37.8U
Fluorene	37.8U	39.0U	37.2U	38.1U	37.2U	38.5U	38.6U	39.1U	38.9U
4-Nitroaniline	63.8U	65.7U	62.6U	64.3U	62.6U	64.9U	65.1U	65.8U	65.6U
4,6-Dinitro-2-Methylphenol	49.7U	51.2U	48.8U	50.1U	48.8U	50.6U	50.8U	51.3U	51.2U
N-Nitrosodiphenylamine	42.2U	43.4U	41.4U	42.5U	41.4U	42.9U	43.0U	43.5U	43.4U
4-Bromophenyl-Phenylether	37.8U	39.0U	37.2U	38.1U	37.2U	38.5U	38.6U	39.1U	38.9U
Phenanthrene	32.4U	33.4U	31.8U	32.7U	31.8U	33.0U	33.1U	33.5U	33.4U
Hexachlorobenzene	33.5U	34.5U	32.9U	33.8U	32.9U	34.1U	34.2U	34.6U	34.5U
Pentachlorophenol	60.5U	62.4U	59.4U	61.0U	59.4U	61.6U	61.8U	62.5U	62.3U
Anthracene	31.4U	32.3U	30.8U	31.6U	30.8U	31.9U	32.0U	32.4U	32.3U
Di-N-Butylphthalate	23.8U	24.5U	23.4U	24.0U	23.4U	24.2U	24.3U	24.6U	24.5U
Fluoranthene	30.3U	31.2U	29.7U	30.5U	29.7U	30.8U	30.9U	31.3U	31.1U
Pyrene	30.3U	31.2U	29.7U	30.5U	29.7U	30.8U	30.9U	31.3U	31.1U
Butylbenzylphthalate	32.4U	33.4U	31.8U	32.7U	31.8U	33.0U	33.1U	33.5U	33.4U
3,3'-Dichlorobenzidine	255U	263U	251U	257U	251U	260U	260U	263U	263U
Benzo(a)Anthracene	25.9U	26.7U	25.5U	26.1U	25.5U	26.4U	26.5U	26.8U	26.7U
Chrysene	27.0U	27.8U	26.5U	27.2U	26.5U	27.5U	27.6U	27.9U	27.8U
Bis(2-Ethylhexyl)Phthalate	33.5U	34.5U	32.9U	63.7 J	32.9U	34.1U	34.2U	34.6U	34.5U
Di-N-Octyl Phthalate	30.5U	31.2U	29.7U	30.5U	29.7U	30.8U	30.9U	31.3U	31.1U
Benzo(b)Fluoranthene	57.3U	59.0U	56.3U	57.7U	56.3U	58.3U	58.5U	59.2U	59.0U
Benzo(k)Fluoranthene	71.4U	73.5U	70.1U	71.9U	70.1U	72.6U	72.8U	73.7U	73.4U
Benzo(a)Pyrene	31.4U	32.3U	30.8U	31.6U	30.8U	31.9U	32.0U	32.4U	32.3U

Table 5-8 (continued)
Summary of Soil Analytical Data
for Soil Borings SB08-SB10

Analytes	SB08-0101	SB08-0103	SB08-0110	SB09-0101	SB09-0102	SB09-0115	SB10-0101	SB10-0106	SB10-0110
Indeno(1,2,3-cd)Pyrene	35.7U	36.7U	35.0U	35.9U	35.0U	36.3U	36.4U	36.8U	36.7U
Dibenzo(a,h)Anthracene	33.5U	34.5U	32.9U	33.8U	32.9U	34.1U	34.2U	34.6U	34.5U
Inorganics	***Concentration (mg/kg)***								
Aluminum	3840	2020	3060	3830	3830	3430	6030	4480	5870
Antimony	3.1 J	2.3 J	2.4 J	3.4 J	3.5 J	2.8 J	4.5 J	2.6 J	2.2UJ
Arsenic	1.5	0.65	1.3	1.7	2.9	1.6	2.1	1.8	1.5
Barium	61.6	158	105	51.9	125	83.9	75.5	712	396
Beryllium	0.36	0.21	0.28	0.37	0.31	0.28	0.49	0.3	0.43
Cadmium	0.54U	0.56U	0.53U	0.54U	0.53U	0.55U	0.55U	0.56U	0.56U
Calcium	3840	253000	71800	2280	199000	207000	5390	177000	136000
Chromium	5.4	2.2	4	5.7	3.6	3.9	7.5	4	4.7
Cobalt	2.6	1.9	1.9	2.8	2.3	1.5	3.4	2.7	3
Copper	7.1	1.8	2.7	5.8	2.8	2.2	6.8	2.2	2.5
Iron	4950	1860	3030	5430	3350	2830	7200	3610	4700
Lead	18.7	0.91	3.2	9.2	2.8	2.5	9.4	2.2	3.9
Magnesium	753	1990	1680	743	2150	3590	1130	3510	4080
Manganese	121	21.2	45.7	137	40.9	21.7	142	42.1	58.0
Mercury	0.086U	0.089U	0.085U	0.087U	0.085U	0.088U	0.088U	0.089U	0.089U
Nickel	4.6	3.3	4.2	4.7	5.6	3.4	7.3	5.3	5.8
Potassium	905	435	948	988	806	1090	1300	902	1710
Selenium	0.12	0.096	0.084	0.13	0.12	0.092	0.094	0.12	0.068
Silver	0.54U	0.56U	0.53U	0.54U	0.53U	0.55U	0.55U	0.56U	0.56U
Sodium	57.5	140	256	70.8	147	294	78.3	86.0	82.7
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U
Vanadium	11.4	7.8	10.2	12.3	9.8	11.8	15.4	10.8	14.4
Zinc	17.2	4.9	7.5	13.2	7.9	5.8	16.4	11.0	12.2
Cyanide, Total	0.54U	0.55U	0.53U	0.54U	0.53U	0.55U	0.55U	0.55U	0.56U
Petroleum Hydrocarbons	380	16.7U	16.1	29.5	15.9U	16.5U	140	16.7U	38.6
	(%)								
Solids, Total	92.5	89.8	94.2	91.8	94.2	90.9	90.6	89.6	89.9

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-9
Summary of Soil Analytical Data
for Soil Borings SB11-SB13

Analytes	SB11-0101	SB11-0107	SB11-0117	SB12-0101	SB12-0102	SB12-0110	SB12-0121	SB12-0130	SB13-0101	SB13-0104	SB13-0115
VOAs (Method 8260A)	***Concentration (µg/kg)***										
Dichlorodifluoromethane	2.2U	2.4U	2.3U	2.4U	2.3U	2.4U	2.3U	2.4U	2.3U	2.2U	2.3U
Chloromethane	1.6U	1.7U	1.7U	1.7U	1.6U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
Vinyl Chloride	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.4U	1.4U
Bromomethane	0.83U	0.89U	0.87U	0.9U	0.87U	0.9U	0.88U	0.9U	0.85U	0.83U	0.85U
Chloroethane	1.6U	1.7U	1.7U	1.7U	1.6U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
Trichlorofluoromethane	2.5U	2.7U	2.7U	2.7U	2.6U	2.7U	2.7U	2.7U	2.6U	2.5U	2.6U
1,1-Dichloroethene	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.4U	1.4U
Methylene Chloride	7.4	2.8U	2.8U	2.8U	2.7U	2.9U	2.8U	14.0	11.0	2.6U	2.7U
trans-1,2-Dichloroethene	0.68U	0.73U	0.72U	0.74U	0.71U	0.74U	0.72U	0.74U	0.7U	0.69U	0.7U
1,1-Dichloroethane	0.68U	0.73U	0.72U	0.74U	0.71U	0.74U	0.72U	0.74U	0.7U	0.69U	0.7U
Carbon Disulfide	1.6U	1.7U	1.7U	1.7U	1.6U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
2,2-Dichloropropane	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.3U	1.3U
cis-1,2-dichloroethene	0.73U	0.79U	0.77U	0.8U	0.77U	0.8U	0.78U	0.79U	0.76U	0.74U	0.76U
Bromochloromethane	0.86U	0.93U	0.91U	0.93U	0.9U	0.94U	0.91U	0.93U	0.89U	0.87U	0.88U
Chloroform	0.84U	0.9U	0.88U	0.91U	0.88U	0.92U	0.89U	0.91U	0.87U	0.84U	0.86U
1,1,1-Trichloroethane	0.53U	0.58U	0.56U	0.58U	0.56U	0.58U	0.57U	0.58U	0.55U	0.54U	0.55U
1,1-Dichloropropene	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1.1U
Benzene	0.54U	0.59U	0.58U	0.59U	0.57U	0.6U	0.58U	0.59U	0.56U	0.55U	0.56U
1,2-Dichloroethane	0.85U	0.92U	0.9U	0.92U	0.89U	0.93U	0.9U	0.92U	0.88U	0.86U	0.87U
Trichloroethene	1.1U	1.2U	1.2U	1.3U	1.2U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloropropane	1.1U	1.2U	1.2U	1.3U	1.2U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
Bromodichloromethane	0.69U	0.75U	0.73U	0.75U	0.72U	0.76U	0.73U	0.75U	0.71U	0.7U	0.71U
Dibromomethane	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U	1U
cis-1,3-Dichloropropene	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U	1U
Toluene	1.9 J	0.9U	0.88U	1.6 J	0.88U	0.92U	0.89U	0.91U	0.87U	0.84U	0.86U
trans-1,3-Dichloropropene	0.62U	0.67U	0.65U	0.67U	0.65U	0.68U	0.66U	0.67U	0.64U	0.62U	0.64U
1,1,2-Trichloroethane	0.85U	0.92U	0.9U	0.92U	0.89U	0.93U	0.9U	0.92U	0.88U	0.86U	0.87U
1,2-Dibromoethane	0.92U	0.99U	0.97U	1U	0.96U	1U	0.98U	1U	0.95U	0.93U	0.95U
Tetrachloroethene	0.82U	0.88U	0.86U	0.89U	0.85U	0.89U	0.87U	0.88U	0.84U	0.82U	0.84U
1,3-Dichloropropane	0.9U	0.97U	0.95U	0.98U	0.94U	0.99U	0.96U	0.98U	0.93U	0.91U	0.93U
Dibromochloromethane	0.61U	0.66U	0.64U	0.66U	0.64U	0.66U	0.64U	0.66U	0.63U	0.61U	0.63U
Chlorobenzene	0.6U	0.64U	0.63U	0.65U	0.62U	0.65U	0.63U	0.65U	0.62U	0.6U	0.61U
1,1,1,2-Tetrachloroethane	0.51U	0.55U	0.54U	0.56U	0.54U	0.56U	0.54U	0.56U	0.53U	0.52U	0.53U
Ethylbenzene	0.73U	0.79U	0.77U	0.8U	0.77U	0.8U	0.78U	0.79U	0.76U	0.74U	0.76U
m & p-Xylene	1U	1.1U	1.1U	2.7 J	1.2 J	1.1 J	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.48U	0.52U	0.51U	1.2 J	0.5U	0.53 U	0.51U	0.52U	0.5U	0.49U	0.5U
Styrene	0.63U	0.68U	0.66U	0.68U	0.66U	0.69U	0.67U	0.68U	0.65U	0.63U	0.65U
2-Hexanone	4.5U	4.9U	4.8U	4.9U	4.7U	4.9U	4.8U	4.9U	4.7U	4.5U	4.6U

Table 5-9 (continued)
Summary of Soil Analytical Data
for Soil Borings SB11-SB13

Analytes	SB11-0101	SB11-0107	SB11-0117	SB12-0101	SB12-0102	SB12-0110	SB12-0121	SB12-0130	SB13-0101	SB13-0104	SB13-0115
Bromoform	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.3U	1.3U
Isopropylbenzene	0.69U	0.75U	0.73U	0.75U	0.72U	0.76U	0.73U	0.75U	0.71U	0.7U	0.71U
1,1,2,2-Tetrachloroethane	2.3U	2.5U	2.4U	2.5U	2.4U	2.5U	2.4U	2.5U	2.4U	2.3U	2.4U
Bromobenzene	0.98U	1.1U	1U	1.1U	1U	1.1U	1U	1.1U	1U	0.99U	1U
1,2,3-Trichloropropane	2.1U	2.3U	2.2U	2.3U	2.2U	2.3U	2.2U	2.3U	2.2U	2.1U	2.2U
n-Propylbenzene	0.61U	0.66U	0.64U	0.66U	0.64U	0.66U	0.64U	0.66U	0.63U	0.61U	0.63U
2-Chlorotoluene	0.82U	0.88U	0.86U	0.89U	0.85U	0.89U	0.87U	0.88U	0.84U	0.82U	0.84U
4-Chlorotoluene	0.84U	0.9U	0.88U	0.91U	0.88U	0.92U	0.89U	0.91U	0.87U	0.84U	0.86U
1,3,5-Trimethylbenzene	0.52U	0.56U	0.55U	0.57U	0.55U	0.57U	0.56U	0.57U	0.54U	0.53U	0.54U
tert-Butylbenzene	0.56U	0.61U	0.6U	0.62U	0.59U	0.62U	0.6U	0.61U	0.58U	0.57U	0.58U
1,2,4-Trimethylbenzene	0.73U	0.79U	0.77U	1.1 J	0.77U	2 J	0.78U	0.79U	0.76U	0.74U	0.76U
sec-Butylbenzene	0.66U	0.71U	0.7U	0.72U	0.69U	0.72U	0.7U	0.71U	0.68U	0.67U	0.68U
p-Isopropyltoluene	0.64U	0.69U	0.67U	0.69U	0.67U	0.7U	0.68U	0.69U	0.66U	0.64U	0.66U
1,3-Dichlorobenzene	0.96U	1U	1U	1U	1U	1.1U	1U	1U	1U	0.97U	0.99U
1,4-Dichlorobenzene	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.4U	1.3U	1.3U	1.3U
n-Butylbenzene	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.6U	2.8U	2.8U	2.8U	2.7U	2.9U	2.8U	2.8U	2.7U	2.6U	2.7U
1,2,4-Trichlorobenzene	1.1U	1.2U	1.2U	1.3U	1.2U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
Hexachlorobutadiene	0.82U	0.88U	0.86U	0.89U	0.85U	0.89U	0.87U	0.88U	0.84U	0.82U	0.84U
Naphthalene	1.8U	1.9U	1.9U	1.9U	1.9U	1.9U	1.9U	1.9U	1.8U	1.8U	1.8U
1,2,3-Trichlorobenzene	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.5U	1.4U	1.4U	1.4U
Acetone	12.3 J	17.1 J	9.5U	9.8 U	13.2 J	36.3 J	12.4 J	9.8U	9.3U	9.1U	9.3U
2-Butanone	8.2U	8.9U	8.7U	9U	8.6U	9U	8.7U	8.9	8.5U	8.3U	8.5U
4-Methyl-2-Pentanone	3.8U	4.1U	4U	4.1U	3.9U	4.1U	4U	4.1U	3.9U	3.8U	3.9U
BNAs (Method 8270)	***Concentration (µg/kg)***										
Phenol	225U	48.6U	47.6U	49.0U	47.1U	49.3U	47.8U	48.8U	46.5U	45.4U	46.4U
Bis(-2-Chloroethyl)Ether	214U	46.3U	45.4U	46.7U	44.9U	47.0U	45.6U	46.5U	44.4U	43.3U	44.2U
2-Chlorophenol	219U	47.5U	46.5U	47.8U	46.0U	48.1U	46.7U	47.6U	45.5U	44.4U	45.3U
1,3-Dichlorobenzene	235U	50.8U	49.8U	51.3U	49.3U	51.5U	50.0U	51.0U	48.7U	47.5U	48.5U
1,4-Dichlorobenzene	219U	47.5U	46.5U	47.8U	46.0U	48.1U	46.7U	47.6U	45.5U	44.4U	45.3U
Benzyl Alcohol	209U	45.2U	44.2U	45.6U	43.8U	45.8U	44.4U	45.4U	43.3U	42.2U	43.1U
1,2-Dichlorobenzene	287U	62.1U	60.8U	62.6U	60.2U	63.0U	61.1U	62.4U	59.5U	58.1U	59.3U
2-Methylphenol	235U	50.8U	49.8U	51.3U	49.3U	51.5U	50.0U	51.0U	48.7U	47.5U	48.5U
Bis(2-Chloroisopropyl)Ether	256U	55.4U	54.2U	55.8U	53.7U	56.1U	54.4U	55.6U	53.0U	51.7U	52.9U
4-Methylphenol	225U	48.6U	47.6U	49.0U	47.1U	49.3U	47.8U	48.8U	46.5U	45.4U	46.4U
N-Nitroso-Di-N-Propylamine	240U	52.0U	50.9U	52.4U	50.4U	52.7U	51.1U	52.2U	49.8U	48.6U	49.6U
Hexachloroethane	256U	55.4U	54.2U	55.8U	53.7U	56.1U	54.4U	55.6U	53.0U	51.7U	52.9U
Nitrobenzene	183U	39.5U	38.7U	39.9U	38.3U	40.1U	38.9U	39.7U	37.9U	37.0U	37.8U
Isophorone	146U	31.6U	31.0U	31.9U	30.7U	32.1U	31.1U	31.7U	30.3U	29.6U	30.2U
2-Nitrophenol	204U	44.1U	43.1U	44.4U	42.7U	44.7U	43.3U	44.2U	42.2U	41.2U	42.1U
2,4-Dimethylphenol	172U	37.3U	36.5U	37.6U	36.1U	37.8U	36.7U	37.4U	35.7U	34.8U	35.6U
Benzoic Acid	428U	92.7U	90.7U	93.4U	89.8U	93.9U	91.1U	93.0U	88.7U	86.6U	88.5U

Table 5-9 (continued)
Summary of Soil Analytical Data
for Soil Borings SB11-SB13

Analytes	SB11-0101	SB11-0107	SB11-0117	SB12-0101	SB12-0102	SB12-0110	SB12-0121	SB12-0130	SB13-0101	SB13-0104	SB13-0115
Bis(-2-Chloroethoxy)Methane	199U	42.9U	42.0U	43.3U	41.6U	43.5U	42.2U	43.1U	41.1U	40.1U	41.0U
2,4-Dichlorophenol	230U	49.7U	48.7U	50.1U	48.2U	50.4U	48.9U	49.9U	47.6U	46.5U	47.5U
1,2,4-Trichlorobenzene	199U	42.9U	42.0U	43.3U	41.6U	43.5U	42.2U	43.1U	41.1U	40.1U	41.0U
Naphthalene	199U	42.9U	42.0U	43.3U	41.6U	43.5U	42.2U	43.1U	41.1U	40.1U	41.0U
4-Chloroaniline	721U	156U	153U	157U	151U	158U	153U	156U	149U	146U	149U
Hexachlorobutadiene	214U	46.3U	45.4U	46.7U	44.9U	47.0U	45.6U	46.5U	44.4U	43.3U	44.2U
4-Chloro-3-Methylphenol	188U	40.7U	39.8U	41.0U	39.4U	41.2U	40.0U	40.8U	39.0U	38.0U	38.8U
2-Methylnaphthalene	188U	40.7U	39.8U	41.0U	39.4U	41.2U	40.0U	40.8U	39.0U	38.0U	38.8U
Hexachlorocyclopentadiene	178U	38.4U	37.6U	38.7U	37.2U	38.9U	37.8U	38.5U	36.8U	35.9U	36.7U
2,4,6-Trichlorophenol	172U	37.3U	36.5U	37.6U	36.1U	37.8U	36.7U	37.4U	35.7U	34.8U	35.6U
2,4,5-Trichlorophenol	193U	41.8U	40.9U	42.1U	40.5U	42.4U	41.1U	42.0U	40.0U	39.1U	39.9U
2-Chloronaphthalene	183U	39.5U	38.7U	39.9U	38.3U	40.1U	38.9U	39.7U	37.9U	37.0U	37.8U
2-Nitroaniline	136U	29.4U	28.8U	29.6U	28.5U	29.8U	28.9U	29.5U	28.1U	27.5U	28.0U
Dimethyl Phthalate	162U	35.0U	34.3U	35.3U	34.0U	35.5U	34.4U	35.1U	33.5U	32.7U	33.4U
Acenaphthylene	204U	44.1U	43.1U	44.4U	42.7U	44.7U	43.3U	44.2U	42.2U	41.2U	42.1U
2,6-Dinitrotoluene	167U	36.2U	35.4U	36.4U	35.0U	36.7U	35.6U	36.3U	34.6U	33.8U	34.5U
3-Nitroaniline	408U	88.1U	86.3U	88.8U	85.4U	89.3U	86.7U	88.4U	84.4U	82.4U	84.1U
Acenaphthene	167U	36.2U	35.4U	36.4U	35.0U	36.7U	35.6U	36.3U	34.6U	33.8U	34.5U
2,4-Dinitrophenol	157U	33.9U	33.2U	34.2U	32.9U	34.4U	33.3U	34.0U	32.5U	31.7U	32.4U
4-Nitrophenol	246U	53.1U	52.0U	53.5U	51.5U	53.8U	52.2U	53.3U	50.9U	49.6U	50.7U
Dibenzofuran	178U	38.4U	37.6U	38.7U	37.2U	38.9U	37.8U	38.5U	36.8U	35.9U	36.7U
2,4-Dinitrotoluene	157U	33.9U	33.2U	34.2U	32.9U	34.4U	33.3U	34.0U	32.5U	31.7U	32.4U
Diethylphthalate	188U	40.7U	39.8U	41.0U	39.4U	41.2U	40.0U	40.8U	39.0U	38.0U	38.8U
4-Chlorophenyl-Phenylether	178U	38.4U	37.6U	38.7U	37.2U	38.9U	37.8U	38.5U	36.8U	35.9U	36.7U
Fluorene	183U	39.5U	38.7U	39.9U	38.3U	40.1U	38.9U	39.7U	37.9U	37.0U	37.8U
4-Nitroaniline	308U	66.7U	65.3U	67.2U	64.6U	67.6U	65.6U	66.9U	63.9U	62.3U	63.6U
4,6-Dinitro-2-Methylphenol	240U	52.0U	50.9U	52.4U	50.4U	52.7U	51.1U	52.2U	49.8U	48.6U	49.6U
N-Nitrosodiphenylamine	204U	44.1U	43.1U	44.4U	42.7U	44.7U	43.3U	44.2U	42.2U	41.2U	42.1U
4-Bromophenyl-Phenylether	183U	39.5U	38.7U	39.9U	38.3U	40.1U	38.9U	39.7U	37.9U	37.0U	37.8U
Phenanthrene	559 J	33.9U	33.2U	34.2U	32.9U	34.4U	33.3U	34.0U	32.5U	31.7U	32.4U
Hexachlorobenzene	162U	35.0U	34.3U	35.3U	34.0U	35.5U	34.4U	35.1U	33.5U	32.7U	33.4U
Pentachlorophenol	293U	63.3U	61.9U	63.8U	61.3U	64.1U	62.2U	63.5U	60.6U	59.1U	60.4U
Anthracene	152U	32.8U	32.1U	33.0U	31.8U	33.2U	32.2U	32.9U	31.4U	30.6U	31.3U
Di-N-Butylphthalate	115U	24.9U	24.3U	25.1U	24.1U	25.2U	24.4U	24.9U	23.8U	719 B	23.7U
Fluoranthene	1230 J	31.6U	31.0U	31.9U	30.7U	32.1U	31.1U	31.7U	30.3U	29.6U	30.2U
Pyrene	1340 J	31.6U	31.0U	31.9U	30.7U	32.1U	31.1U	31.7U	30.3U	29.6U	30.2U
Butylbenzylphthalate	157U	33.9U	33.2U	34.2U	32.9U	34.4U	33.3U	34.0U	32.5U	31.7U	32.4U
3,3'-Dichlorobenzidine	1230U	267U	261U	269U	258U	270U	262U	268U	255U	249U	255U
Benzo(a)Anthracene	565 J	27.1U	26.5U	27.3U	26.3U	27.5U	26.7U	27.2U	26.0U	25.3U	25.9U
Chrysene	688 J	28.2U	27.7U	28.5U	27.4U	28.6U	27.7U	28.3U	27.1U	26.4U	27.0U
Bis(2-Ethylhexyl)Phthalate	162U	35.0U	34.3U	35.3U	34.0U	35.5U	34.4U	35.1U	33.5U	32.7U	33.4U
Di-N-Octyl Phthalate	146U	31.6U	31.0U	31.9U	30.7U	32.1U	31.1U	31.7U	30.5U	29.6U	30.2U
Benzo(b)Fluoranthene	895 J	59.9U	58.6U	60.4U	58.1U	60.7U	58.9U	60.1U	57.4U	56.0U	57.2U

Table 5-9 (continued)
Summary of Soil Analytical Data
for Soil Borings SB11-SB13

Analytes	SB11-0101	SB11-0107	SB11-0117	SB12-0101	SB12-0102	SB12-0110	SB12-0121	SB12-0130	SB13-0101	SB13-0104	SB13-0115
Benzo(k)Fluoranthene	636 J	74.6U	73.0U	75.2U	72.3U	75.6U	73.3U	74.8U	71.4U	69.7U	71.2U
Benzo(a)Pyrene	750 J	32.8U	32.1U	33.0U	31.8U	33.2U	32.2U	32.9U	31.4U	30.6U	31.3U
Indeno(1,2,3-cd)Pyrene	224 J	37.3U	36.5U	37.6U	36.1U	37.8U	36.7U	37.4U	35.7U	34.8U	35.6U
Dibenzo(a,h)Anthracene	162U	35.0U	34.3U	35.3U	34.0U	35.5U	34.4U	35.1U	33.5U	32.7U	33.4U
Inorganics	***Concentrations (mg/kg)***										
Aluminum	1230	6780	3920	7620	5310	3630	4630	3280	4890	2230	4020
Antimony	2.6 J	2.3 J	2.2UJ	2.9 J	2.2UJ	2.3UJ	2.2UJ	2.3UJ	4.3 J	2.1 UJ	2.7 J
Arsenic	2.1	1.3	2.1	1.9	1.4	1.2	1.7	1.3	1.9	1.6	1.4
Barium	623	283	40.1	93.5	49.5	146	327	100	61.4	128	314
Beryllium	0.17	0.74	0.37	0.57	0.42	0.36	0.35	0.21	0.44	0.22	0.32
Cadmium	0.52U	0.56U	0.55U	0.57U	0.55U	0.57U	0.56U	0.57U	0.54U	0.53U	0.54U
Calcium	81500	93300	24100	2120	1700	51500	60100	122000	1960	77200	195000
Chromium	3.2	2.5	4.9	8.9	5.8	4	4.1	4.3	6.9	3	3.9
Cobalt	2.9	2.2	2.1	4.3	2.9	2.8	2.6	1.8	3.2	2	2.1
Copper	4.7	2.3	2.8	5.6	4.6	3.1	3	1.7	7.3	2.8	2
Iron	5150	3090	4620	9070	6180	3540	4490	2710	6860	2590	3160
Lead	3.3	7.6	4.3	8.7	6.4	3.9	3.8	2.2	10.9	2.8	2.4
Magnesium	1280	2810	2160	1330	931	2010	2980	3260	818	1020	4220
Manganese	1350	83.8	41.1	164	85.4	81.0	66.3	30.1	144	29.4	25.5
Mercury	0.084U	0.09U	0.088U	0.091U	0.088U	0.092U	0.089U	0.091U	0.087U	0.084U	0.086U
Nickel	5.4	4.7	4.4	7.8	6.5	5.3	5.7	3.6	6.4	4.7	4.1
Potassium	285	947	1360	1410	1060	1080	1540	570	1110	445	1180
Selenium	0.067	0.056U	0.055U	0.1	0.077	0.094	0.056U	0.063	0.14	0.053U	0.054U
Silver	0.52U	0.56U	0.55U	0.57U	0.55U	0.57U	0.56U	0.57U	0.54U	0.53U	0.54U
Sodium	70.8	98.8	210	45.6U	43.8U	142	194	184	68.5	85.9	255
Thallium	0.1U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U
Vanadium	15.4	6.5	23.8	18.6	12.6	11.3	15.5	10.6	15.6	7.4	9.8
Zinc	12.6	9.9	9.0	19.0	14.2	13.6	11.5	7.2	17.2	6	7.3
Cyanide, Total	0.51U	0.56U	0.55U	0.57U	0.55U	0.57U	0.55U	0.56U	0.54U	0.53U	0.54U
Petroleum Hydrocarbons	14400	16.9U	16.8	69.7	34.4	77.5	16.9	21.5	44.0	15.8U	16.2U
	(%)										
Solids, Total	95.7	88.5	90.4	87.8	91.3	87.3	90.0	88.2	92.4	94.7	92.7

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-10
Summary of Soil Analytical Data
for Soil Borings SB14-SB16

Analytes	SB14-0101	SB14-0102	SB14-0115	SB15-0101	SB15-0109	SB15-0119	SB16-0101	SB16-0104	SB16-0110
VOAs (Method 8260A)	***Concentration (ug/kg)***								
Dichlorodifluoromethane	2.2U	2.3U	2.3U	2.3U	2.3U	2.4U	2.4U	2.5U	2.4U
Chloromethane	1.6U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.8U	1.7U
Vinyl Chloride	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U	1.6U	1.5U
Bromomethane	0.84U	0.87U	0.88U	0.87U	0.88U	0.89U	0.89U	0.96U	0.9U
Chloroethane	1.6U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.8U	1.7U
Trichlorofluoromethane	2.5U	2.6U	2.7U	2.6U	2.7U	2.7U	2.7U	2.9U	2.7U
1,1-Dichloroethene	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U	1.6U	1.5U
Methylene Chloride	2.6U	2.8U	2.8U	2.8U	2.8U	2.8U	2.8U	3U	2.8U
trans-1,2-Dichloroethene	0.69U	0.72U	0.73U	0.72U	0.73U	0.73U	0.73U	0.79U	0.74U
1,1-Dichloroethane	0.69U	0.72U	0.73U	0.72U	0.73U	0.73U	0.73U	0.79U	0.74U
Carbon Disulfide	1.6U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.8U	1.7U
2,2-Dichloropropane	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.5U	1.4U
cis-1,2-dichloroethene	0.74U	0.77U	0.78U	0.77U	0.78U	0.79U	0.79U	0.85U	0.79U
Bromochloromethane	0.87U	0.9U	0.92U	0.9U	0.92U	0.92U	0.92U	0.99U	0.93U
Chloroform	0.85U	0.88U	0.89U	0.88U	0.89U	0.90U	0.90U	0.97U	0.91U
1,1,1-Trichloroethane	0.54U	0.56U	0.57U	0.56U	0.57U	0.57U	0.57U	0.62U	0.58U
1,1-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
Carbon Tetrachloride	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
Benzene	0.55U	0.57U	0.58U	0.57U	0.58U	0.58U	0.58U	0.63U	0.59U
1,2-Dichloroethane	0.86U	0.89U	0.91U	0.89U	0.91U	0.91U	0.91U	0.98U	0.92U
Trichloroethene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.2U
1,2-Dichloropropane	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.2U
Bromodichloromethane	0.7U	0.73U	0.74U	0.73U	0.74U	0.74U	0.74U	0.80U	0.75U
Dibromomethane	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
cis-1,3-Dichloropropene	1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
Toluene	0.85U	0.88U	0.89U	0.88U	0.89U	0.90U	0.90U	0.97U	0.91U
trans-1,3-Dichloropropene	0.62U	0.65U	0.66U	0.65U	0.66U	0.66U	0.66U	0.72U	0.67U
1,1,2-Trichloroethane	0.86U	0.89U	0.91U	0.89U	0.91U	0.91U	0.91U	0.98U	0.92U
1,2-Dibromoethane	0.93U	0.97U	0.98U	0.97U	0.98U	0.99U	0.99U	1.1U	1U
Tetrachloroethene	0.83U	0.86U	0.87U	0.86U	0.87U	0.88U	0.88U	0.95U	0.88U
1,3-Dichloropropane	0.91U	0.95U	0.96U	0.95U	0.96U	0.97U	0.97U	1U	0.98U
Dibromochloromethane	0.61U	0.64U	0.65U	0.64U	0.65U	0.65U	0.65U	0.7U	0.66U
Chlorobenzene	0.6U	0.63U	0.64U	0.63U	0.64U	0.64U	0.64U	0.69U	0.65U
1,1,1,2-Tetrachloroethane	0.52U	0.54U	0.55U	0.54U	0.55U	0.55U	0.55U	0.59U	0.56U
Ethylbenzene	0.74U	0.77U	0.78U	0.77U	0.78U	0.79U	0.79U	0.85U	0.79U
m & p-Xylene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
o-Xylene	0.49U	0.51U	0.51U	0.51U	0.51U	0.52U	0.52U	0.56U	0.52U
Styrene	0.63U	0.66U	0.67U	0.66U	0.67U	0.67U	0.67U	0.73U	0.68U
2-Hexanone	4.6U	4.7U	4.8U	4.7U	4.8U	4.8U	4.8U	5.2U	4.9U
Bromoform	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.5U	1.4U
Isopropylbenzene	0.7U	0.73U	0.74U	0.73U	0.74U	0.74U	0.74U	0.80U	0.75U
1,1,2,2-Tetrachloroethane	2.3U	2.4U	2.5U	2.4U	2.5U	2.5U	2.5U	2.7U	2.5U

Table 5-10 (continued)
Summary of Soil Analytical Data
for Soil Borings SB14-SB16

Analytes	SB14-0101	SB14-0102	SB14-0115	SB15-0101	SB15-0109	SB15-0119	SB16-0101	SB16-0104	SB16-0110
Bromobenzene	0.99U	1U	1.1U	1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2,3-Trichloropropane	2.1U	2.2U	2.2U	2.2U	2.2U	2.2U	2.2U	2.4U	2.3U
n-Propylbenzene	0.61U	0.64U	0.65U	0.64U	0.65U	0.65U	0.65U	0.7U	0.66U
2-Chlorotoluene	0.83U	0.86U	0.87U	0.86U	0.87U	0.88U	0.88U	0.95U	0.88U
4-Chlorotoluene	0.85U	0.88U	0.89U	0.88U	0.89U	0.90U	0.90U	0.97U	0.91U
1,3,5-Trimethylbenzene	0.53U	0.55U	0.56U	0.55U	0.56U	0.56U	0.56U	0.61U	0.57U
tert-Butylbenzene	0.57U	0.59U	0.6U	0.59U	0.6U	0.6IU	0.61U	0.65U	0.61U
1,2,4-Trimethylbenzene	0.74U	0.77U	0.78U	0.77U	0.78U	0.79U	0.79U	0.85U	0.79U
sec-Butylbenzene	0.67U	0.69U	0.7U	0.69U	0.7U	0.71U	0.71U	0.76U	0.71U
p-Isopropyltoluene	0.65U	0.67U	0.68U	0.67U	0.68U	0.69U	0.69U	0.74U	0.69U
1,3-Dichlorobenzene	0.97U	1U	1U	1U	1U	1U	1U	1.1U	1U
1,4-Dichlorobenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
1,2-Dichlorobenzene	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.5U	1.4U
n-Butylbenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.2U	1.1U
1,2-Dibromo-3-Chloropropane	2.6U	2.8U	2.8U	2.8U	2.8U	2.8U	2.8U	3U	2.8U
1,2,4-Trichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.3U	1.2U
Hexachlorobutadiene	0.83U	0.86U	0.87U	0.86U	0.87U	0.88U	0.88U	0.95U	0.88U
Naphthalene	1.8U	1.9U	1.9U	1.9U	1.9U	1.9U	1.9U	2.1U	1.9U
1,2,3-Trichlorobenzene	1.4U	1.4U	1.5U	1.4U	1.5U	1.5U	1.5U	1.6U	1.5U
Acetone	9.1U	9.5U	9.6U	9.5U	9.6U	9.7U	9.7U	10.4U	9.8U
2-Butanone	8.3U	8.6U	8.8U	8.6U	8.8U	8.8U	8.8U	9.5U	8.9U
4-Methyl-2-Pentanone	3.8U	4U	4U	4U	4U	4U	4U	4.4U	4.1U
BNAs (Method 8270)	***Concentration (ug/kg)***								
Phenol	45.5U	47.3U	48.1U	47.3U	48.1U	48.4U	48.4U	52.1U	48.8U
Bis(-2-Chloroethyl)Ether	43.4U	45.1U	45.9U	45.1U	45.9U	46.1U	46.1U	49.7U	46.5U
2-Chlorophenol	44.4U	46.2U	47.0U	46.2U	47.0U	47.2U	47.2U	50.9U	47.5U
1,3-Dichlorobenzene	47.6U	49.5U	50.3U	49.5U	50.3U	50.6U	50.6U	54.5U	51.0U
1,4-Dichlorobenzene	44.4U	46.2U	47.0U	46.2U	47.0U	47.2U	47.2U	50.9U	47.6U
Benzyl Alcohol	42.3U	44.0U	44.7U	44.0U	44.7U	45.0U	45.0U	48.5U	45.4U
1,2-Dichlorobenzene	58.2U	60.5U	61.5U	60.5U	61.5U	61.9U	61.9U	66.7U	62.4U
2-Methylphenol	47.6U	49.5U	50.3U	49.5U	50.3U	50.6U	50.6U	54.5U	51.0U
Bis(2-Chloroisopropyl)Ether	51.9U	53.9U	54.8U	53.9U	54.8U	55.1U	55.1U	59.4U	55.6U
4-Methylphenol	45.5U	47.3U	48.1U	47.3U	48.1U	48.4U	48.4U	52.1U	48.8U
N-Nitroso-Di-N-Propylamine	48.7U	50.6U	51.5U	50.6U	51.5U	51.7U	51.7U	55.8U	52.2U
Hexachloroethane	51.9U	53.9U	54.8U	53.9U	54.8U	55.1U	55.1U	59.4U	55.6U
Nitrobenzene	37.0U	38.5U	39.1U	38.5U	39.1U	39.4U	39.4U	42.4U	39.7U
Isophorone	29.6U	30.8U	31.3U	30.8U	31.3U	31.5U	31.5U	33.9U	31.7U
2-Nitrophenol	41.3U	42.9U	43.6U	42.9U	43.6U	43.9U	43.9U	47.3U	44.2U
2,4-Dimethylphenol	34.9U	36.3U	36.9U	36.3U	36.9U	37.1U	37.1U	40.0U	37.4U
Benzoic Acid	86.8U	90.2U	91.7U	90.2U	91.7U	92.2U	92.2U	99.4U	93.0U
Bis(-2-Chloroethoxy)Methane	40.2U	41.8U	42.5U	41.8U	42.5U	42.7U	42.7U	46.1U	43.1U
2,4-Dichlorophenol	46.6U	48.4U	49.2U	48.4U	49.2U	49.5U	49.5U	53.3U	49.9U
1,2,4-Trichlorobenzene	40.2U	41.8U	42.5U	41.8U	42.5U	42.7U	42.7U	46.1U	43.1U

Table 5-10 (continued)
Summary of Soil Analytical Data
for Soil Borings SB14-SB16

Analytes	SB14-0101	SB14-0102	SB14-0115	SB15-0101	SB15-0109	SB15-0119	SB16-0101	SB16-0104	SB16-0110
Naphthalene	40.2U	41.8U	42.5U	41.8U	42.5U	42.7U	42.7U	46.1U	43.1U
4-Chloroaniline	146U	152U	154U	152U	154U	155U	155U	167U	156U
Hexachlorobutadiene	43.4U	45.1U	45.9U	45.1U	45.9U	46.1U	46.1U	49.7U	46.5U
4-Chloro-3-Methylphenol	38.1U	39.6U	40.3U	39.6U	40.3U	40.5U	40.5U	43.6U	40.8U
2-Methylnaphthalene	38.1U	39.6U	40.3U	39.6U	40.3U	40.5U	40.5U	43.6U	40.8U
Hexachlorocyclopentadiene	36.0U	37.4U	38.0U	37.4U	38.0U	38.2U	38.2U	41.2U	38.5U
2,4,6-Trichlorophenol	34.9U	36.3U	36.9U	36.3U	36.9U	37.1U	37.1U	40.0U	37.4U
2,4,5-Trichlorophenol	39.2U	40.7U	41.4U	40.7U	41.4U	41.6U	41.6U	44.8U	42.0U
2-Chloronaphthalene	37.0U	38.5U	39.1U	38.5U	39.1U	39.4U	39.4U	42.4U	39.7U
2-Nitroaniline	27.5U	28.6U	29.1U	28.6U	29.1U	29.2U	29.2U	31.5U	29.5U
Dimethyl Phthalate	32.8U	34.1U	34.7U	34.1U	34.7U	34.9U	34.9U	37.6U	35.1U
Acenaphthylene	41.3U	42.9U	43.6U	42.9U	43.6U	43.9U	43.9U	47.3U	44.2U
2,6-Dinitrotoluene	33.9U	35.2U	35.8U	35.2U	35.8U	36.0U	36.0U	38.8U	36.3U
3-Nitroaniline	82.5U	85.8U	87.2U	85.8U	87.2U	87.7U	87.7U	94.5U	88.4U
Acenaphthene	33.9U	35.2U	35.8U	35.2U	35.8U	36.0U	36.0U	38.8U	36.3U
2,4-Dinitrophenol	31.7U	33.0U	33.6U	33.0U	33.6U	33.7U	33.7U	36.4U	34.0U
4-Nitrophenol	49.7U	51.7U	52.6U	51.7U	52.6U	52.9U	52.9U	57.0U	53.3U
Dibenzofuran	36.0U	37.4U	38.0U	37.4U	38.0U	38.2U	38.2U	41.2U	38.5U
2,4-Dinitrotoluene	31.7U	33.0U	33.6U	33.0U	33.6U	33.7U	33.7U	36.4U	34.0U
Diethylphthalate	38.1U	39.6U	40.3U	39.6U	40.3U	40.5U	40.5U	43.6U	40.8U
4-Chlorophenyl-Phenylether	36.0U	37.4U	38.0U	37.4U	38.0U	38.2U	38.2U	41.2U	38.5U
Fluorene	37.0U	38.5U	39.1U	38.5U	39.1U	39.4U	39.4U	42.4U	39.7U
4-Nitroaniline	62.4U	64.9U	66.0U	64.9U	66.0U	66.4U	66.4U	71.5U	66.9U
4,6-Dinitro-2-Methylphenol	48.7U	50.6U	51.5U	50.6U	51.5U	51.7U	51.7U	55.8U	52.2U
N-Nitrosodiphenylamine	41.3U	42.9U	43.6U	42.9U	43.6U	43.9U	43.9U	47.3U	44.2U
4-Bromophenyl-Phenylether	37.0U	38.5U	39.1U	38.5U	39.1U	39.4U	39.4U	42.4U	39.7U
Phenanthrene	31.7U	33.0U	33.6U	33.0U	33.6U	33.7U	33.7U	129 J	34.0U
Hexachlorobenzene	32.8U	34.1U	34.7U	34.1U	34.7U	34.9U	34.9U	37.6U	35.1U
Pentachlorophenol	59.3U	61.6U	62.6U	61.6U	62.6U	63.0U	63.0U	67.9U	63.5U
Anthracene	30.7U	31.9U	32.4U	31.9U	32.4U	32.6U	32.6	35.2U	32.9U
Di-N-Butylphthalate	23.3U	24.2U	24.6U	24.2U	24.6U	80.1 JB	252 JB	26.7U	341 JB
Fluoranthene	29.6U	30.8U	31.3U	30.8U	31.3U	31.5U	31.5U	226 J	31.7U
Pyrene	29.6U	30.8U	31.3U	30.8U	31.3U	31.5U	31.5U	186 J	31.7U
Butylbenzylphthalate	31.7U	33.0U	33.6U	33.0U	33.6U	33.7U	33.7U	36.4U	74.5 J
3,3'-Dichlorobenzidine	250U	260U	264U	260U	264U	265U	265U	286U	268U
Benzo(a)Anthracene	25.4U	26.4U	26.8U	26.4U	26.8U	27.0U	27.0U	84.4 J	27.2U
Chrysene	26.5U	27.5U	28.0U	27.5U	28.0U	28.1U	28.1U	99.2 J	28.3U
Bis(2-Ethylhexyl)Phthalate	32.8U	34.1U	34.7U	34.1U	34.7U	34.9U	34.9U	37.6	35.1U
Di-N-Octyl Phthalate	29.6U	30.8U	31.3U	30.8U	31.3U	31.5U	31.5U	33.9U	31.7U
Benzo(b)Fluoranthene	56.1U	58.3U	59.3U	58.3U	59.3U	59.6U	59.6U	93.9 J	60.1U
Benzo(k)Fluoranthene	69.8U	72.6U	73.8U	72.6U	73.8U	74.2U	74.2U	347 J	74.8U
Benzo(a)Pyrene	30.7U	31.9U	32.4U	31.9U	32.4U	32.6U	32.6U	90.3 J	32.9U
Indeno(1,2,3-cd)Pyrene	34.9U	36.3U	36.9U	36.3U	36.9U	37.1U	37.1U	40.0U	37.4U

Table 5-10 (continued)
Summary of Soil Analytical Data
for Soil Borings SB14-SB16

Analytes	SB14-0101	SB14-0102	SB14-0115	SB15-0101	SB15-0109	SB15-0119	SB16-0101	SB16-0104	SB16-0110
Dibenzo(a,h)Anthracene	32.8U	34.1U	34.7U	34.1U	34.7U	34.9U	34.9U	37.6U	35.1U
Inorganics	***Concentrations (mg/kg)***								
Aluminum	3530	6800	4650	3620	2620	2920	6550	3750	3100
Antimony	3.7 J	4.2 J	3 J	3.2 J	2.2UJ	2.2UJ	3.4 J	3.8 J	2.9 J
Arsenic	1.4	1.8	3.3	1.7	1.7	1.7	1.8	2.5	1.3
Barium	68.4	58.8	192	90.0	219	215	73.6	319	518
Beryllium	0.36	0.54	0.38	0.39	0.3	0.28	0.53	0.36	0.3
Cadmium	0.53U	0.55U	0.56U	0.55U	0.56U	0.56U	0.56U	0.61U	0.57U
Calcium	2950	1580	198000	7280	88600	181000	2120	191000	139000
Chromium	5.7	7.7	5.3	5.2	3.3	2.9	7.9	3.6	3.3
Cobalt	2.9	3.4	2.3	3.3	2.4	1.8	3.8	2.4	2.7
Copper	5.3	5.1	2.9	5.6	2.7	2.2	5.4	2.5	2.4
Iron	5260	7490	3870	4900	3160	2540	7830	3270	2780
Lead	21.5	6.9	3.2	7.6	3.1	2.6	7.2	3.1	2.9
Magnesium	702	1230	4950	826	1560	3740	1060	2700	2730
Manganese	137	97.6	29.7	165	66.4	26.1	133	38.9	37.7
Mercury	0.085U	0.088U	0.089U	0.088U	0.089U	0.090U	0.090U	0.097U	0.091U
Nickel	5.3	7	5.5	5.1	4.2	3.7	7.1	5	4.5
Potassium	897	1350	1480	945	715	864	1290	710	873
Selenium	0.083 J	0.055UJ	0.056UJ	0.055UJ	0.056UJ	0.056UJ	0.11 J	0.091 J	0.074 J
Silver	0.53U	0.55U	0.56U	0.55U	0.56U	0.56U	0.56U	0.61U	0.57U
Sodium	100	57.4	281	82.7	88.4	135	79.7	146	135
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.12U	0.11U
Vanadium	12.9	15.4	18.0	13.0	11.1	12.5	17.0	10.1	10.0
Zinc	11.9	14.5	8.7	11.9	8.3	6	15.4	10.0	7.3
Cyanide, Total	0.53U	0.54U	0.55U	0.55U	0.55U	0.55U	0.56U	0.61U	0.57U
Petroleum Hydrocarbons	1040	17.6	17.9	185	16.8U	16.9U	43.9	216	82.8
	(%)								
Solids, Total	94.5	90.9	89.4	90.9	89.4	88.9	88.9	82.5	88.2

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-11
Summary of Soil Analytical Data
for Soil Boring SB17

Analytes	SB17-0101	SB17-0109	SB17-0119	SB17-0129	SB17-0139	SB17-0145	SB17-0159
VOAs (Method 8260A)	***Concentration (µg/kg)***						
Dichlorodifluoromethane	2.4U	2.5U	2.3U	2.3U	2.3U	2.3U	2.3U
Chloromethane	1.7U	1.8U	1.7U	1.7U	1.6U	1.6U	1.6U
Vinyl Chloride	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Bromomethane	0.9U	0.93U	0.87U	0.87U	0.87U	0.85U	0.86U
Chloroethane	1.7U	1.8U	1.7U	1.7U	1.6U	1.6U	1.6U
Trichlorofluoromethane	2.7U	2.8U	2.7U	2.7U	2.6U	2.6U	2.6U
1,1-Dichloroethene	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Methylene Chloride	2.9U	2.9U	2.8U	2.8U	2.7U	2.7U	2.7U
trans-1,2-Dichloroethene	0.74U	0.76U	0.72U	0.72U	0.71U	0.7U	0.71U
1,1-Dichloroethane	0.74U	0.76U	0.72U	0.72U	0.71U	0.7U	0.71U
Carbon Disulfide	1.7U	1.8U	1.7U	1.7U	1.6U	1.6U	1.6U
2,2-Dichloropropane	1.4U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
cis-1,2-dichloroethene	0.8U	0.82U	0.77U	0.77U	0.77U	0.75U	0.76U
Bromochloromethane	0.94U	0.96U	0.91U	0.91U	0.9U	0.88U	0.89U
Chloroform	0.92U	0.94U	0.88U	0.88U	0.88U	0.86U	0.87U
1,1,1-Trichloroethane	0.58U	0.6U	0.56U	0.56U	0.56U	0.55U	0.55U
1,1-Dichloropropene	1.1U	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1.1U	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U
Benzene	0.6U	0.61U	0.57U	0.57U	0.57U	0.56U	0.57U
1,2-Dichloroethane	0.93U	0.95U	0.9U	0.9U	0.89U	0.87U	0.88U
Trichloroethene	1.3U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloropropane	1.3U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
Bromodichloromethane	0.76U	0.77U	0.73U	0.73U	0.72U	0.71U	0.72U
Dibromomethane	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U
cis-1,3-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1.1U
Toluene	0.92U	0.94U	0.88U	0.88U	0.88U	0.86U	0.87U
trans-1,3-Dichloropropene	0.68U	0.69U	0.65U	0.65U	0.65U	0.63U	0.64U
1,1,2-Trichloroethane	0.93U	0.95U	0.9U	0.9U	0.89U	0.87U	0.88U
1,2-Dibromoethane	1U	1U	0.97U	0.97U	0.96U	0.94U	0.96U
Tetrachloroethene	0.89U	0.92U	0.86U	0.86U	0.85U	0.84U	0.85U
1,3-Dichloropropane	0.99U	1U	0.95U	0.95U	0.94U	0.92U	0.94U
Dibromochloromethane	0.66U	0.68U	0.64U	0.64U	0.64U	0.62U	0.63U
Chlorobenzene	0.65U	0.67U	0.63U	0.63U	0.62U	0.61U	0.62U
1,1,1,2-Tetrachloroethane	0.56U	0.58U	0.54U	0.54U	0.54U	0.53U	0.53U
Ethylbenzene	0.8U	0.82U	0.77U	0.77U	0.77U	0.75U	0.76U
m & p-Xylene	1.1U	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.53U	0.54U	0.51U	0.51U	0.5U	0.49U	0.5U
Styrene	0.69U	0.7U	0.66U	0.66U	0.66U	0.64U	0.65U
2-Hexanone	4.9U	5U	4.8U	4.8U	4.7U	4.6U	4.7U

Table 5-11 (continued)
Summary of Soil Analytical Results
for Soil Boring SB17

Analytes	SB17-0101	SB17-0109	SB17-0119	SB17-0129	SB17-0139	SB17-0145	SB17-0159
Bromoform	1.4U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
Isopropylbenzene	0.76U	0.77U	0.73U	0.73U	0.72U	0.71U	0.72U
1,1,2,2-Tetrachloroethane	2.5U	2.6U	2.4U	2.4U	2.4U	2.4U	2.4U
Bromobenzene	1.1U	1.1U	1U	1U	1U	1U	1U
1,2,3-Trichloropropane	2.3U	2.3U	2.2U	2.2U	2.2U	2.1U	2.2U
n-Propylbenzene	0.66U	0.68U	0.64U	0.64U	0.64U	0.62U	0.63U
2-Chlorotoluene	0.89U	0.92U	0.86U	0.86U	0.85U	0.84U	0.85U
4-Chlorotoluene	0.92U	0.94U	0.88U	0.88U	0.88U	0.86U	0.87U
1,3,5-Trimethylbenzene	0.57U	0.59U	0.55U	0.55U	0.55U	0.54U	0.54U
tert-Butylbenzene	0.62U	0.63U	0.6U	0.6U	0.59U	0.58U	0.59U
1,2,4-Trimethylbenzene	0.8U	0.82U	0.77U	0.77U	0.77U	0.75U	0.76U
sec-Butylbenzene	0.72U	0.74U	0.7U	0.7U	0.69U	0.68U	0.69U
p-Isopropyltoluene	0.7U	0.72U	0.67U	0.67U	0.67U	0.65U	0.66U
1,3-Dichlorobenzene	1.1U	1.1U	1U	1U	1U	0.99U	1U
1,4-Dichlorobenzene	1.1U	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.4U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
n-Butylbenzene	1.1U	1.2U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.9U	2.9U	2.8U	2.8U	2.7U	2.7U	2.7U
1,2,4-Trichlorobenzene	1.3U	1.3U	1.2U	1.2U	1.2U	1.2U	1.2U
Hexachlorobutadiene	0.89U	0.92U	0.86U	0.86U	0.85U	0.84U	0.85U
Naphthalene	1.9U	2.0U	1.9U	1.9U	1.9U	1.8U	1.8U
1,2,3-Trichlorobenzene	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Acetone	9.9U	10.1U	9.5U	9.5U	9.4U	9.2U	21.8 J
2-Butanone	9.0U	9.2U	8.7U	8.7U	8.6U	8.4U	8.6U
4-Methyl-2-Pentanone	4.1U	4.2U	4U	4U	3.9U	3.9U	3.9U
BNAs (Method 8270)	***Concentration (µg/kg)***						
Phenol	49.3U	50.5U	47.5U	47.5U	47.1U	46.1U	46.8U
Bis(-2-Chloroethyl)Ether	47.0U	48.1U	45.3U	45.3U	44.9U	44.0U	44.6U
2-Chlorophenol	48.1U	49.3U	46.4U	46.4U	46.0U	45.1U	45.7U
1,3-Dichlorobenzene	51.5U	52.8U	49.7U	49.7U	49.3U	48.3U	49.0U
1,4-Dichlorobenzene	48.1U	49.3U	46.4U	46.4U	46.0U	45.1U	45.7U
Benzyl Alcohol	45.8U	46.9U	44.2U	44.2U	43.8U	42.9U	43.5U
1,2-Dichlorobenzene	63.0U	64.6U	60.8U	60.8U	60.2U	59.0U	59.8U
2-Methylphenol	51.5U	52.8U	49.7U	49.7U	49.3U	48.3U	49.0U
Bis(2-Chloroisopropyl)Ether	56.1U	57.5U	54.1U	54.1U	53.7U	52.6U	53.3U
4-Methylphenol	49.3U	50.5U	47.5U	47.5U	47.1U	46.1U	46.8U
N-Nitroso-Di-N-Propylamine	52.7U	54.0U	50.8U	50.8U	50.4U	49.4U	50.1U
Hexachloroethane	56.1U	57.5U	54.1U	54.1U	53.7U	52.6U	53.3U
Nitrobenzene	40.1U	41.1U	38.7U	38.7U	38.3U	37.6U	38.1U
Isophorone	32.1U	32.9U	30.9U	30.9U	30.7U	30.0U	30.5U
2-Nitrophenol	44.7U	45.8U	43.1U	43.1U	42.7U	41.8U	42.4U
2,4-Dimethylphenol	37.8U	38.7U	36.5U	36.5U	36.1U	35.4U	35.9U
Benzoic Acid	93.9U	96.2U	90.6U	90.6U	89.8U	88.0U	89.2U

Table 5-11 (continued)
Summary of Soil Analytical Results
for Soil Boring SB17

Analytes	SB17-0101	SB17-0109	SB17-0119	SB17-0129	SB17-0139	SB17-0145	SB17-0159
Bis(-2-Chloroethoxy)Methane	43.5U	44.6U	42.0U	42.0U	41.6U	40.8U	41.3U
2,4-Dichlorophenol	50.4U	51.6U	48.6U	48.6U	48.2U	47.2U	47.9U
1,2,4-Trichlorobenzene	43.5U	44.6U	42.0U	42.0U	41.6U	40.8U	41.3U
Naphthalene	43.5U	44.6U	42.0U	42.0U	41.6U	40.8U	41.3U
4-Chloroaniline	158U	162U	152U	152U	151U	148U	150U
Hexachlorobutadiene	47.0U	48.1U	45.3U	45.3U	44.9U	44.0U	44.6U
4-Chloro-3-Methylphenol	41.2U	42.3U	39.8U	39.8U	39.4U	38.6U	39.2U
2-Methylnaphthalene	41.2U	42.3U	39.8U	39.8U	39.4U	38.6U	39.2U
Hexachlorocyclopentadiene	38.9U	39.9U	37.6U	37.6U	37.2U	36.5U	37.0U
2,4,6-Trichlorophenol	37.8U	38.7U	36.5U	36.5U	36.1U	35.4U	35.9U
2,4,5-Trichlorophenol	42.4U	43.4U	40.9U	40.9U	40.5U	39.7U	40.3U
2-Chloronaphthalene	40.1U	41.1U	38.7U	38.7U	38.3U	37.6U	38.1U
2-Nitroaniline	29.8U	30.5U	28.7U	28.7U	28.5U	27.9U	28.3U
Dimethyl Phthalate	35.5U	36.4U	34.3U	34.3U	34.0U	33.3U	33.7U
Acenaphthylene	44.7U	45.8U	43.1U	43.1U	42.7U	41.8U	44.4U
2,6-Dinitrotoluene	36.7U	37.6U	35.4U	35.4U	35.0U	34.3U	34.8U
3-Nitroaniline	89.3U	91.5U	86.2U	86.2U	85.4U	83.7U	84.9U
Acenaphthene	36.7U	37.6U	35.4U	35.4U	35.0U	34.3U	34.8U
2,4-Dinitrophenol	34.4U	35.2U	33.1U	33.1U	32.9U	32.3U	32.6U
4-Nitrophenol	53.8U	55.2U	51.9U	51.9U	51.5U	50.4U	51.1U
Dibenzofuran	38.9U	39.9U	37.6U	37.6U	37.2U	36.5U	37.0U
2,4-Dinitrotoluene	34.4U	35.2U	33.1U	33.1U	32.9U	32.2U	32.6U
Diethylphthalate	41.2U	42.3U	39.8U	39.8U	39.4U	38.6U	39.2U
4-Chlorophenyl-Phenylether	38.9U	39.9U	37.6U	37.6U	37.2U	36.5U	37.0U
Fluorene	40.1U	41.1U	38.7U	38.7U	38.3U	37.6U	38.1U
4-Nitroaniline	67.6U	69.2U	65.2U	65.2U	64.6U	63.3U	64.2U
4,6-Dinitro-2-Methylphenol	52.7U	54.0U	50.8U	50.8U	50.4U	49.4U	50.1U
N-Nitrosodiphenylamine	44.7U	45.8U	43.1U	43.1U	42.7U	41.8U	42.4U
4-Bromophenyl-Phenylether	40.1U	41.1U	38.7U	38.7U	38.3U	37.6U	38.1U
Phenanthrene	34.4U	35.2U	33.1U	33.1U	32.9U	32.2U	83.3 J
Hexachlorobenzene	35.5U	36.4U	34.3U	34.3U	34.0U	33.3U	33.7U
Pentachlorophenol	64.1U	65.7U	61.9U	61.9U	61.3U	60.1U	60.9U
Anthracene	33.2U	34.0U	32.0U	32.0U	31.8U	31.1U	31.6U
Di-N-Butylphthalate	101 J	28.8 J	24.4 J	24.3U	24.1U	23.6U	23.9U
Fluoranthene	32.1U	32.9U	30.9U	30.9U	30.7U	30.0U	141 J
Pyrene	32.1U	32.9U	30.9U	30.9U	30.7U	30.0U	115 J
Butylbenzylphthalate	34.4U	35.2U	33.1U	33.1U	32.9U	32.2U	32.6U
3,3'-Dichlorobenzidine	270U	277U	261U	261U	258U	253U	257U
Benzo(a)Anthracene	27.5U	28.2U	26.5U	26.5U	26.3U	26.8U	53.6 J
Chrysene	28.6U	29.3U	27.6U	27.6U	27.4U	26.8U	60.1 J
Bis(2-Ethylhexyl)Phthalate	35.5U	36.4U	34.3U	142 J	34.0U	33.3U	201 J
Di-N-Octyl Phthalate	32.1U	32.9U	30.9U	30.9U	30.7U	30.0U	30.5U
Benzo(b)Fluoranthene	60.7U	62.2U	58.6U	58.6U	58.1U	56.9U	57.7U

Table 5-11 (continued)
Summary of Soil Analytical Results
for Soil Boring SB17

Analytes	SB17-0101	SB17-0109	SB17-0119	SB17-0129	SB17-0139	SB17-0145	SB17-0159
Benzo(k)Fluoranthene	75.6U	77.5U	72.9U	72.9U	72.3U	70.8U	71.8U
Benzo(a)Pyrene	33.2U	34.0U	32.0U	32.0U	31.8U	31.1U	64.7 J
Indeno(1,2,3-cd)Pyrene	37.8U	38.7U	36.5U	36.5U	36.1U	35.4U	35.9U
Dibenzo(a,h)Anthracene	35.5U	36.4U	34.3U	34.3U	34.0U	33.3U	33.7U
Inorganics	***Concentration (mg/kg)***						
Aluminum	9190	2240	3610	4190	3530	4700	5970
Antimony	6.2	2.4	4.5	3.3	2.5	3.7	5.8
Arsenic	1.8	0.97	1.3	0.66	0.6	0.76	0.87
Barium	160	91.8	89.5	112	58.7	64.2	108
Beryllium	0.61	0.2	0.29	0.22	0.19	0.26	0.27
Cadmium	0.57U	0.59U	0.55U	0.55U	0.55U	0.54U	0.54U
Calcium	3280	221000	65800	169000	71500	52200	53200
Chromium	9.8	2.4	4.1	5.5	3.5	7.3	20.9
Cobalt	5.4	1.7	1.9	1.5	1.5	1.5	2.4
Copper	8.4	1.6	2.5	2	1.1	2.1	4.1
Iron	10100	1830	3720	2890	2740	4680	7520
Lead	7.3	1	2.7	1	1.2	1.4	2.1
Magnesium	1600	2130	2070	3670	4200	2740	5300
Manganese	262	18.8	52.2	28.6	29.3	41.6	87.7
Mercury	0.092U	0.094U	0.088U	0.088U	0.088U	0.086U	0.087U
Nickel	8.3	3.3	4.6	4.1	3.8	4.2	6.5
Potassium	1730	604	1130	805	685	1170	1390
Selenium	0.29U	0.29U	0.28U	0.28U	0.27U	0.27U	0.27U
Silver	0.57U	0.59U	0.55U	0.55U	0.55U	0.54U	0.54U
Sodium	84.2	122	119	171	129	159	187
Thallium	0.11U	0.12U	0.11U	0.11U	0.11U	0.11U	0.11U
Vanadium	17.6	4.2	11.8	9.7	16.9	9.2	12.4
Zinc	24.4	7.9	10.2	8.2	7.4	7.4	21.2
Cyanide, Total	0.57U	0.6U	0.56U	0.55U	0.55U	0.54U	0.55U
Petroleum Hydrocarbons	583	20.4	18.0	18.0	19.0	37.8	270
	(%)						
Solids, Total	87.3	85.2	90.5	90.5	91.3	93.2	91.9

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-12
Summary of Soil Analytical Data
for Soil Boring SB18

Analytes	SB18-0101	SB18-0109	SB18-0119	SB18-0124	SB18-0133	SB18-0143	SB18-0159
VOAs (Method 8260A)	***Concentration (µg/kg)***						
Dichlorodifluoromethane	2.4U	2.4U	2.3U	2.3U	2.3U	2.2U	2.3U
Chloromethane	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
Vinyl Chloride	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Bromomethane	0.89U	0.89U	0.87U	0.88U	0.86U	0.84U	0.85U
Chloroethane	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
Trichlorofluoromethane	2.7U	2.7U	2.7U	2.7U	2.6U	2.6U	2.6U
1,1-Dichloroethene	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Methylene Chloride	2.8U	2.8U	2.8U	2.8U	2.7U	2.7U	2.7U
trans-1,2-Dichloroethene	0.73U	0.73U	0.72U	0.72U	0.71U	0.69U	0.70U
1,1-Dichloroethane	0.73U	0.73U	0.72U	0.72U	0.71U	0.69U	0.70U
Carbon Disulfide	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U	1.6U
2,2-Dichloropropane	1.3U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
cis-1,2-dichloroethene	0.79U	0.79U	0.77U	0.78U	0.77U	0.75U	0.75U
Bromochloromethane	0.92U	0.92U	0.91U	0.91U	0.9U	0.87U	0.88U
Chloroform	0.9U	0.9U	0.88U	0.89U	0.87U	0.85U	0.86U
1,1,1-Trichloroethane	0.57U	0.57U	0.56U	0.57U	0.56U	0.54U	0.55U
1,1-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1.1U
Benzene	0.58U	0.59U	0.57U	0.58U	0.57U	0.55U	0.56U
1,2-Dichloroethane	0.91U	0.91U	0.9U	0.9U	0.89U	0.86U	0.87U
Trichloroethene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloropropane	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Bromodichloromethane	0.74U	0.74U	0.73U	0.73U	0.72U	0.7U	0.71U
Dibromomethane	1.1U	1.1U	1.1U	1.1U	1U	1U	1U
cis-1,3-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U
Toluene	0.9U	0.9U	0.88U	0.89U	0.87U	0.85U	0.86U
trans-1,3-Dichloropropene	0.66U	0.66U	0.65U	0.66U	0.64U	0.63U	0.64U
1,1,2-Trichloroethane	0.91U	0.91U	0.9U	0.9U	0.89U	0.86U	0.87U
1,2-Dibromoethane	0.99U	0.99U	0.97U	0.98U	0.96U	0.94U	0.95U
Tetrachloroethene	0.88U	0.88U	0.86U	0.87U	0.85U	0.83U	0.84U
1,3-Dichloropropane	0.97U	0.97U	0.95U	0.96U	0.94U	0.92U	0.93U
Dibromochloromethane	0.65U	0.65U	0.64U	0.65U	0.63U	0.62U	0.62U
Chlorobenzene	0.64U	0.64U	0.63U	0.63U	0.62U	0.61U	0.61U
1,1,1,2-Tetrachloroethane	0.55U	0.55U	0.54U	0.55U	0.54U	0.52U	0.53U
Ethylbenzene	0.79U	0.79U	0.77U	0.78U	0.77U	0.75U	0.75U
m & p-Xylene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.52U	0.52U	0.51U	0.51U	0.5U	0.49U	0.5U
Styrene	0.67U	0.68U	0.66U	0.67U	0.66U	0.64U	0.65U
2-Hexanone	4.8U	4.8U	4.8U	4.8U	4.7U	4.6U	4.6U

Table 5-12 (continued)
Summary of Soil Analytical Data
for Soil Boring SB18

Analytes	SB18-0101	SB18-0109	SB18-0119	SB18-0124	SB18-0133	SB18-0143	SB18-0159
Bromoform	1.3U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
Isopropylbenzene	0.74U	0.74U	0.73U	0.73U	0.72U	0.7U	0.71U
1,1,2,2-Tetrachloroethane	2.5U	2.5U	2.4U	2.4U	2.4U	2.3U	2.4U
Bromobenzene	1.1U	1.1U	1U	1U	1U	1U	1U
1,2,3-Trichloropropane	2.2U	2.3U	2.2U	2.2U	2.2U	2.1U	2.2U
n-Propylbenzene	0.65U	0.65U	0.64U	0.65U	0.63U	0.62U	0.62U
2-Chlorotoluene	0.88U	0.88U	0.86U	0.87U	0.85U	0.83U	0.84U
4-Chlorotoluene	0.9U	0.9U	0.88U	0.89U	0.87U	0.85U	0.86U
1,3,5-Trimethylbenzene	0.56U	0.56U	0.55U	0.56U	0.55U	0.53U	0.54U
tert-Butylbenzene	0.61U	0.61U	0.6U	0.6U	0.59U	0.58U	0.58U
1,2,4-Trimethylbenzene	0.79U	0.79U	0.77U	0.78U	0.77U	0.75U	0.75U
sec-Butylbenzene	0.71U	0.71U	0.7U	0.7U	0.69U	0.67U	0.68U
p-Isopropyltoluene	0.69U	0.69U	0.67U	0.68U	0.67U	0.65U	0.66U
1,3-Dichlorobenzene	1U	1U	1U	1U	1U	0.98U	0.99U
1,4-Dichlorobenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.3U	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U
n-Butylbenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.8U	2.8U	2.8U	2.8U	2.7U	2.7U	2.7U
1,2,4-Trichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Hexachlorobutadiene	0.88U	0.88U	0.86U	0.87U	0.85U	0.83U	0.84U
Naphthalene	1.9U	1.9U	1.9U	1.9U	1.9U	1.8U	1.8U
1,2,3-Trichlorobenzene	1.5U	1.5U	1.4U	1.4U	1.4U	1.4U	1.4U
Acetone	9.7U	9.7U	9.5U	9.6U	9.4U	9.2U	9.3U
2-Butanone	8.8U	8.9U	8.7U	8.7U	8.6U	8.4U	8.5U
4-Methyl-2-Pentanone	4U	4.1U	4U	4U	3.9U	3.8U	3.9U
BNAs (Method 8270)	***Concentration (µg/kg)***						
Phenol	48.3U	48.5U	47.5U	47.8U	47.0U	45.8U	46.3U
Bis(-2-Chloroethyl)Ether	46.1U	46.2U	45.3U	45.6U	44.8U	43.7U	44.1U
2-Chlorophenol	47.2U	47.4U	46.4U	46.7U	45.9U	44.8U	45.2U
1,3-Dichlorobenzene	50.6U	50.7U	49.7U	50.1U	49.2U	48.0U	48.4U
1,4-Dichlorobenzene	47.2U	47.4U	46.4U	46.7U	45.9U	44.8U	45.2U
Benzyl Alcohol	44.9U	45.1U	44.2U	44.5U	43.7U	42.6U	43.1U
1,2-Dichlorobenzene	61.8U	62.0U	60.8U	61.2U	60.1U	58.6U	59.2U
2-Methylphenol	50.6U	50.7U	49.7U	50.1U	49.2U	48.0U	48.4U
Bis(2-Chloroisopropyl)Ether	55.1U	55.2U	54.1U	54.5U	53.6U	52.2U	52.7U
4-Methylphenol	48.3U	48.5U	47.5U	47.8U	47.0U	45.8U	46.3U
N-Nitroso-Di-N-Propylamine	51.7U	51.9U	50.8U	51.2U	50.3U	49.0U	49.5U
Hexachloroethane	55.1U	55.2U	54.1U	54.5U	53.6U	52.2U	52.7U
Nitrobenzene	39.3U	39.5U	38.7U	38.9U	38.3U	37.3U	37.7U
Isophorone	31.5U	31.6U	30.9U	31.1U	30.6U	29.9U	30.1U
2-Nitrophenol	43.8U	44.0U	43.1U	43.4U	42.6U	41.6U	42.0U
2,4-Dimethylphenol	37.1U	37.2U	36.5U	36.7U	36.1U	35.2U	35.5U
Benzoic Acid	92.1U	92.4U	90.6U	91.2U	89.6U	87.4U	88.3U

Table 5-12 (continued)
Summary of Soil Analytical Data
for Soil Boring SB18

Analytes	SB18-0101	SB18-0109	SB18-0119	SB18-0124	SB18-0133	SB18-0143	SB18-0159
Bis(-2-Chloroethoxy)Methane	42.7U	42.8U	42.0U	42.3U	41.5U	40.5U	40.9U
2,4-Dichlorophenol	49.4U	49.6U	48.6U	48.9U	48.1U	46.9U	47.4U
1,2,4-Trichlorobenzene	42.7U	42.8U	42.0U	42.3U	41.5U	40.5U	40.9U
Naphthalene	42.7U	42.8U	42.0U	42.3U	41.5U	40.5U	40.9U
4-Chloroaniline	155U	156U	152U	154U	151U	147U	149U
Hexachlorobutadiene	46.1U	46.2U	45.3U	45.6U	44.8U	43.7U	44.1U
4-Chloro-3-Methylphenol	40.4U	40.6U	39.8U	40.0U	39.3U	38.4U	38.8U
2-Methylnaphthalene	40.4U	40.6U	39.8U	40.0U	39.3U	38.4U	38.8U
Hexachlorocyclopentadiene	38.2U	38.3U	37.6U	37.8U	37.2U	36.2U	36.6U
2,4,6-Trichlorophenol	37.1U	37.2U	36.5U	36.7U	36.1U	35.2U	35.5U
2,4,5-Trichlorophenol	41.6U	41.7U	40.9U	41.2U	40.4U	39.4U	39.8U
2-Chloronaphthalene	39.3U	39.5U	38.7U	38.9U	38.3U	37.3U	37.7U
2-Nitroaniline	29.2U	29.3U	28.7U	28.9U	28.4U	27.7U	28.0U
Dimethyl Phthalate	34.8U	34.9U	34.3U	34.5U	33.9U	33.0U	33.4U
Acenaphthylene	43.8U	44.0U	43.1U	43.4U	42.6U	41.6U	42.0U
2,6-Dinitrotoluene	36.0U	36.1U	35.4U	35.6U	35.0U	34.1U	34.4U
3-Nitroaniline	87.6U	87.9U	86.2U	86.8U	85.2U	83.2U	84.0U
Acenaphthene	36.0U	36.1U	35.4U	35.6U	35.0U	34.1U	34.4U
2,4-Dinitrophenol	33.7U	33.8U	33.1U	33.4U	32.8U	32.0U	32.3U
4-Nitrophenol	55.8U	53.0U	51.9U	52.3U	51.4U	50.1U	50.6U
Dibenzofuran	38.2U	38.3U	37.6U	37.8U	37.2U	36.2U	36.6U
2,4-Dinitrotoluene	33.7U	33.8U	33.1U	33.4U	32.8U	32.0U	32.3U
Diethylphthalate	40.4U	40.6U	39.8U	40.0U	39.3U	38.4U	38.8U
4-Chlorophenyl-Phenylether	38.2U	38.3U	37.6U	37.8U	37.2U	36.2U	36.6U
Fluorene	39.3U	39.5U	38.7U	38.9U	38.3U	37.3U	37.7U
4-Nitroaniline	66.3U	66.5U	65.2U	65.6U	64.5U	62.9U	63.5U
4,6-Dinitro-2-Methylphenol	51.7U	51.9U	50.8U	51.2U	50.3U	49.0U	49.5U
N-Nitrosodiphenylamine	43.8U	44.0U	43.1U	43.4U	42.6U	41.6U	42.0U
4-Bromophenyl-Phenylether	39.3U	39.5U	38.7U	38.9U	38.3U	37.3U	37.7U
Phenanthrene	33.7U	33.8U	33.1U	33.4U	32.8U	32.0U	32.3U
Hexachlorobenzene	34.1U	34.9U	34.3U	34.5U	33.9U	33.0U	33.4U
Pentachlorophenol	62.9U	63.1U	61.9U	62.3U	61.2U	59.7U	60.3U
Anthracene	32.6U	32.7U	32.0U	32.3U	31.7U	30.9U	31.2U
Di-N-Butylphthalate	24.7U	24.8U	24.3U	24.5U	24.0U	23.5U	23.7U
Fluoranthene	31.5U	31.6U	30.9U	31.1U	30.6U	29.9U	30.1U
Pyrene	31.5U	31.6U	30.9U	31.1U	30.6U	29.9U	30.1U
Butylbenzylphthalate	33.7U	33.8U	33.1U	33.4U	32.8U	32.0U	32.3U
3,3'-Dichlorobenzidine	265U	266U	261U	263U	258U	252U	254U
Benzo(a)Anthracene	27.0U	27.1U	26.5U	26.7U	26.2U	25.6U	25.8U
Chrysene	28.1U	28.2U	27.6U	27.8U	27.3U	26.7U	26.9U
Bis(2-Ethylhexyl)Phthalate	34.8U	41.4J	34.3U	34.5U	33.9U	33.0U	33.4U
Di-N-Octyl Phthalate	31.5U	31.6U	30.9U	31.1U	30.6U	29.9U	30.1U
Benzo(b)Fluoranthene	59.6U	59.8U	58.6U	59.0U	57.9U	56.5U	57.1U

Table 5-12 (continued)
Summary of Soil Analytical Data
for Soil Boring SB18

Analytes	SB18-0101	SB18-0109	SB18-0119	SB18-0124	SB18-0133	SB18-0143	SB18-0159
Benzo(k)Fluoranthene	74.2U	74.4U	72.9U	73.4U	72.1U	70.4U	71.0U
Benzo(a)Pyrene	32.6U	32.7U	32.0U	32.3U	31.7U	30.9U	31.2U
Indeno(1,2,3-cd)Pyrene	37.1U	37.2U	36.5U	36.7U	36.1U	35.2U	35.5U
Dibenzo(a,h)Anthracene	34.8U	34.9U	34.3U	34.5U	33.9U	33.0U	33.4U
Inorganics	***Concentration (mg/kg)***						
Aluminum	7560	5870	4730	8050	3340	3540	4020
Antimony	5.2	3.5	4.2	4.3	2.9	2.8	2.8
Arsenic	1.7	1.6	3.3	3.1	1.2	0.73	0.4
Barium	65.3	1250	87.5	63.0	106	100	36.9
Beryllium	0.53	0.47	0.38	0.53	0.19	0.2	0.19
Cadmium	0.56U	0.56U	0.55U	0.56U	0.55U	0.53U	0.54U
Calcium	1680	189000	72000	98900	142000	46700	28100
Chromium	8.5	3.9	4.9	5.3	3.8	6.1	3.7
Cobalt	4	3.5	2.5	3.2	1.1	1.5	1.5
Copper	5.6	3	3.4	5.4	2.6	2.2	2
Iron	8690	3870	4840	5530	2630	3680	3270
Lead	5.7	3	3.1	2.9	1.1	1.2	1.1
Magnesium	1300	3000	2610	3600	3200	3530	5280
Manganese	158	66.9	67.3	114	24.6	38.7	38.1
Mercury	0.09U	0.09U	0.088U	0.089U	0.087U	0.085U	0.086U
Nickel	8.8	6.2	6.3	10.7	4.7	4.1	6.1
Potassium	1310	1030	1680	2360	666	856	902
Selenium	0.28U	0.69	0.28U	0.28U	0.27U	0.27U	0.27U
Silver	0.56U	0.56U	0.55U	0.56U	0.55U	0.53U	0.54U
Sodium	102	115	228	322	172	140	111
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U
Vanadium	16.6	10.0	23.4	16.2	12.1	11.1	9.9
Zinc	21.1	11.7	12.6	21.5	21.8	11.8	13.5
Cyanide, Total	0.57U	0.54U	0.56U	0.55U	0.55U	0.52U	0.52U
Petroleum Hydrocarbons	42.6	16.9U	16.6U	16.7U	16.4U	40.4	16.1U
	(%)						
Solids, Total	89.0	88.7	90.5	89.9	91.5	93.8	92.9

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-13
Summary of Soil Analytical Data
for Soil Boring SB19

Analytes	SB19-0101	SB19-0104	SB19-0117	SB19-0129	SB19-0133	SB19-0145	SB19-0159
VOAs (Method 8260A)	***Concentration (µg/kg)***						
Dichlorodifluoromethane	2.4U	2.3U	2.3U	2.3U	2.4U	2.3U	2.3U
Chloromethane	1.7U	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U
Vinyl Chloride	1.5U	1.4U	1.5U	1.5U	1.5U	1.4U	1.4U
Bromomethane	0.9U	0.88U	0.88U	0.88U	0.89U	0.85U	0.84U
Chloroethane	1.7U	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U
Trichlorofluoromethane	2.7U	2.7U	2.7U	2.7U	2.7U	2.6U	2.6U
1,1-Dichloroethene	1.5U	1.4U	1.5U	1.5U	1.5U	1.4U	1.4U
Methylene Chloride	11.6	2.8U	2.8U	2.8U	2.8U	2.7U	8.5
trans-1,2-Dichloroethene	0.74U	0.72U	0.73U	0.73U	0.73U	0.70U	0.69U
1,1-Dichloroethane	0.74U	0.72U	0.73U	0.73U	0.73U	0.70U	0.69U
Carbon Disulfide	1.7U	1.7U	1.7U	1.7U	1.7U	1.6U	1.6U
2,2-Dichloropropane	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
cis-1,2-dichloroethene	0.79U	0.78U	0.78U	0.78U	0.79U	0.76U	0.75U
Bromochloromethane	0.93U	0.91U	0.92U	0.92U	0.92U	0.88U	0.87U
Chloroform	0.91U	0.89U	0.89U	0.89U	0.9U	0.86U	0.85U
1,1,1-Trichloroethane	0.58U	0.57U	0.57U	0.57U	0.57U	0.55U	0.54U
1,1-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
Carbon Tetrachloride	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1U
Benzene	0.59U	0.58U	0.58U	0.58U	0.58U	0.56U	0.55U
1,2-Dichloroethane	0.92U	0.9U	0.9U	0.91U	0.91U	0.87U	0.86U
Trichloroethene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloropropane	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Bromodichloromethane	0.75U	0.73U	0.74U	0.74U	0.74U	0.71U	0.7U
Dibromomethane	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U
cis-1,3-Dichloropropene	1.1U	1.1U	1.1U	1.1U	1.1U	1U	1U
Toluene	0.91U	0.89U	0.89U	0.89U	0.9U	0.86U	0.85U
trans-1,3-Dichloropropene	0.67U	0.65U	0.66U	0.66U	0.66U	0.64U	0.63U
1,1,2-Trichloroethane	0.92U	0.9U	0.9U	0.91U	0.91U	0.87U	0.86U
1,2-Dibromoethane	1U	0.98U	0.98U	0.98U	0.99U	0.95U	0.94U
Tetrachloroethene	0.88U	0.86U	0.87U	0.87U	0.88U	0.84U	0.83U
1,3-Dichloropropane	0.98U	0.95U	0.96U	0.96U	0.97U	0.93U	0.92U
Dibromochloromethane	0.66U	0.64U	0.65U	0.65U	0.65U	0.63U	0.62U
Chlorobenzene	0.65U	0.63U	0.64U	0.64U	0.64U	0.61U	0.61U
1,1,1,2-Tetrachloroethane	0.56U	0.54U	0.55U	0.55U	0.55U	0.53U	0.52U
Ethylbenzene	0.79U	0.78U	0.78U	0.78U	0.79U	0.76U	0.75U
m & p-Xylene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
o-Xylene	0.52U	0.51U	0.51U	0.51U	0.52U	0.5U	0.49U
Styrene	0.68U	0.67U	0.67U	0.67U	0.67U	0.65U	0.64U
2-Hexanone	4.9U	4.8U	4.8U	4.8U	4.8U	4.6U	4.6U

Table 5-13 (continued)
Summary of Soil Analytical Data
for Soil Boring SB19

Analytes	SB19-0101	SB19-0104	SB19-0117	SB19-0129	SB19-0133	SB19-0145	SB19-0159
Bromoform	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Isopropylbenzene	0.75U	0.73U	0.74U	0.74U	0.74U	0.71U	0.7U
1,1,2,2-Tetrachloroethane	2.5U	2.4U	2.5U	2.5U	2.5U	2.4U	2.3U
Bromobenzene	1.1U	1U	1U	1.1U	1.1U	1U	1U
1,2,3-Trichloropropane	2.3U	2.2U	2.2U	2.2U	2.2U	2.2U	2.1U
n-Propylbenzene	0.66U	0.64U	0.65U	0.65U	0.65U	0.63U	0.62U
2-Chlorotoluene	0.88U	0.86U	0.87U	0.87U	0.88U	0.84U	0.83U
4-Chlorotoluene	0.91U	0.89U	0.89U	0.89U	0.9U	0.86U	0.85U
1,3,5-Trimethylbenzene	0.57U	0.55U	0.56U	0.56U	0.56U	0.54U	0.53U
tert-Butylbenzene	0.61U	0.6U	0.6U	0.6U	0.61U	0.58U	0.58U
1,2,4-Trimethylbenzene	0.79U	0.78U	0.78U	0.78U	0.79U	0.76U	0.75U
sec-Butylbenzene	0.71U	0.7U	0.7U	0.7U	0.71U	0.68U	0.67U
p-Isopropyltoluene	0.69U	0.68U	0.68U	0.68U	0.69U	0.66U	0.65U
1,3-Dichlorobenzene	1U	1U	1U	1U	1U	0.99U	0.98U
1,4-Dichlorobenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dichlorobenzene	1.4U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
n-Butylbenzene	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,2-Dibromo-3-Chloropropane	2.8U	2.8U	2.8U	2.8U	2.8U	2.7U	2.7U
1,2,4-Trichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
Hexachlorobutadiene	0.88U	0.86U	0.87U	0.87U	0.88U	0.84U	0.83U
Naphthalene	1.9U	1.9U	1.9U	1.9U	1.9U	1.8U	1.8U
1,2,3-Trichlorobenzene	1.5U	1.4U	1.5U	1.5U	1.5U	1.4U	1.4U
Acetone	9.8U	9.5U	9.6U	9.6U	9.7U	9.3U	9.2U
2-Butanone	8.9U	8.7U	8.8U	8.8U	8.8U	8.5U	8.4U
4-Methyl-2-Pentanone	4.1U	4U	4U	4U	4U	3.9U	3.8U
BNAs (Method 8270)	***Concentration (µg/kg)***						
Phenol	48.8U	47.7U	48.0U	48.0U	48.3U	46.4U	45.8U
Bis(-2-Chloroethyl)Ether	46.5U	45.5U	45.8U	45.8U	46.0U	44.2U	43.7U
2-Chlorophenol	47.6U	46.6U	46.9U	46.9U	47.1U	45.3U	44.7U
1,3-Dichlorobenzene	51.0U	49.9U	50.2U	50.3U	50.5U	48.5U	47.9U
1,4-Dichlorobenzene	47.6U	46.6U	46.9U	46.9U	47.1U	45.3U	44.7U
Benzyl Alcohol	45.4U	44.3U	44.6U	44.7U	44.9U	43.1U	42.6U
1,2-Dichlorobenzene	62.4U	61.0U	61.4U	61.5U	61.7U	59.3U	58.6U
2-Methylphenol	51.0U	49.9U	50.2U	50.3U	50.5U	48.5U	47.9U
Bis(2-Chloroisopropyl)Ether	55.6U	54.3U	54.7U	54.7U	55.0U	52.9U	52.2U
4-Methylphenol	48.8U	47.7U	48.0U	48.0U	48.3U	46.4U	45.8U
N-Nitroso-Di-N-Propylamine	52.2U	51.0U	51.3U	51.4U	51.6U	49.6U	49.0U
Hexachloroethane	55.6U	54.3U	54.7U	54.7U	55.0U	52.9U	52.2U
Nitrobenzene	39.7U	38.8U	39.1U	39.1U	39.3U	37.8U	37.3U
Isophorone	31.7U	31.0U	31.3U	31.3U	31.4U	30.2U	29.8U
2-Nitrophenol	44.2U	43.2U	43.5U	43.6U	43.8U	42.1U	41.5U
2,4-Dimethylphenol	37.4U	36.6U	36.8U	36.9U	37.0U	35.6U	35.1U

Table 5-13 (continued)
Summary of Soil Analytical Data
for Soil Boring SB19

Analytes	SB19-0101	SB19-0104	SB19-0117	SB19-0129	SB19-0133	SB19-0145	SB19-0159
Benzoic Acid	93.0U	90.9U	91.5U	91.6U	92.0U	88.5U	87.3U
Bis(-2-Chloroethoxy)Methane	43.1U	42.1U	42.4U	42.5U	42.6U	41.0U	40.5U
2,4-Dichlorophenol	49.9U	48.8U	49.1U	49.2U	49.4U	47.5U	46.9U
1,2,4-Trichlorobenzene	43.1U	42.1U	42.4U	42.5U	42.6U	41.0U	40.5U
Naphthalene	43.1U	42.1U	42.4U	42.5U	42.6U	41.0U	40.5U
4-Chloroaniline	156U	153U	154U	154U	155U	149U	147U
Hexachlorobutadiene	46.5U	45.5U	45.8U	45.8U	46.0U	44.2U	43.7U
4-Chloro-3-Methylphenol	40.8U	39.9U	40.2U	40.2U	40.4U	38.8U	38.3U
2-Methylnaphthalene	40.8U	39.9U	40.2U	40.2U	40.4U	38.8U	38.3U
Hexachlorocyclopentadiene	38.5U	37.7U	37.9U	38.0U	38.2U	36.7U	36.2U
2,4,6-Trichlorophenol	37.4U	36.6U	36.8U	36.9U	37.1U	35.6U	35.1U
2,4,5-Trichlorophenol	42.0U	41.0U	41.3U	41.3U	41.5U	39.9U	39.4U
2-Chloronaphthalene	39.7U	38.8U	39.1U	39.1U	39.3U	37.8U	37.3U
2-Nitroaniline	29.5U	28.8U	29.0U	29.1U	29.2U	28.0U	27.7U
Dimethyl Phthalate	35.1U	34.4U	34.6U	34.6U	34.8U	33.4U	33.0U
Acenaphthylene	44.2U	43.2U	43.5U	43.6U	43.8U	42.1U	41.5U
2,6-Dinitrotoluene	36.3U	35.5U	35.7U	35.8U	35.9U	34.5U	34.1U
3-Nitroaniline	88.4U	86.5U	87.1U	87.2U	87.5U	84.1U	83.1U
Acenaphthene	36.3U	35.5U	35.7U	35.8U	35.9U	34.5U	34.1U
2,4-Dinitrophenol	34.0U	33.3U	33.5U	33.5U	33.7U	32.4U	31.9U
4-Nitrophenol	53.3U	52.1U	52.5U	52.5U	52.8U	50.7U	50.1U
Dibenzofuran	38.5U	37.7U	37.9U	38.0U	38.2U	36.7U	36.2U
2,4-Dinitrotoluene	34.0U	33.3U	33.5U	33.5U	33.7U	32.4U	31.9U
Diethylphthalate	40.8U	39.9U	40.2U	40.2U	40.4U	38.8U	38.3U
4-Chlorophenyl-Phenylether	38.5U	37.7U	37.9U	38.0U	38.2U	36.7U	36.2U
Fluorene	39.7U	38.8U	39.1U	39.1U	39.3U	37.8U	37.3U
4-Nitroaniline	66.9U	65.4U	65.8U	65.9U	66.2U	63.6U	62.8U
4,6-Dinitro-2-Methylphenol	52.2U	51.0U	51.3U	51.4U	51.6U	49.6U	49.0U
N-Nitrosodiphenylamine	44.2U	43.2U	43.5U	43.6U	43.8U	42.1U	41.5U
4-Bromophenyl-Phenylether	39.7U	38.6U	39.1U	39.1U	39.3U	37.8U	37.3U
Phenanthrene	34.0U	33.3U	33.5U	33.5U	33.7U	32.4U	31.9U
Hexachlorobenzene	35.1U	34.4U	34.6U	34.6U	34.8U	33.4U	33.0U
Pentachlorophenol	63.5U	62.1U	62.5U	62.5U	62.9U	60.4U	59.6U
Anthracene	32.9U	32.2U	32.4U	32.4U	32.5U	31.3U	30.9U
Di-N-Butylphthalate	24.9U	24.4U	24.6U	24.6U	24.7U	23.7U	23.4U
Fluoranthene	31.7U	44.8J	31.3U	31.3U	31.4U	30.2U	29.8U
Pyrene	31.7U	60.6J	31.3U	31.3U	31.4U	30.2U	29.8U
Butylbenzylphthalate	34.0U	33.3U	33.5U	33.5U	33.7U	32.4U	31.9U
3,3'-Dichlorobenzidine	268U	262U	263U	264U	265U	255U	251U
Benzo(a)Anthracene	27.2U	26.6U	26.8U	26.8U	26.9U	25.9U	25.6U
Chrysene	28.3U	33.7J	27.9U	27.9U	28.1U	27.0U	26.6U
Bis(2-Ethylhexyl)Phthalate	35.1U	34.4U	34.6U	34.6U	34.8U	33.4U	33.0U
Di-N-Octyl Phthalate	31.7U	31.0U	31.3U	31.3U	31.4U	30.2U	29.8U

Table 5-13 (continued)
Summary of Soil Analytical Data
for Soil Boring SB19

Analytes	SB19-0101	SB19-0104	SB19-0117	SB19-0129	SB19-0133	SB19-0145	SB19-0159
Benzo(b)Fluoranthene	60.1U	58.8U	59.2U	59.2U	59.5U	57.2U	56.4U
Benzo(k)Fluoranthene	74.8U	73.2U	73.7U	73.7U	74.1U	71.2U	70.3U
Benzo(a)Pyrene	32.9U	35.8J	32.4U	32.4U	32.5U	31.3U	30.9U
Indeno(1,2,3-cd)Pyrene	37.4U	36.6U	36.8U	36.9U	37.0U	35.6U	35.1U
Dibenzo(a,h)Anthracene	35.1U	34.4U	34.6U	34.6U	34.8U	33.4U	33.0U
Inorganics	***Concentration (mg/kg)***						
Aluminum	7520	5080	6020	3510	4200	2520	3050
Antimony	2.3U	3.9	4.6	3.6	3.6	2.2U	2.7
Arsenic	1.9	1.6	1.1	1.2	1.5	0.9	0.67
Barium	90.9	222	226	454	85.5	45.8	108
Beryllium	0.55	0.31	0.4	0.28	0.3	0.15	0.17
Cadmium	0.57U	0.55U	0.56U	0.56U	0.56U	0.54U	0.53U
Calcium	1920	123000	65300	99300	71900	116000	44100
Chromium	8.4	6	5.7	7.3	3.7	3.6	4.6
Cobalt	5	2.6	2.2	2.2	1.9	3.9	2.3
Copper	5.4	3.9	2.8	2.8	1.3	1.1U	1.3
Iron	8760	4600	5320	3140	2990	2000	3030
Lead	9.5	2.1	2.7	1.5	1.9	0.97	1.6
Magnesium	1280	2130	3670	2600	2990	3540	3890
Manganese	245	83.1	56.6	32.3	28.2	64.3	62.4
Mercury	0.091U	0.089U	0.089U	0.089U	0.09U	0.086U	0.085U
Nickel	8.5	6.7	6.3	4.7	4.4	2.9	4
Potassium	1340	1010	1810	877	973	541	915
Selenium	0.15	0.28U	0.28U	0.28U	0.28U	0.27U	0.27U
Silver	0.57U	0.55U	0.56U	0.56U	0.56U	0.54U	0.53U
Sodium	105	117	173	223	220	156	155
Thallium	0.11U	0.11U	0.11U	0.11U	0.11U	0.11U	0.12
Vanadium	17.0	10.4	13.3	12.4	13.3	8.3	8.3
Zinc	23.1	12.9	13.0	11.9	10.9	4.5	5.9
Cyanide, Total	0.57U	0.55U	0.54U	0.54U	0.56U	0.54U	0.53U
Petroleum Hydrocarbons	104	1530	16.7U	16.8U	16.8U	16.2U	17.3
	(%)						
Solids, Total	88.2	90.2	89.6	89.5	89.1	92.7	93.9

J - Indicates an estimated value.
B - Analyte found in blank as well as in sample.
U - Not Detected (Preceding value is the Method Detection Limit).

Table 5-14
Summary of Field Immunossay Screening Data
For Total Petroleum Hydrocarbons
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Boring Number	Depth Interval (feet)	Sample Identification Number	Concentration (mg/kg)
SB01	3-4	CANFTA4-SB01-0403	>10 (Detect)
	19-20	CANFTA4-SB01-0419	>10 (Detect)
	29-30	CANFTA4-SB01-0429	>10 (Detect)
	38-40	CANFTA4-SB01-0438	>10 (Detect)
	42-43	CANFTA4-SB01-0442	>10 (Detect)
	55-56	CANFTA4-SB01-0455	>10 (Detect)
	65-66	CANFTA4-SB01-0465	>10 (Detect)
	73-74	CANFTA4-SB01-0473	<10 (Non-Detect)
	80-81	CANFTA4-SB01-0480	<10 (Non-Detect)
SB02	9-10	CANFTA4-SB02-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB02-0419	<10 (Non-Detect)
SB03	9-10	CANFTA4-SB03-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB03-0419	<10 (Non-Detect)
SB04	9-10	CANFTA4-SB04-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB04-0419	<10 (Non-Detect)
SB05	9-10	CANFTA4-SB05-0409	<10 (Non-Detect)
	12-13	CANFTA4-SB05-0412	<10 (Non-Detect)

Table 5-14 (continued)
Summary of Field Immunoassay Screening Data
For Total Petroleum Hydrocarbons
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

SB06	7-8	CANFTA4-SB06-0407	<10 (Non-Detect)
	17-18	CANFTA4-SB06-0417	<10 (Non-Detect)
SB07	9-10	CANFTA4-SB07-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB07-0419	<10 (Non-Detect)
SB08	3-4	CANFTA4-SB08-0403	<10 (Non-Detect)
	10-11	CANFTA4-SB08-0410	<10 (Non-Detect)
SB09	2-3	CANFTA4-SB09-0402	<10 (Non-Detect)
	15-16	CANFTA4-SB09-0415	<10 (Non-Detect)
SB10	6-7	CANFTA4-SB10-0406	<10 (Non-Detect)
	10-11	CANFTA4-SB10-0410	<10 (Non-Detect)
SB11	7-8	CANFTA4-SB11-0407	<10 (Non-Detect)
	17-18	CANFTA4-SB11-0417	<10 (Non-Detect)
SB12	2-3	CANFTA4-SB12-0402	<10 (Non-Detect)
	10-11	CANFTA4-SB12-0410	>10 (Detect)
	21-22	CANFTA4-SB12-0421	<10 (Non-Detect)
	30-31	CANFTA4-SB12-0430	<10 (Non-Detect)
SB13	4-5	CANFTA4-SB13-0404	<10 (Non-Detect)
	13-15	CANFTA4-SB13-0413	<10 (Non-Detect)

Table 5-14 (continued)
Summary of Field Immunoassay Screening Data
For Total Petroleum Hydrocarbons
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

SB14	2-3	CANFTA4-SB14-0402	<10 (Non-Detect)
	15-16	CANFTA4-SB14-0415	<10 (Non-Detect)
SB15	9-10	CANFTA4-SB15-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB15-0419	<10 (Non-Detect)
SB16	4-5	CANFTA4-SB16-0404	<10 (Non-Detect)
	10-11	CANFTA4-SB16-0410	<10 (Non-Detect)
SB17	9-10	CANFTA4-SB17-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB17-0419	<10 (Non-Detect)
	29-30	CANFTA4-SB17-0429	<10 (Non-Detect)
	39-40	CANFTA4-SB17-0439	<10 (Non-Detect)
	45-46	CANFTA4-SB17-0445	<10 (Non-Detect)
	59-60	CANFTA4-SB17-0459	<10 (Non-Detect)
SB18	9-10	CANFTA4-SB18-0409	<10 (Non-Detect)
	19-20	CANFTA4-SB18-0419	<10 (Non-Detect)
	24-25	CANFTA4-SB18-0424	<10 (Non-Detect)
	33-34	CANFTA4-SB18-0433	<10 (Non-Detect)
	43-44	CANFTA4-SB18-0443	<10 (Non-Detect)
	56-57	CANFTA4-SB18-0456	<10 (Non-Detect)

Table 5-14 (continued)
Summary of Field Immunoassay Screening Data
For Total Petroleum Hydrocarbons
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

SB19	4-5	CANFTA4-SB18-0404	<10 (Non-Detect)
	17-18	CANFTA4-SB18-0417	<10 (Non-Detect)
	29-30	CANFTA4-SB18-0429	<10 (Non-Detect)
	33-34	CANFTA4-SB18-0433	<10 (Non-Detect)
	45-46	CANFTA4-SB18-0445	<10 (Non-Detect)
	59-60	CANFTA4-SB18-0459	<10 (Non-Detect)

Table 5-15
Background Concentrations of Naturally Occurring Chemical Constituents in Soil at Cannon AFB Fire Training Area No. 4 Cannon Air Force Base, New Mexico

Element	Cannon AFB Background Concentration (1) (mg/kg)		Level Observed in the Vicinity of Clovis, NM (2) (mg/kg)
	Estimated Range	Mean	
Aluminum	593 - 10796	5694	50000
Antimony	0- 29.6	6.2	< 1
Arsenic	0-10.5	1.9	6.5
Barium	0-548	123	500
Beryllium	0-0.6	0.2	1 - 2
Cadmium	0-2.1	0.5	--- (3)
Calcium	0-166119	46891	7900 - 18000
Chromium	0.8-12.0	6.4	30
Cobalt	0-4.0	1.3	3 - 7
Copper	0-10.1	2.9	20
Iron	0-8654	3953	100 - 15000
Lead	0-18.4	3.9	15
Magnesium	0-9912	3100	2000 - 5000
Manganese	0-151.8	60.4	500
Mercury	0-0.2	0.1	0.032 - 0.082
Nickel	0-9.7	3.1	15
Potassium	0-2531	1061	16000
Selenium	0-36.8	3.7	0.15 - 0.30
Silver	0-1.8	0.5	--- (3)
Sodium	0-834	234	7000
Thallium	0-6.2	1.2	--- (3)
Vanadium	1.7-25.0	13.3	30 - 70
Zinc	0-20.7	7.7	45

1. Statistical summary of background elemental concentrations (1) from surface and subsurface soil samples collected by WCC (1991), Radian Corporation (1988), and Walk, Haydel, and Associates (1985). The estimated range (i.e. the 95% tolerance limits of background concentrations) was calculated as (+) or (-) two standard deviations from the mean (but not less than zero). The mean values were calculated from a set of values which may have included method reporting limits for non-detect results. The actual mean background concentrations may be less than these values.
2. Concentrations are provided from USGS 1984 data for samples collected in the vicinity of Clovis, NM. Some of the analytical test methods are no longer used (i.e., EDTA for calcium, calorimetric for zinc, flame photometry for potassium, X-ray fluorescence spectrometry for calcium, iron, potassium, selenium, silver). Cautions should be used when interpreting these data are the concentration detected in the one sample.
3. No concentration value given for this element.

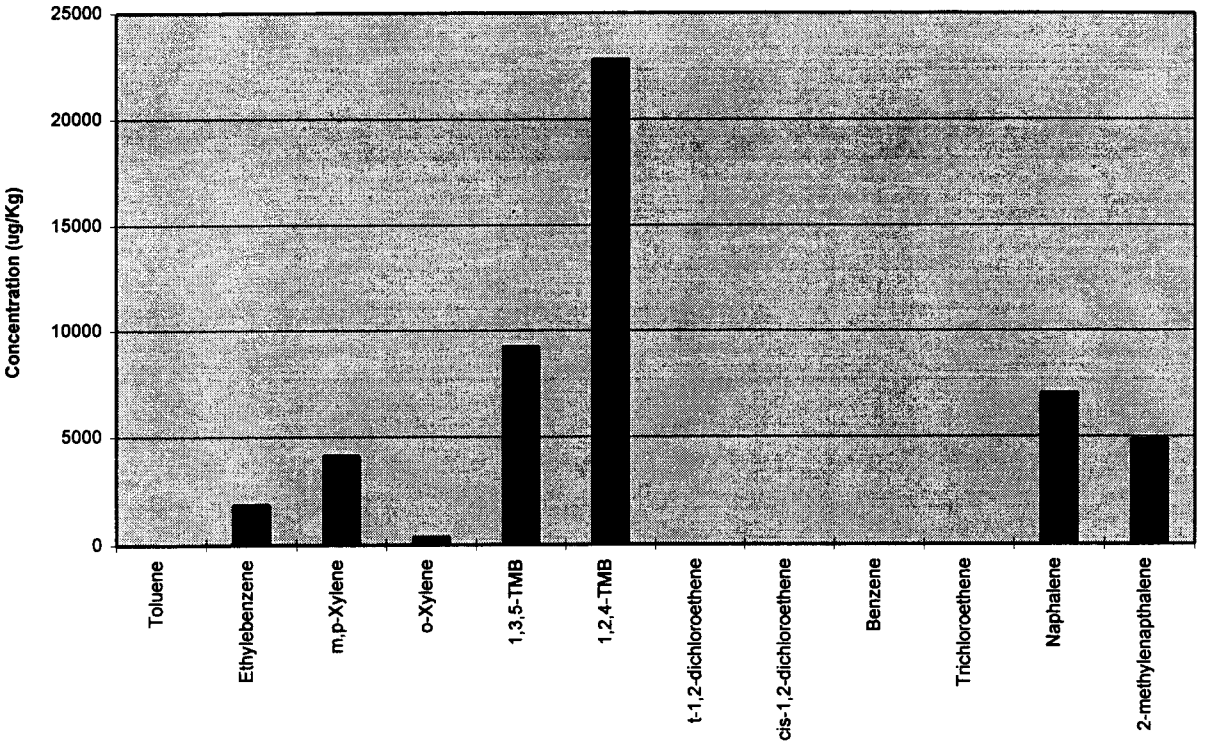
Table 5-16
Comparison of Soil Analytical Results for TPH from the Fixed Lab and the Field Immunoassay Screening (mg/kg) for Soil Boring SB01

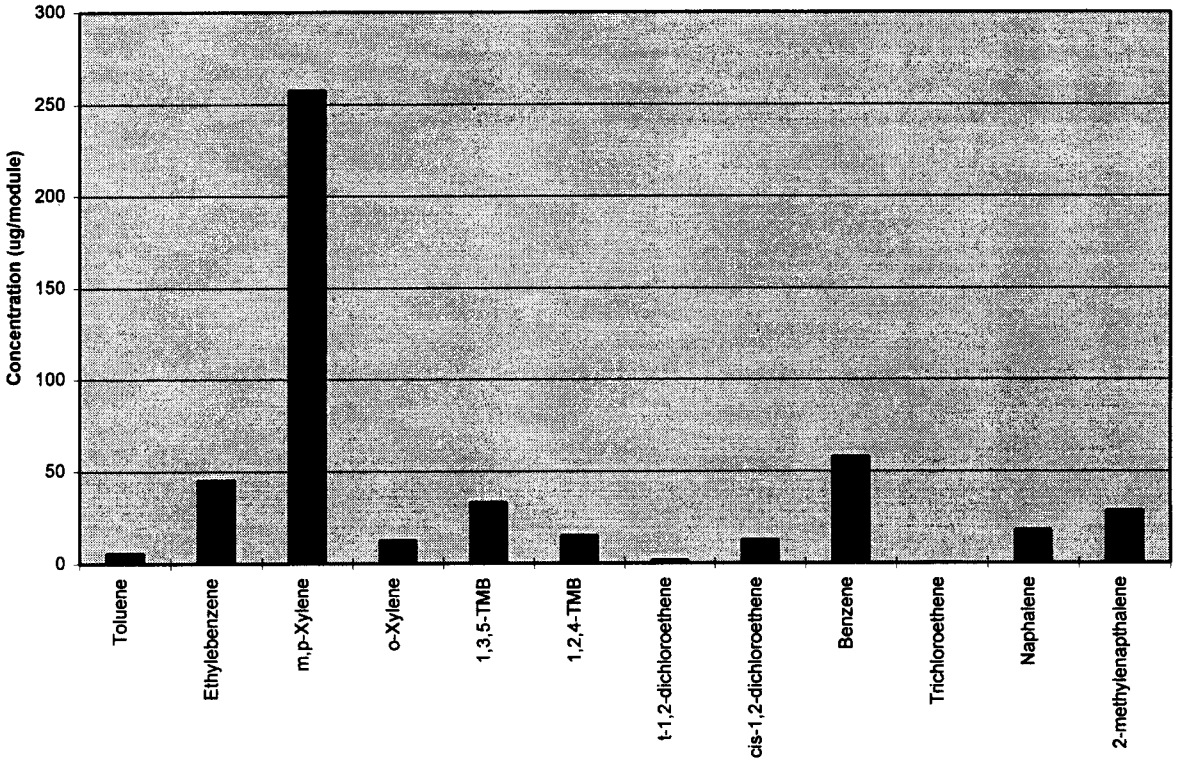
Sample ID	Fixed Lab Result	Immunoassay
SB01-0103	1940	> 10
SB01-0119	5560	> 10
SB01-0127	5120	> 10
SB01-0138	1600	> 10
SB01-0142	1990	> 10
SB01-0155	63.2	> 10
SB01-0165	141	> 10
SB01-0173	16.1	< 10
SB01-0180	17.6	< 10
SB02-0109	27.8	< 10
SB02-0119	< 16.7	< 10
SB03-0109	< 16.9	< 10
SB03-0119	< 16.9	< 10
SB04-0109	139	? < 10
SB04-0119	< 17.2	< 10
SB05-0109	< 16.0	< 10
SB05-0112	< 16.3	< 10
SB06-0107	44.2	< 10
SB06-0117	< 16.5	< 10
SB07-0109	18.5	< 10
SB07-0119	< 16.8	< 10
SB08-0103	< 16.7	< 10
SB08-0110	16.1	< 10
SB09-0102	< 15.9	< 10
SB09-0115	< 16.5	< 10
SB10-0106	< 16.7	< 10
SB10-0110	38.6	< 10
SB11-0107	< 16.9	< 10
SB11-0117	16.8	< 10
SB12-0102	34.4	< 10
SB12-0110	77.5	> 10
SB12-0121	16.9	< 10
SB12-0130	21.5	< 10
SB13-0104	< 15.8	< 10
SB13-0115	< 16.2	< 10
SB14-0102	17.6	< 10
SB14-0115	17.9	< 10
SB15-0109	< 16.8	< 10

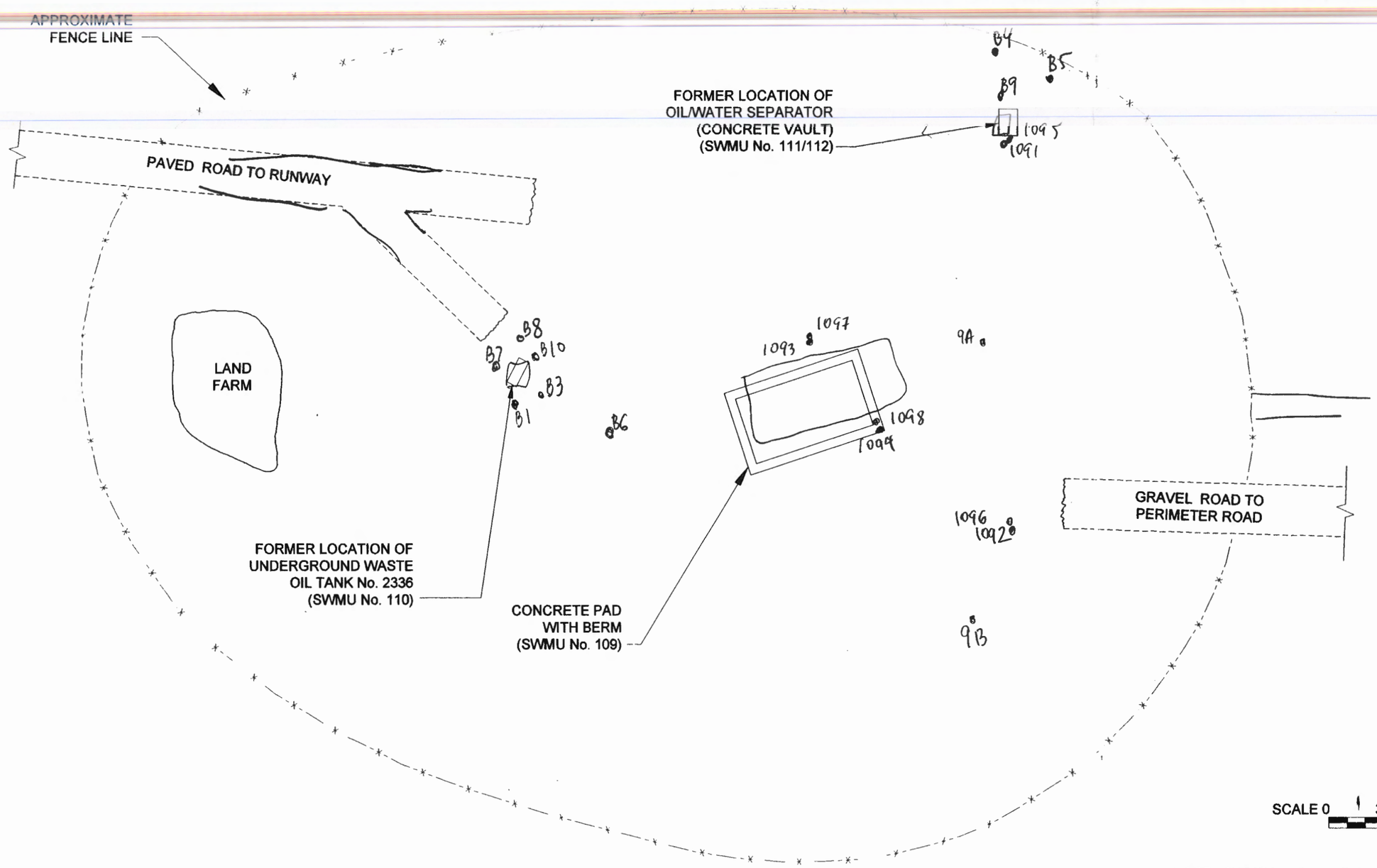
Table 5-16 (continued)
Comparison of Soil Analytical Results for TPH from the Fixed Lab and the Field Immunoassay Screening (mg/kg) for Soil Boring SB01

Sample ID	Fixed Lab Result	Immunoassay
SB15-0119	< 16.9	< 10
SB16-0104	216	?IIII < 10
SB16-0110	82.8	?II < 10
SB17-0109	20.4	II < 10
SB17-0119	18.0	I < 10
SB17-0129	18.0	I < 10
SB17-0139	19.0	I < 10
SB17-0145	37.8	II < 10
SB17-0159	270	? < 10
SB18-0109	< 16.9	< 10
SB18-0119	< 16.6	< 10
SB18-0124	< 16.7	< 10
SB18-0133	< 16.4	< 10
SB18-0143	40.4	II < 10
SB18-0159	< 16.1	< 10
SB19-0104	1530	?IIII < 10
SB19-0117	< 16.7	< 10
SB19-0129	< 16.8	< 10
SB19-0133	< 16.8	< 10
SB19-0145	< 16.2	< 10
SB19-0159	< 17.3	< 10

Figure 5-26
Comparison of Soil Gas (bottom) and
Fixed Lab (top) for Organics in Selected Sampling Locations







SCALE 0 30 60 Feet

LEGEND:

Fence

NOTE: SWMU locations are approximated based on available information.

Figure 5-1

SITE FEATURES MAP

FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

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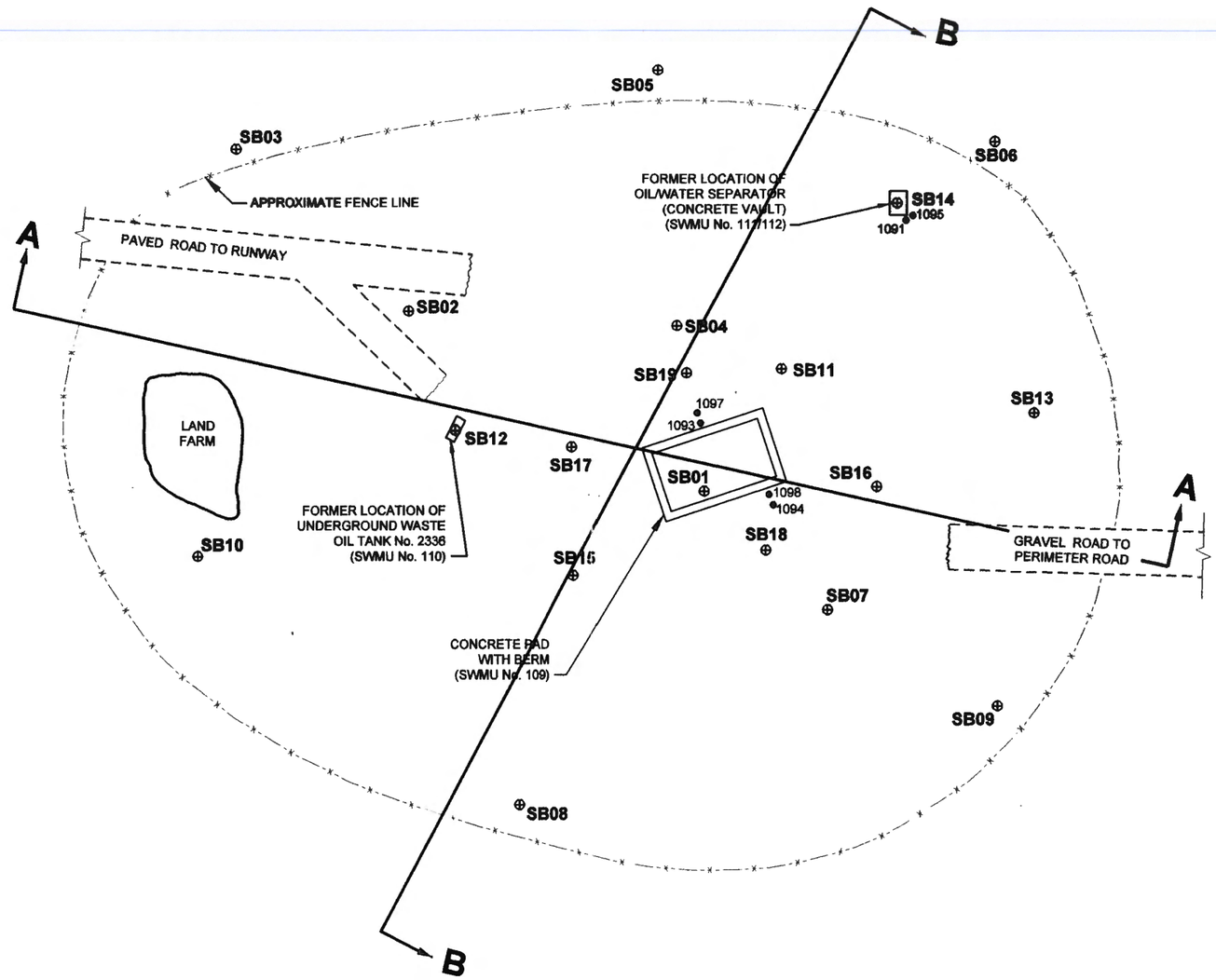


LEGEND:

· × ·	Fence
⊕ SB01	Soil Boring Location (Harza 1997)
● 1094	Soil Boring Location (Woodward-Clyde Consultants 1991)

DRAWING IS NOT TO SCALE

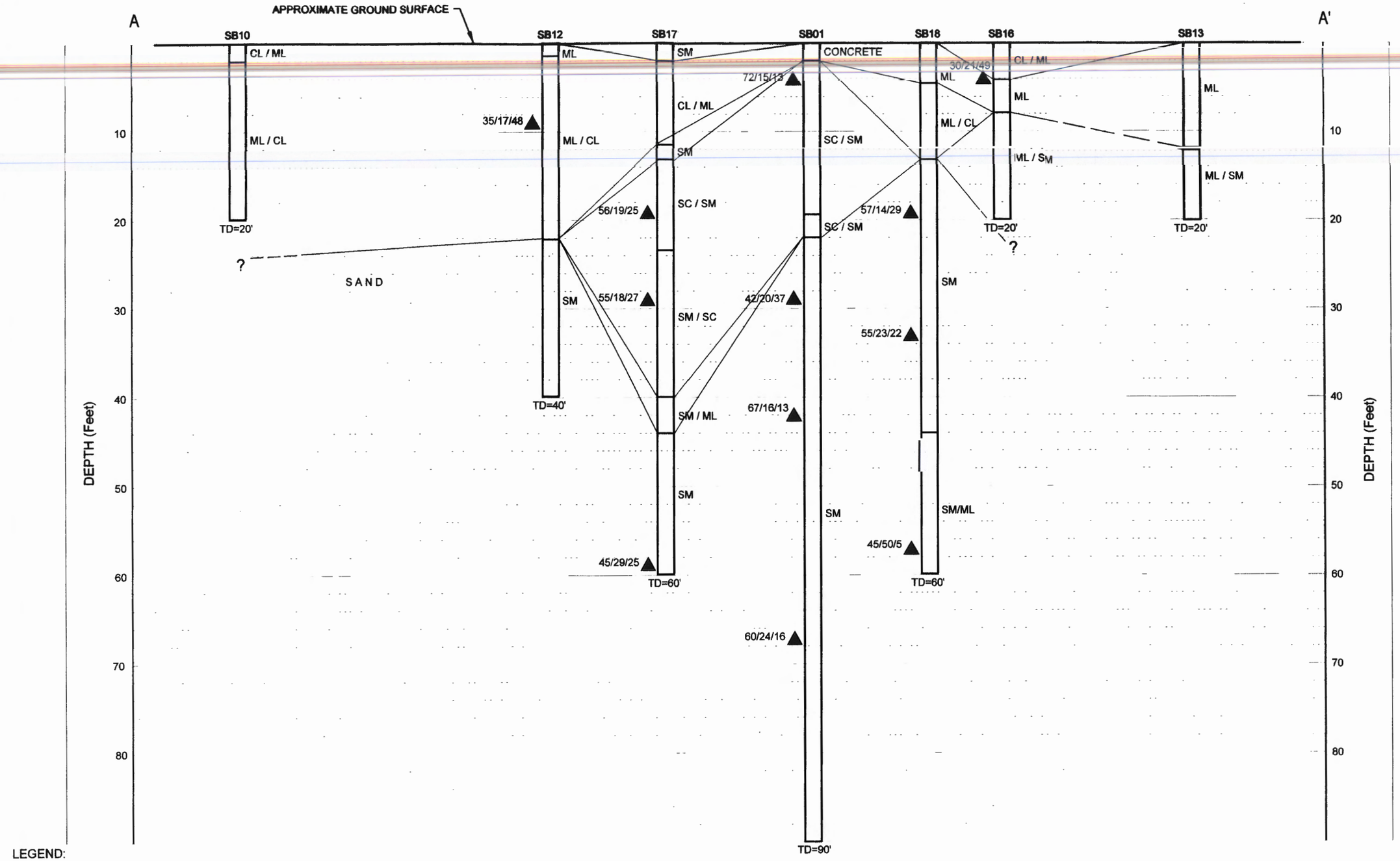
NOTE:
SWMU locations are approximated based on available information.
Includes detected organic compounds and detected inorganic compounds above background concentrations.

Figure 5–2

GEOLOGIC PROFILE (PLAN VIEW)

FIRE TRAINING AREA NO. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

d:\dgn\h0005\hb\Fig5-4.dgn Aug. 29, 1997 08:52:03



LEGEND:

Fence

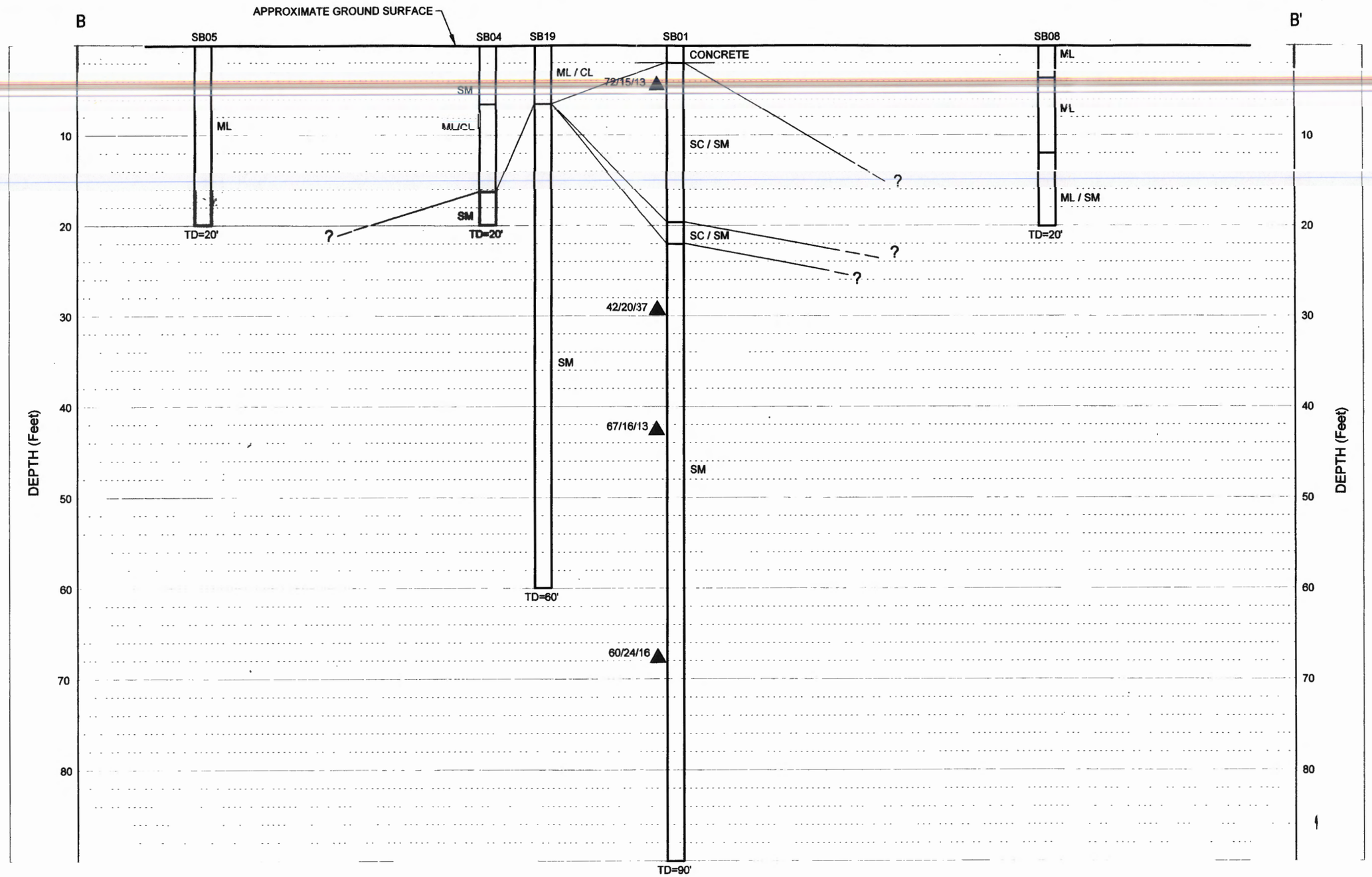
SB01 — Soil Boring Location (Harza 1997)

1094 — Soil Boring Location (Woodward-Clyde Consultants 1991)

Figure 5-3

GEOLOGICAL PROFILE (CROSS SECTION A–A')

FIRE TRAINING AREA NO. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico



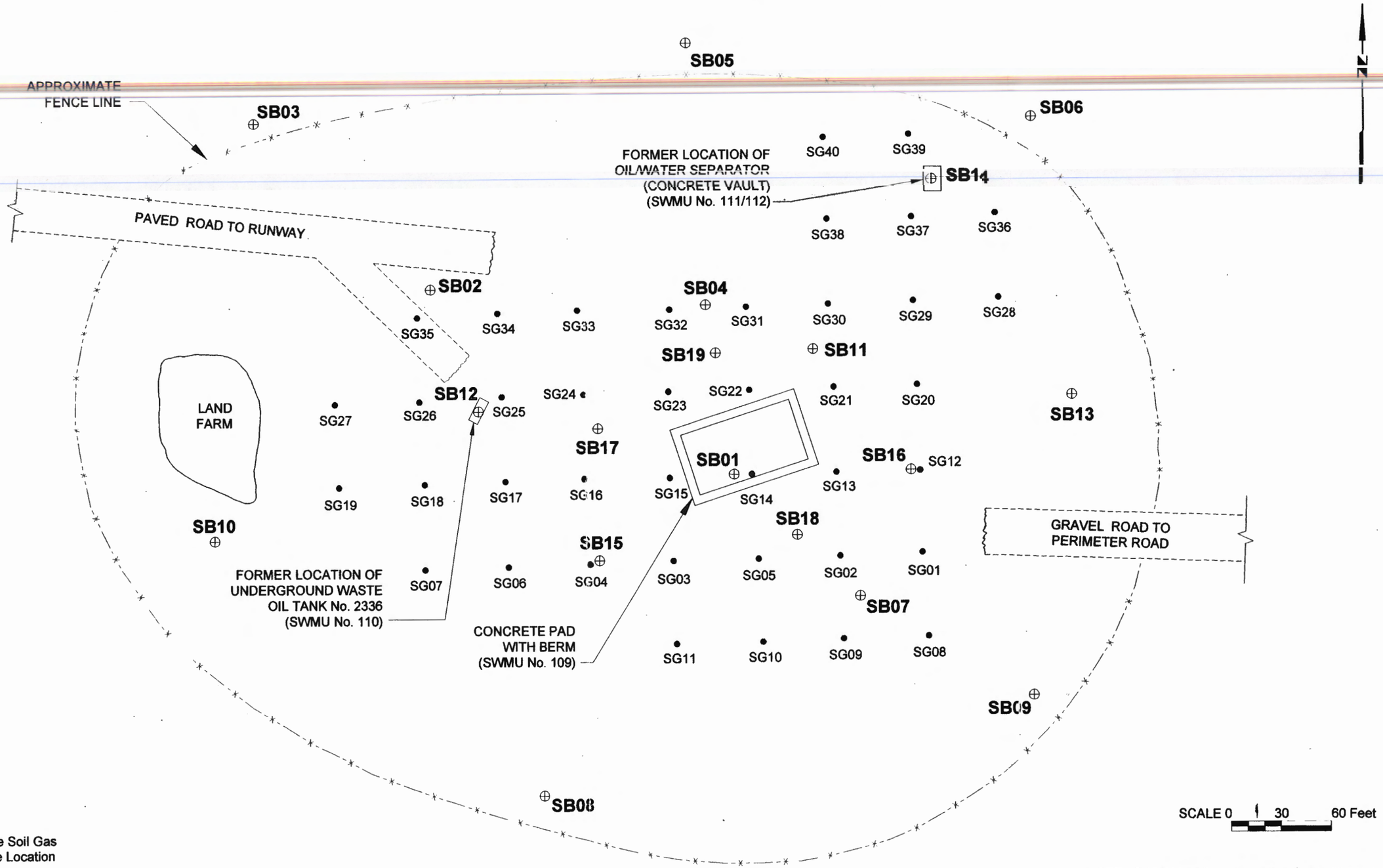
LEGEND:

- Fence
- SB01 — Soil Boring Location (Harza 1997)
- 1094 — Soil Boring Location (Woodward-Clyde Consultants 1991)

Figure 5–4

GEOLOGICAL PROFILE (CROSS SECTION B–B')

FIRE TRAINING AREA NO. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico



LEGEND:

SG01	Passive Soil Gas Sample Location
	Fence
SB01	Soil Boring Location

NOTE: SWMU locations are approximated based on available information.

Figure 5-5

SAMPLE LOCATION PLAN

FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

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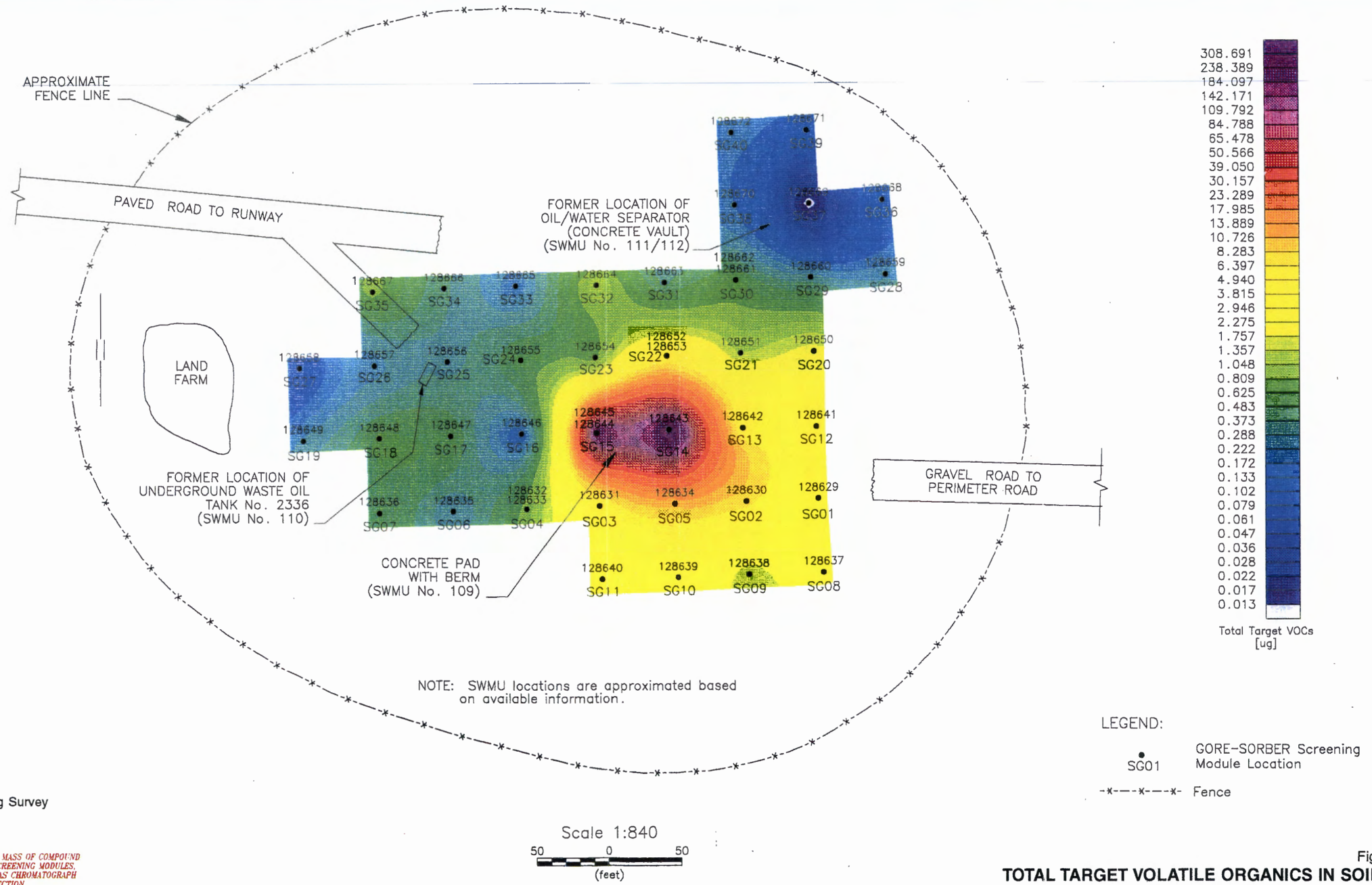

SOURCE:
Gore-Sorber Screening Survey

NOTE: CONTOUR PLOT REPRESENTS MASS OF COMPOUND DESORBED FROM GORE-SORBER SCREENING MODULES, IDENTIFIED AND QUANTIFIED BY GAS CHROMATOGRAPH MASS SELECTIVE DETECTION.

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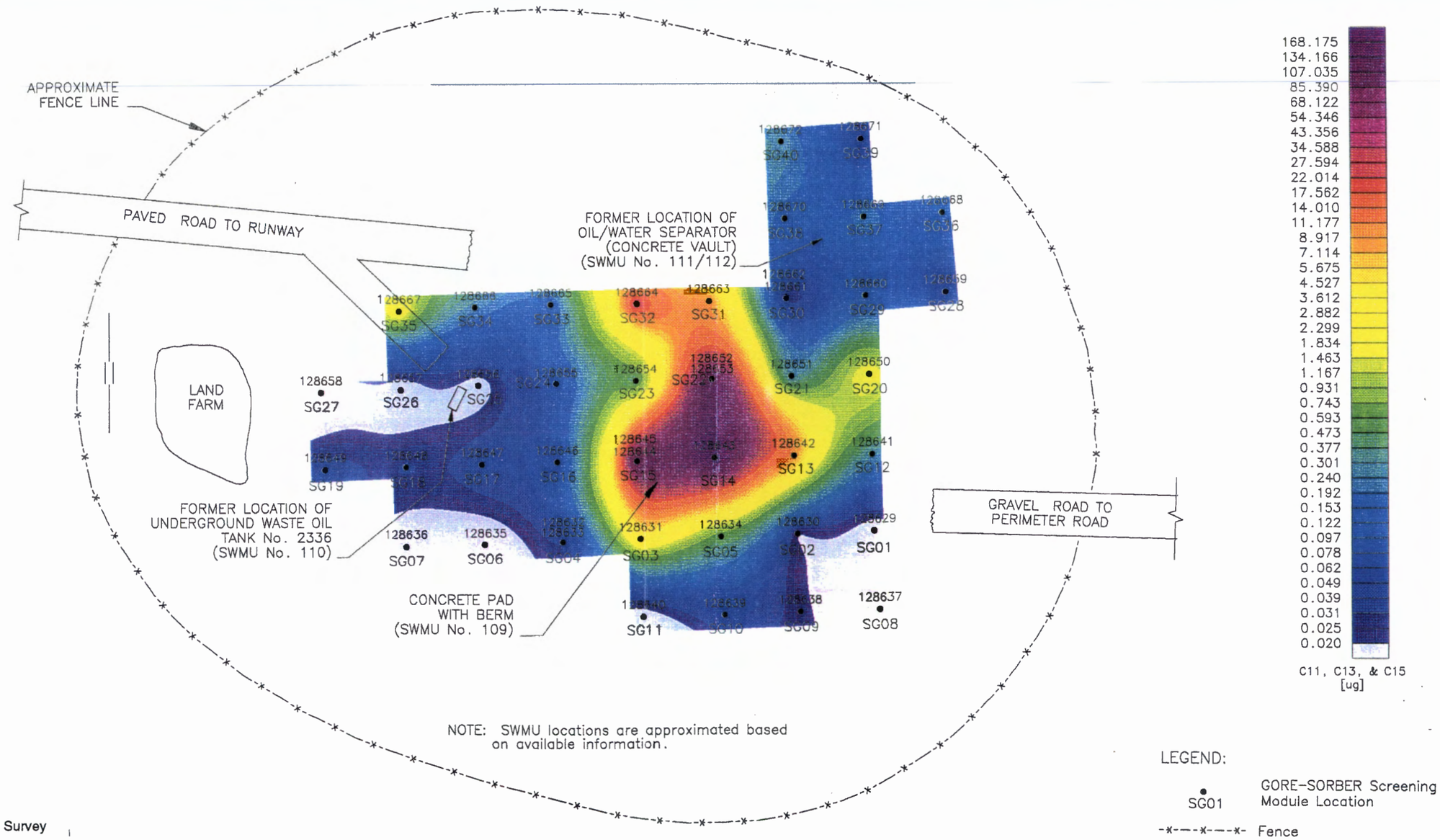
Figure 5-6
TOTAL TARGET VOLATILE ORGANICS IN SOIL GAS
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

g:\proposal\mexico\fig1.pm5



NOTE: SWMU locations are approximated based on available information.

LEGEND:

SG01 GORE-SORBER Screening Module Location

-x---x---x- Fence

SOURCE:
Gore-Sorber Screening Survey

NOTE: CONTOUR PLOT REPRESENTS MASS OF COMPOUND DESORBED FROM GORE-SORBER SCREENING MODULES, IDENTIFIED AND QUANTIFIED BY GAS CHROMATOGRAPH MASS SELECTIVE DETECTION

Scale 1:840

50 0 50

(feet)

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Figure 5-7

TOTAL TARGET DIESEL RANGE ORGANICS IN SOIL GAS

FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

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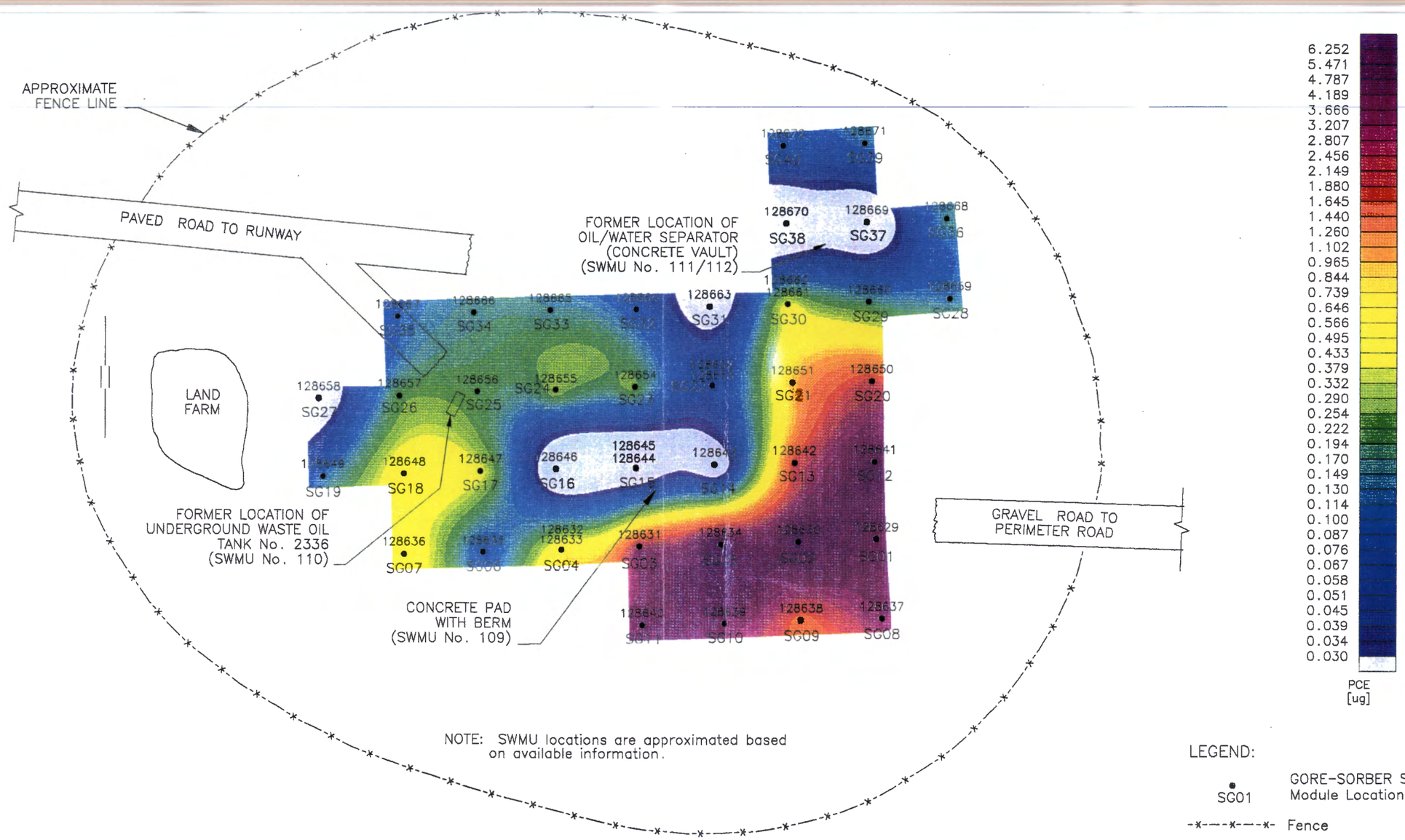

SOURCE:
Gore-Sorber Screening Survey

NOTE: CONTOUR PLOT REPRESENTS MASS OF COMPOUND DESORBED FROM GORE-SORBER SCREENING MODULES, IDENTIFIED AND QUANTIFIED BY GAS CHROMATOGRAPH MASS SELECTIVE DETECTION.

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Figure 5-8
TETRACHLOROETHENE IN SOIL GAS
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

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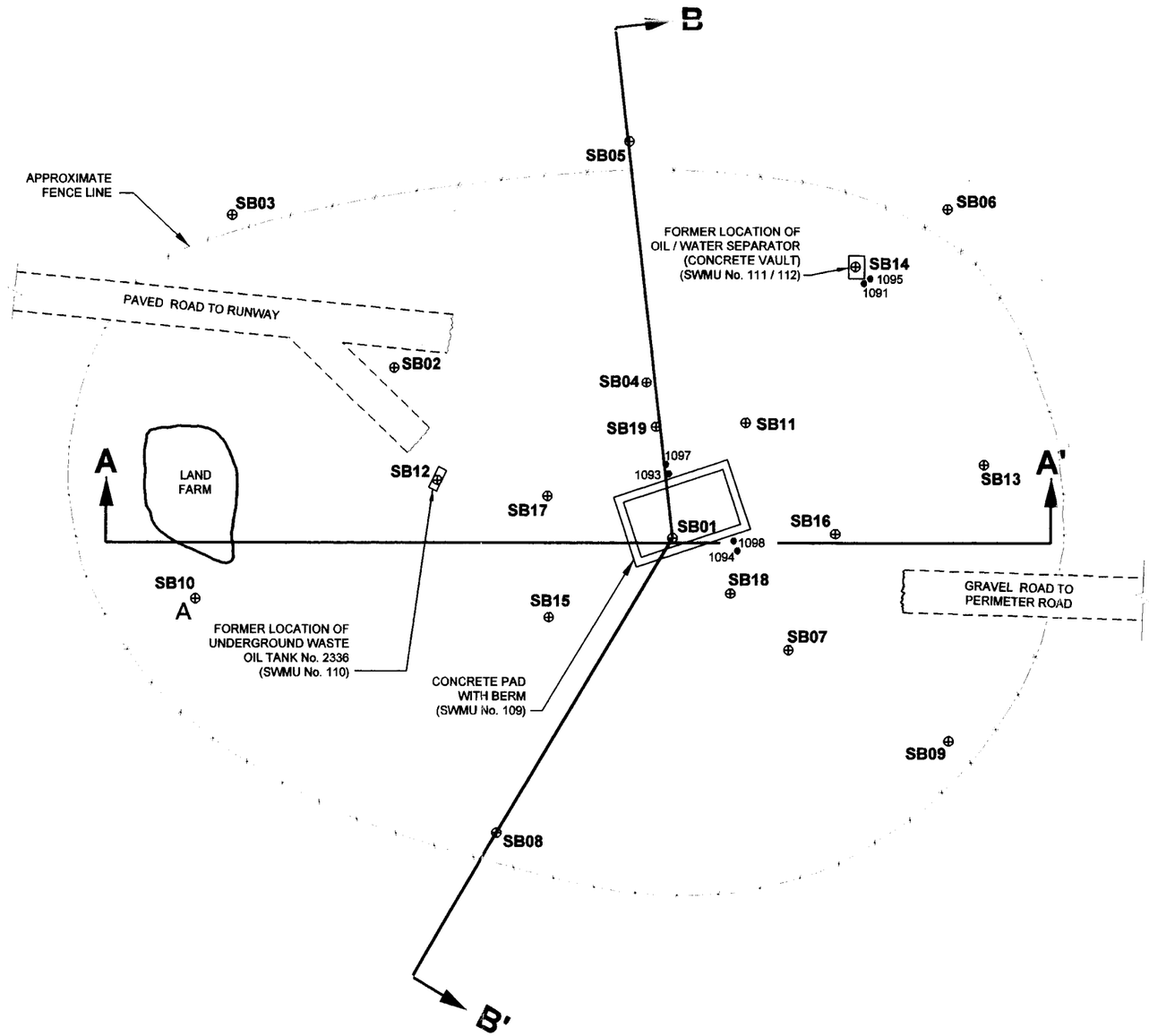


LEGEND:

Fence

SB01 Soil Boring Location (Harza 1997)

1094 Soil Boring Location (Woodward-Clyde Consultants 1991)

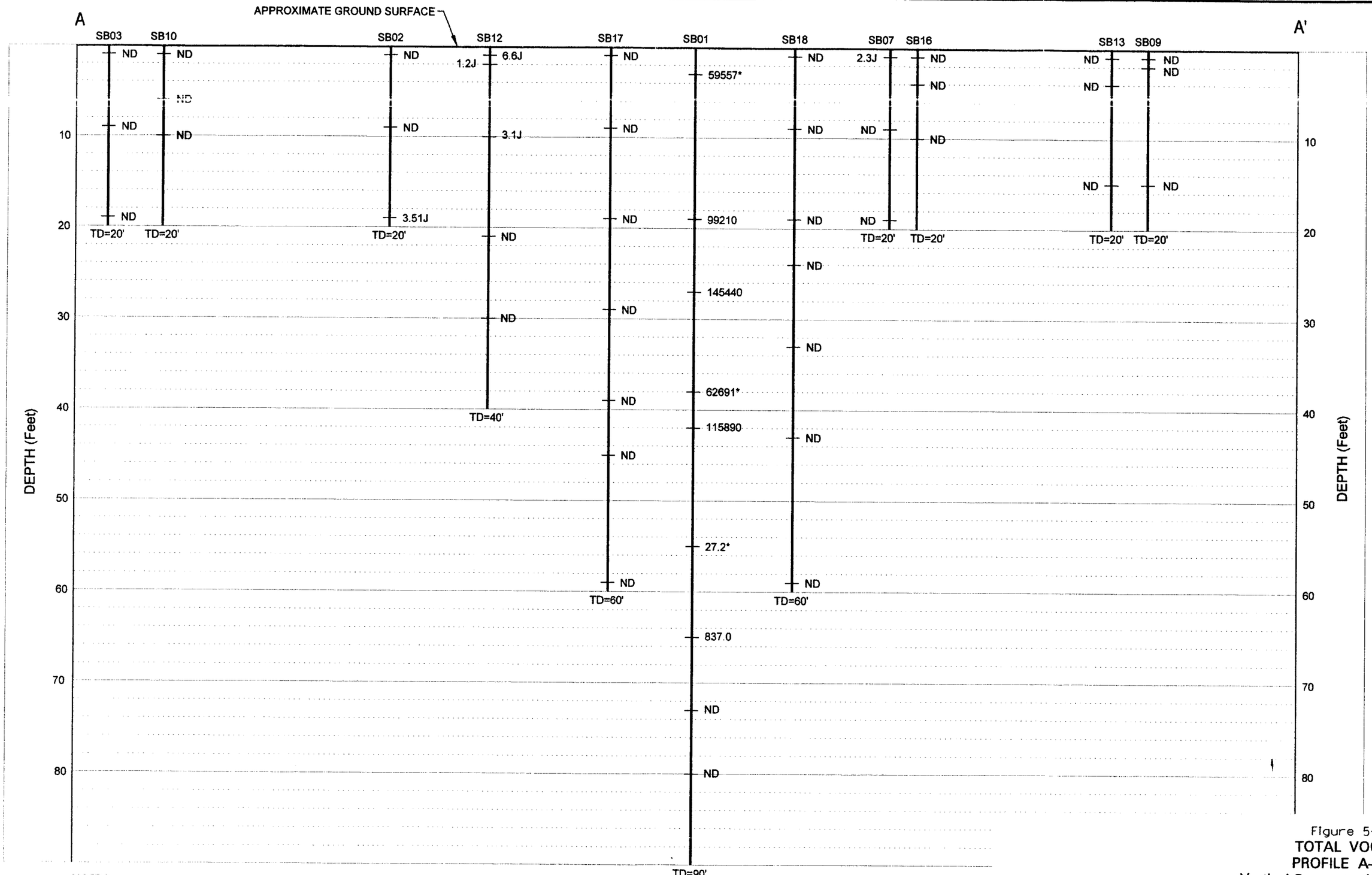
DRAWING IS NOT TO SCALE

NOTE:
SWMU locations are approximated based on available information.
Includes detected organic compounds and detected inorganic compounds above background concentrations.

Figure 5-9

LOCATION OF CONTAMINANT CONCENTRATION PROFILES (PLAN VIEW)

FIRE TRAINING AREA NO. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-10

TOTAL VOCs

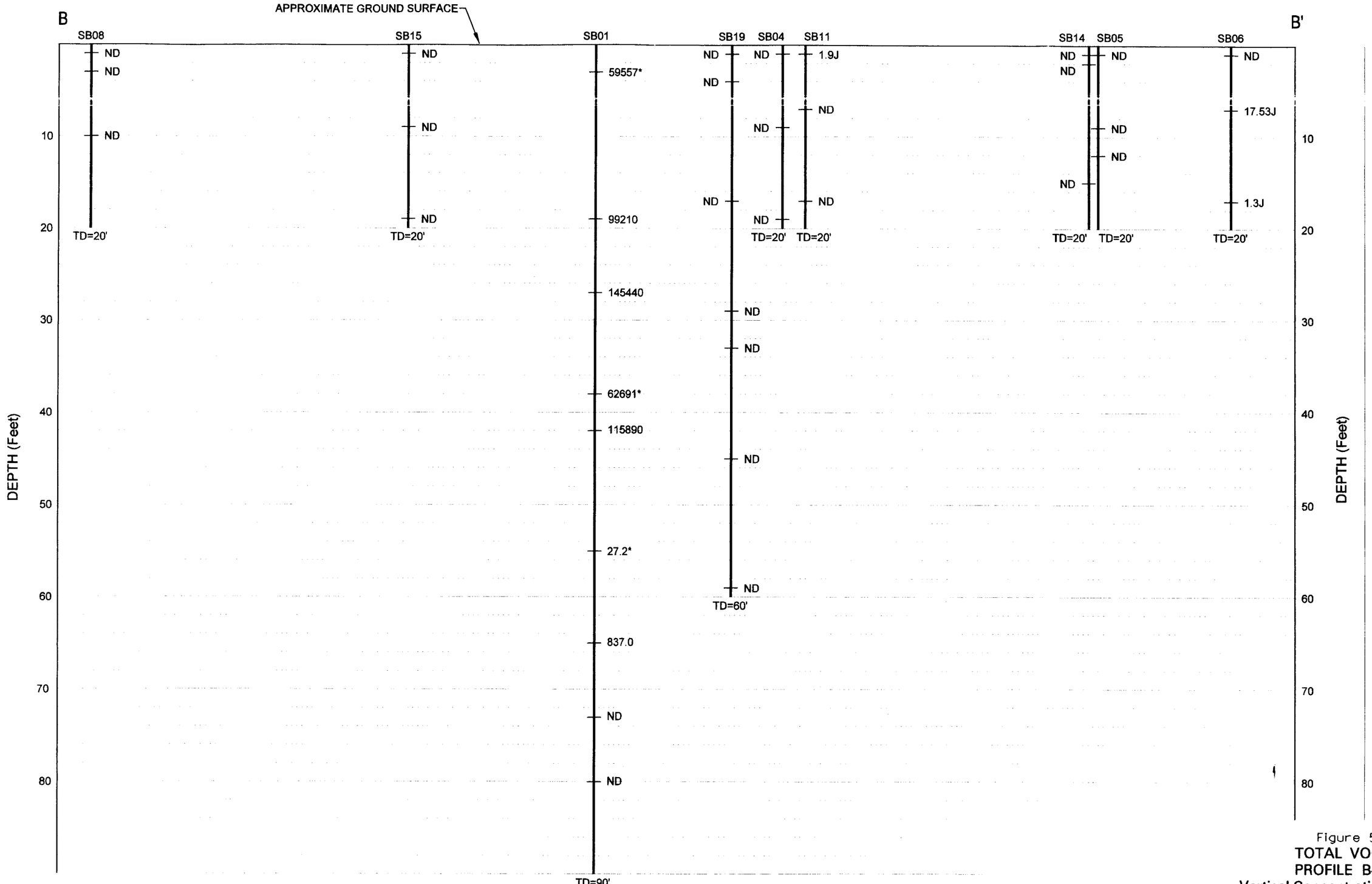
PROFILE A–A

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-11

TOTAL VOCs

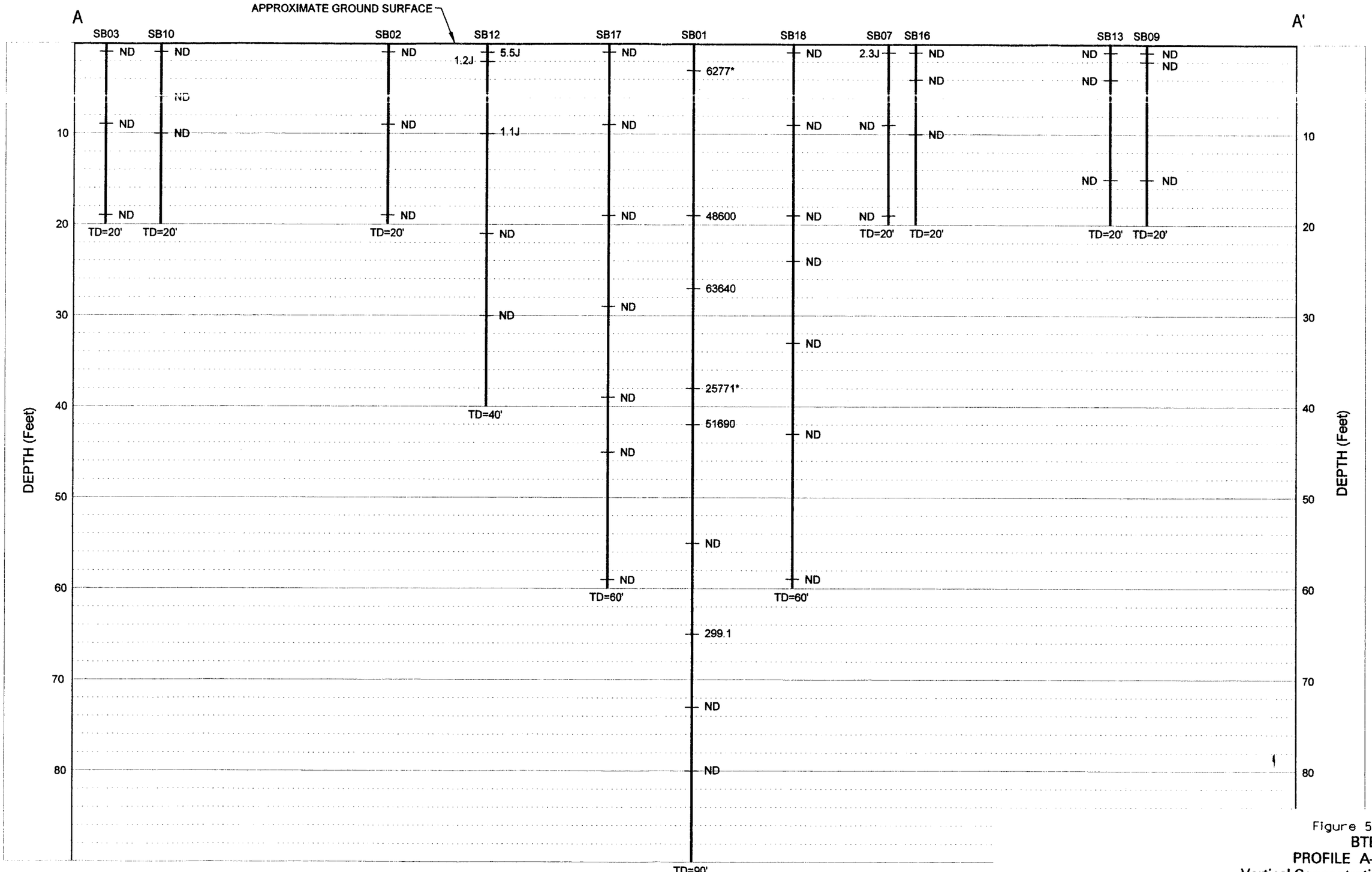
PROFILE B–B

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-12

BTEX

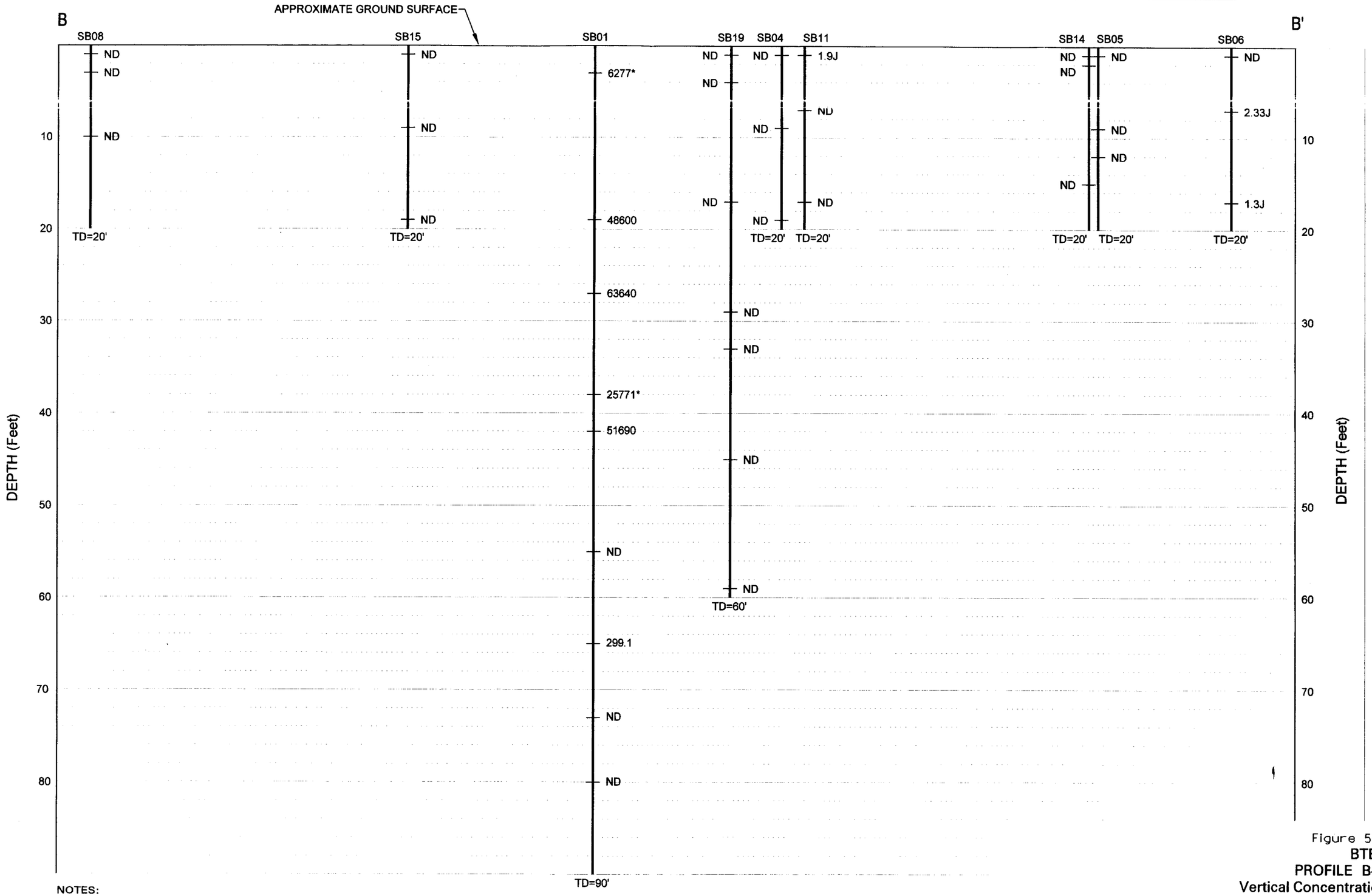
PROFILE A–A

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-13

BTEX

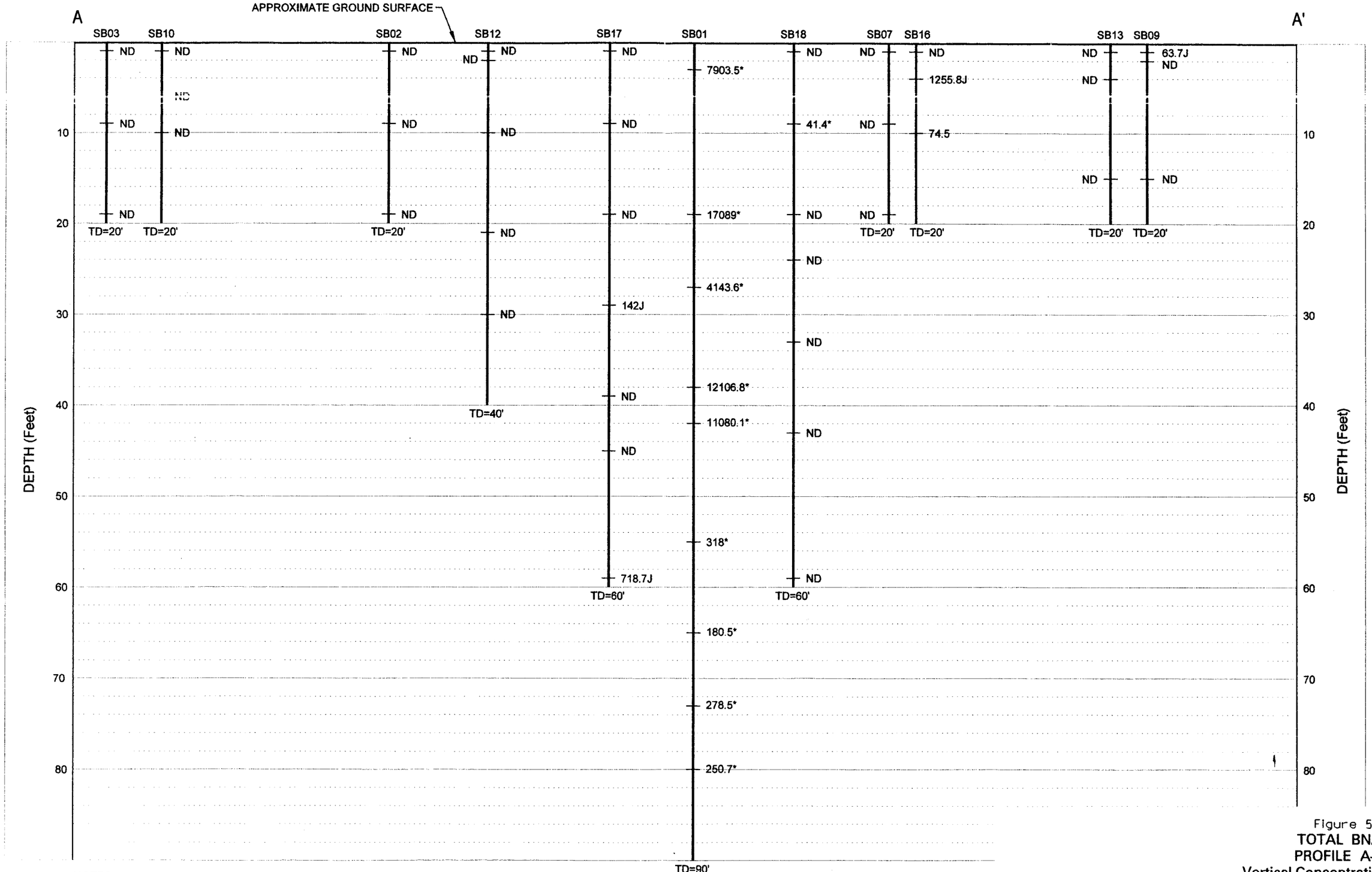
PROFILE B–B

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-14

TOTAL BNAs

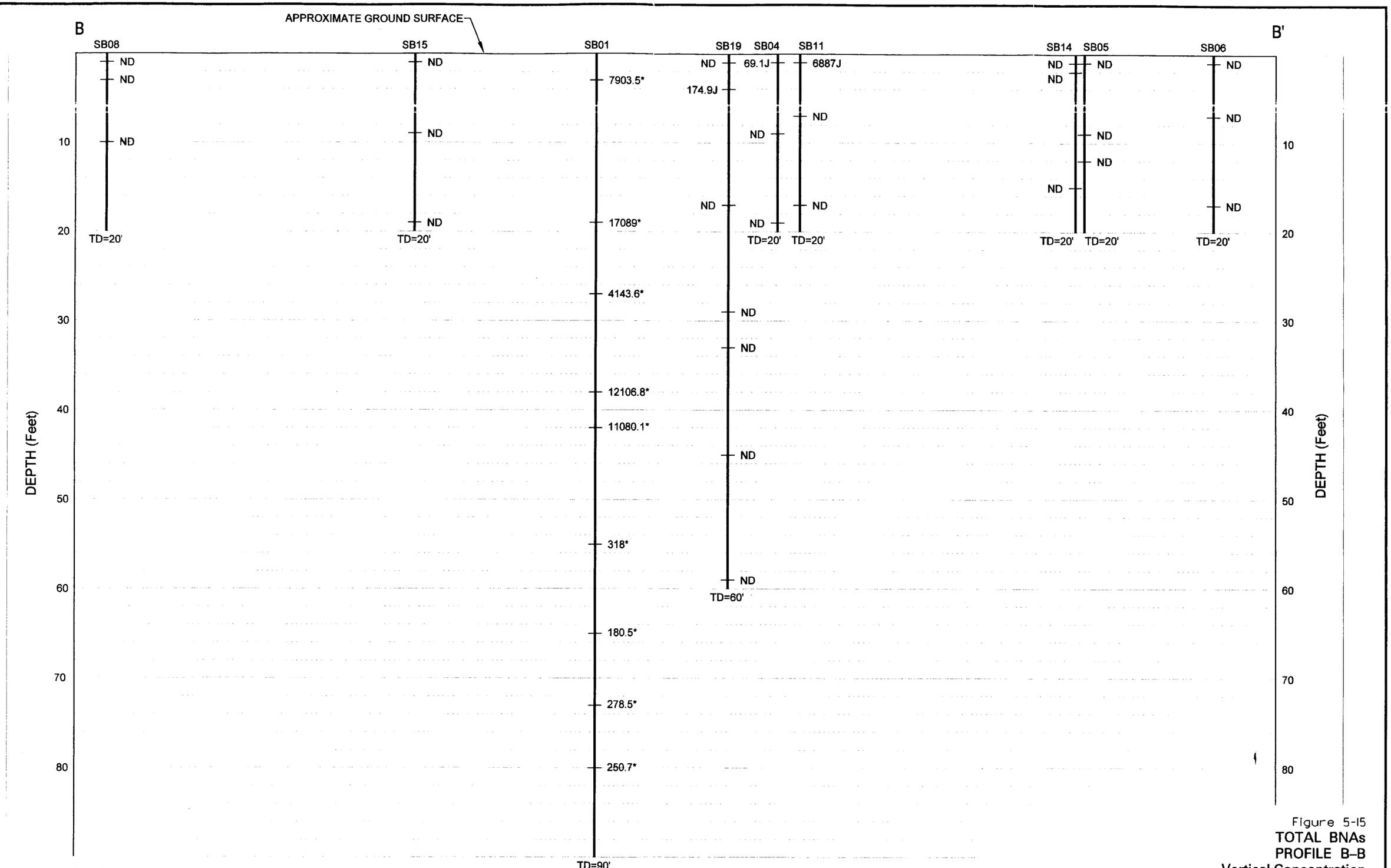
PROFILE A–A

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are ug/kg

* = includes one or more values with a J qualifier

Figure 5-15

TOTAL BNAs

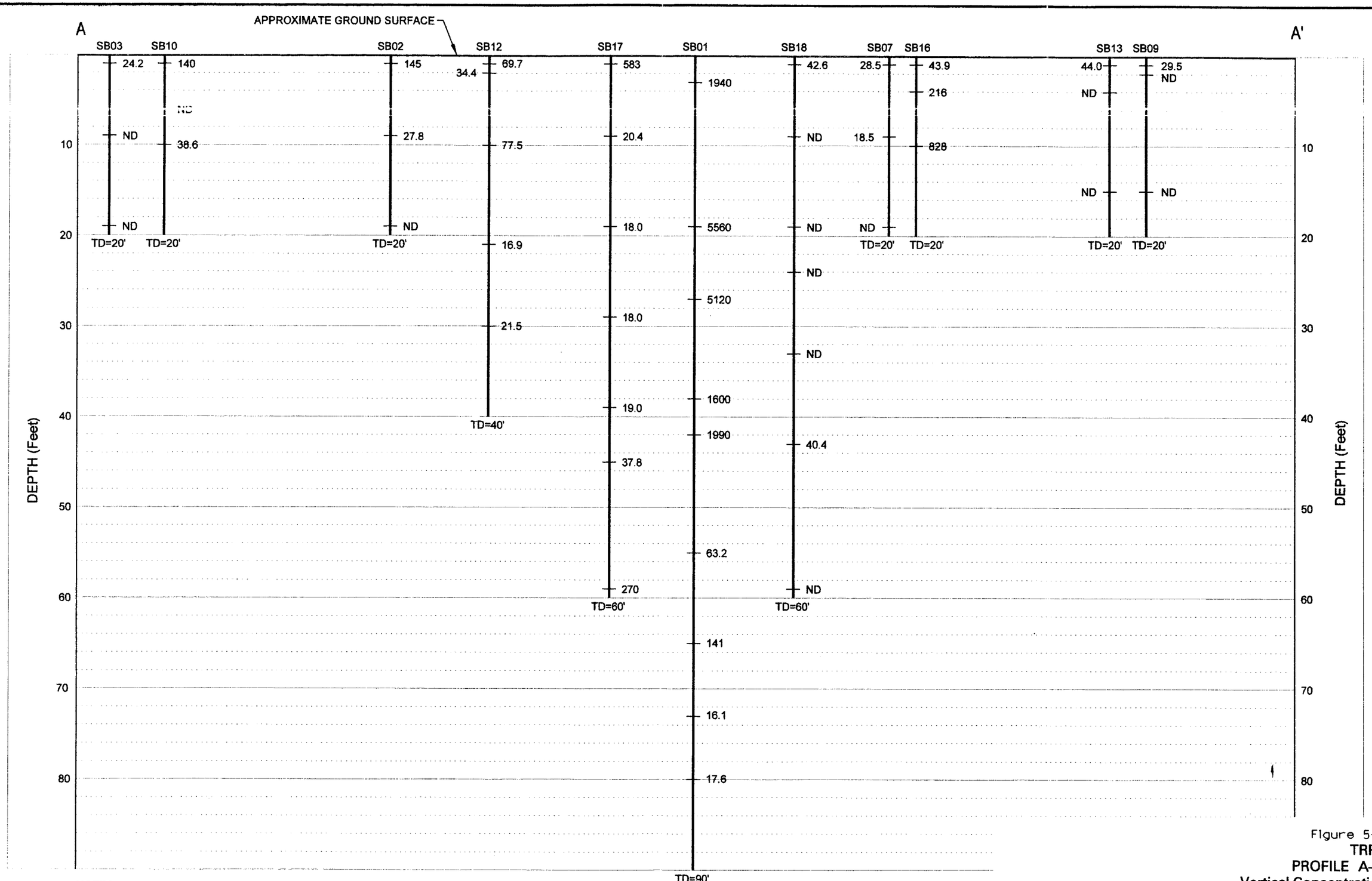
PROFILE B–B

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-16

TRPH

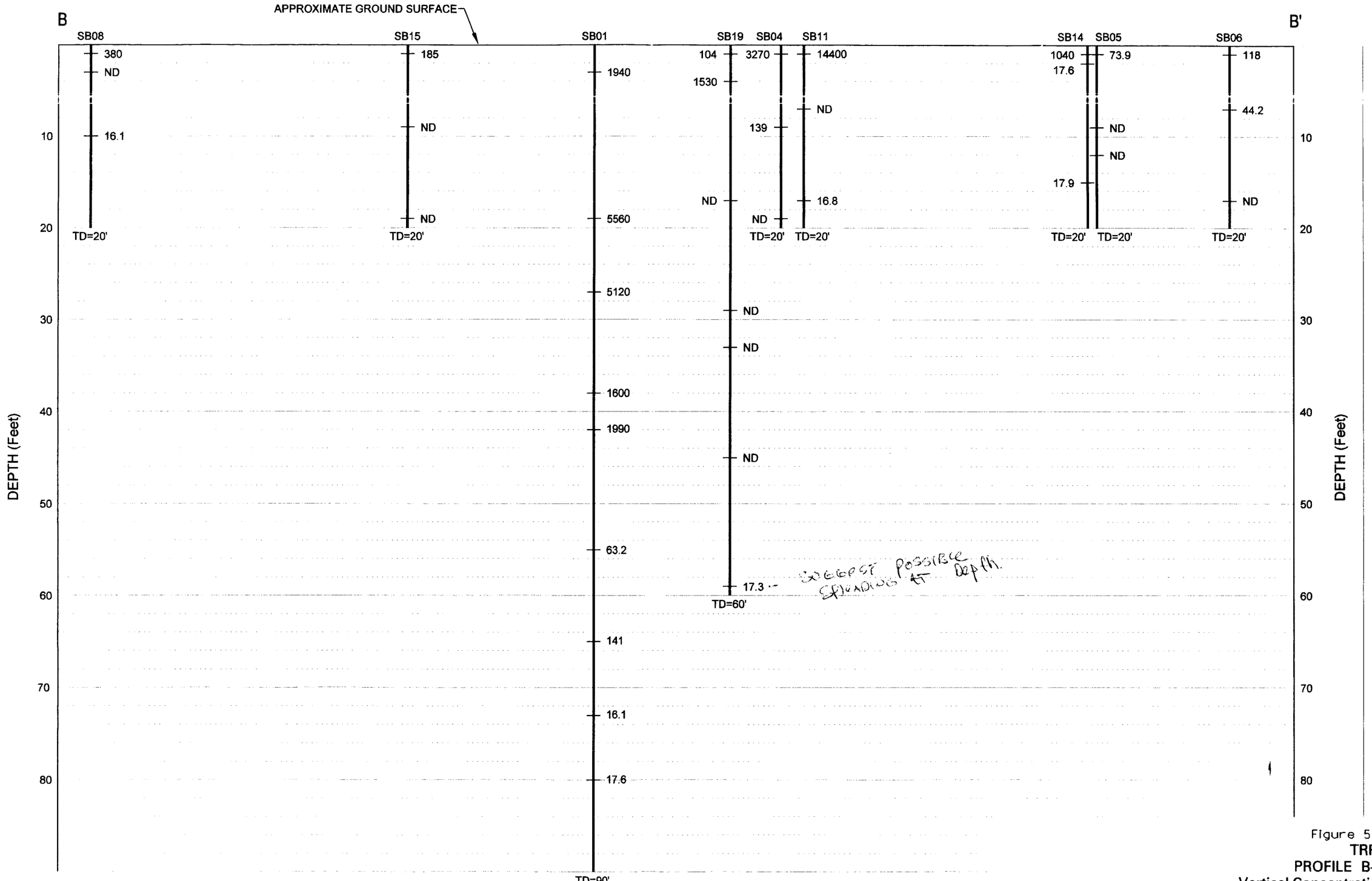
PROFILE A–A

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico



NOTES:

ND = Not Detected

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-17

TRPH

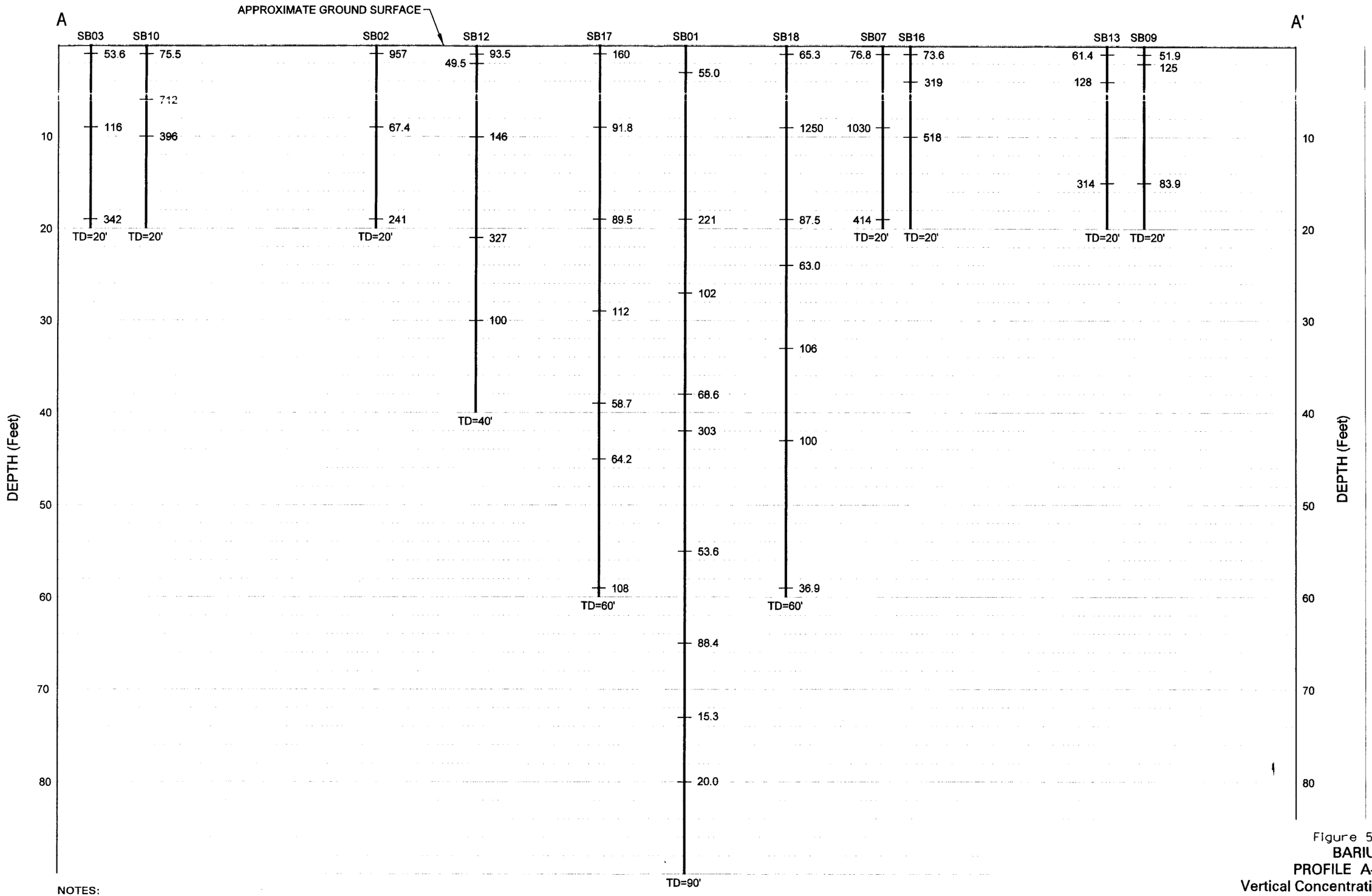
PROFILE B–B

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

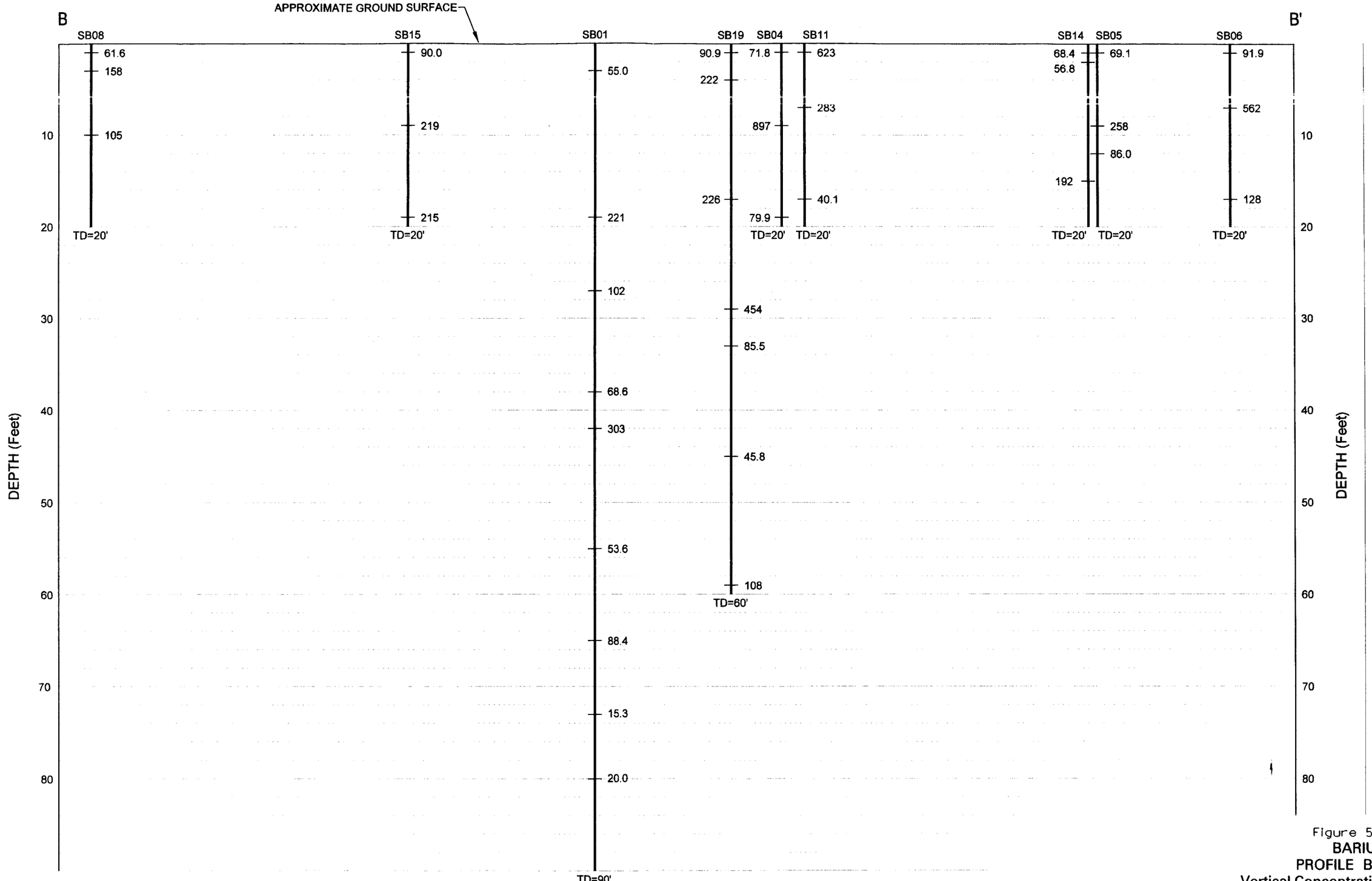


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-18
BARIUM
PROFILE A–A
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

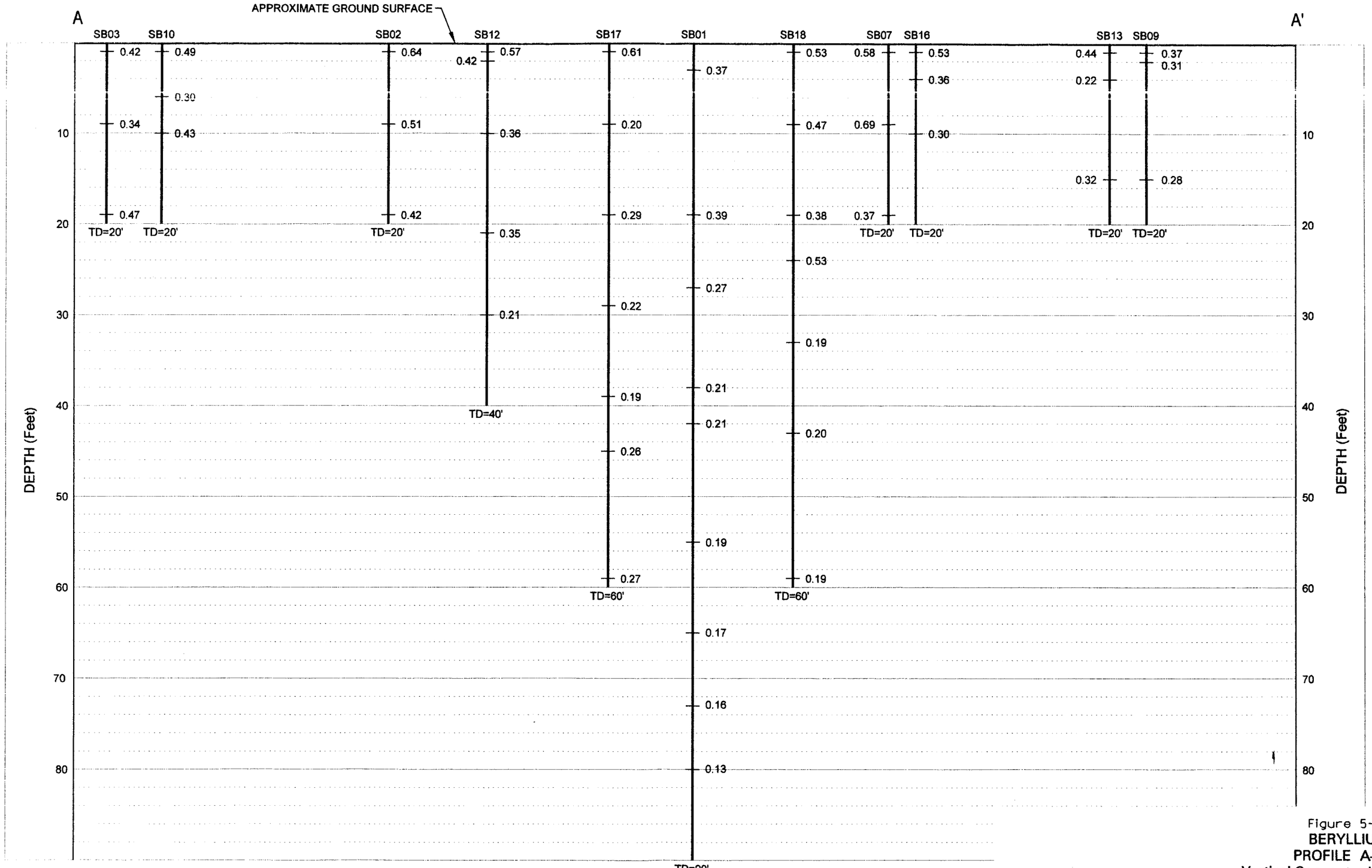


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-19
BARIUM
PROFILE B–B
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

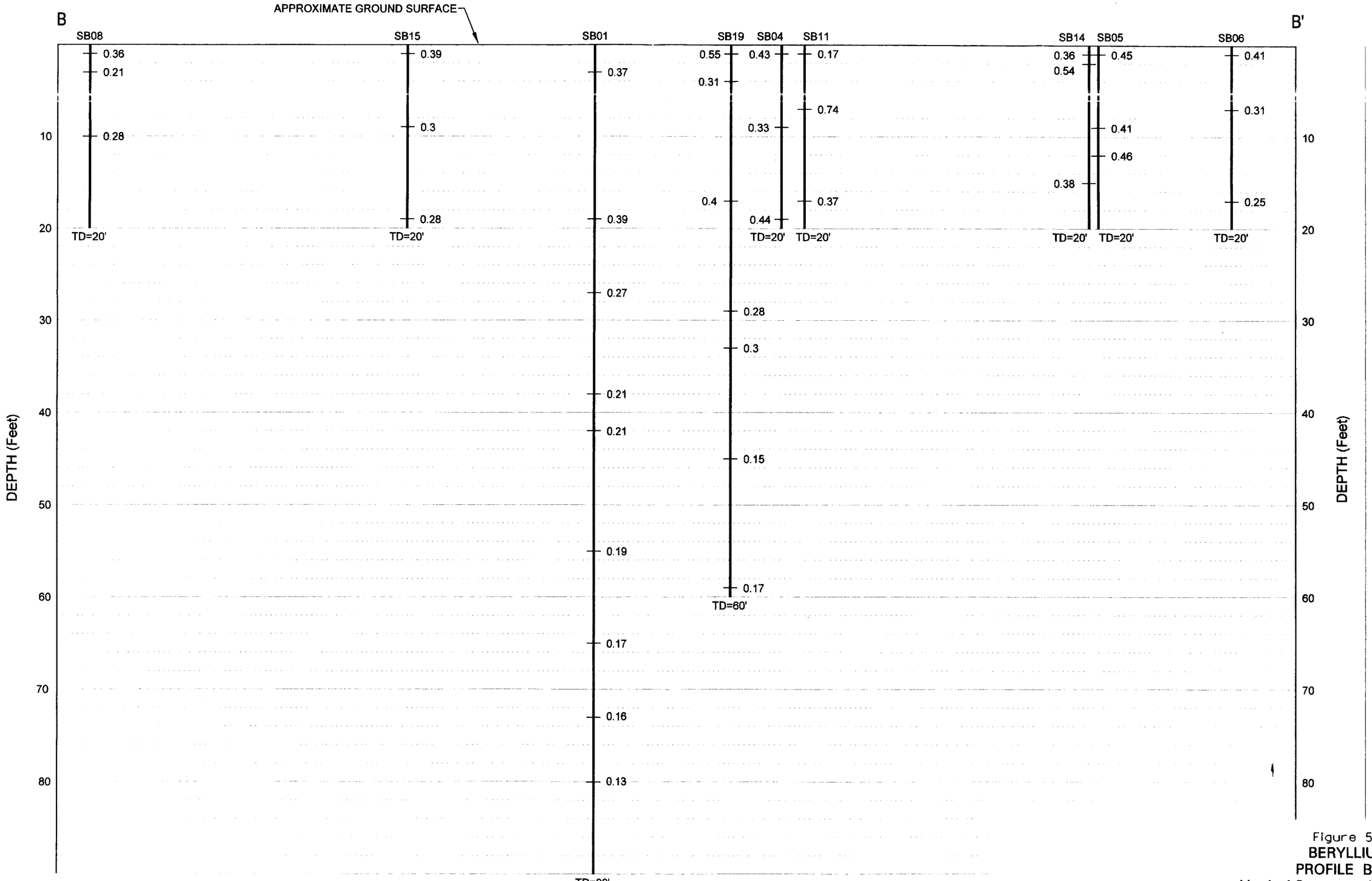


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-20
BERYLLIUM
PROFILE A–A
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

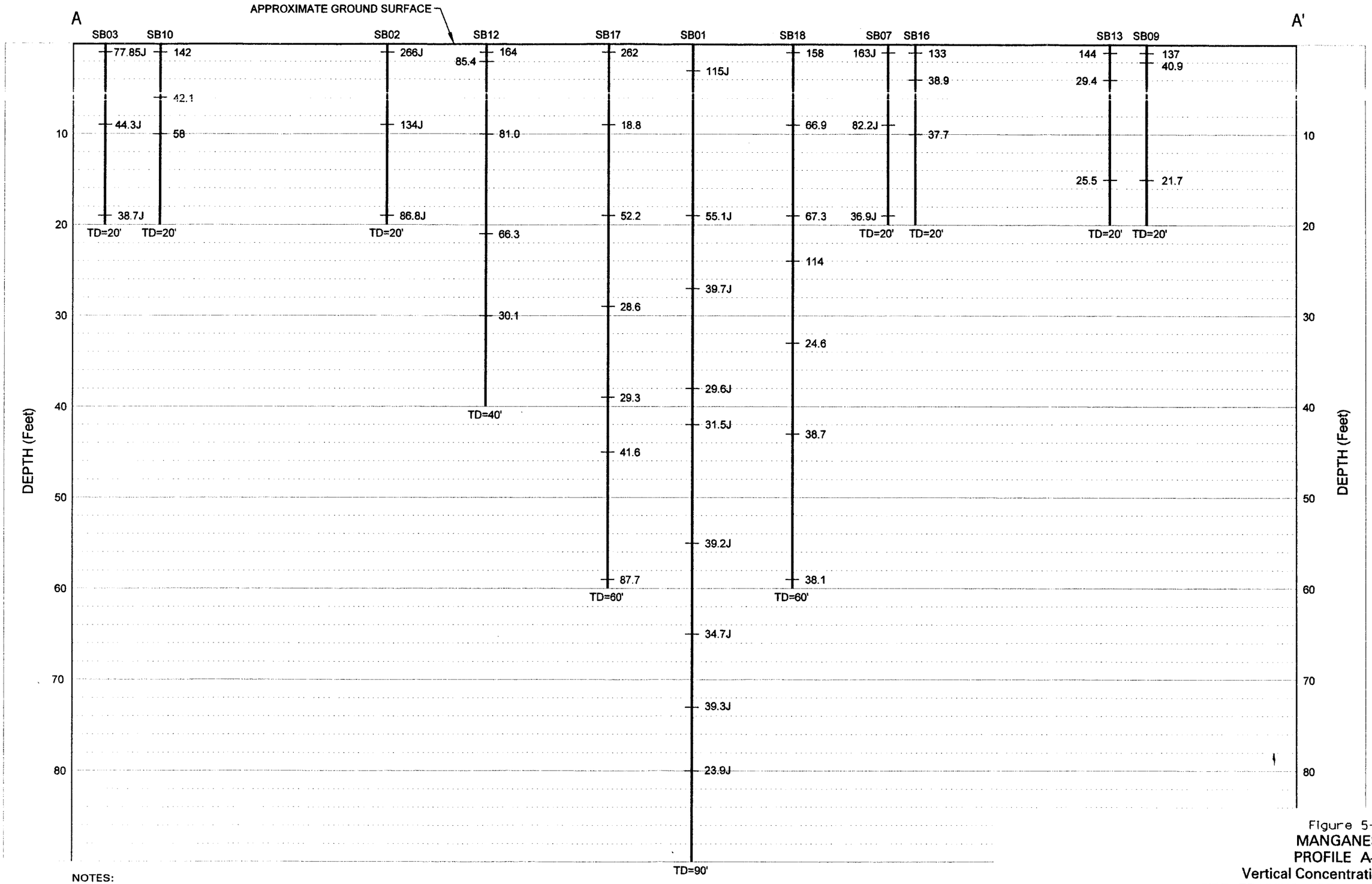


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-21
BERYLLIUM
PROFILE B–B
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

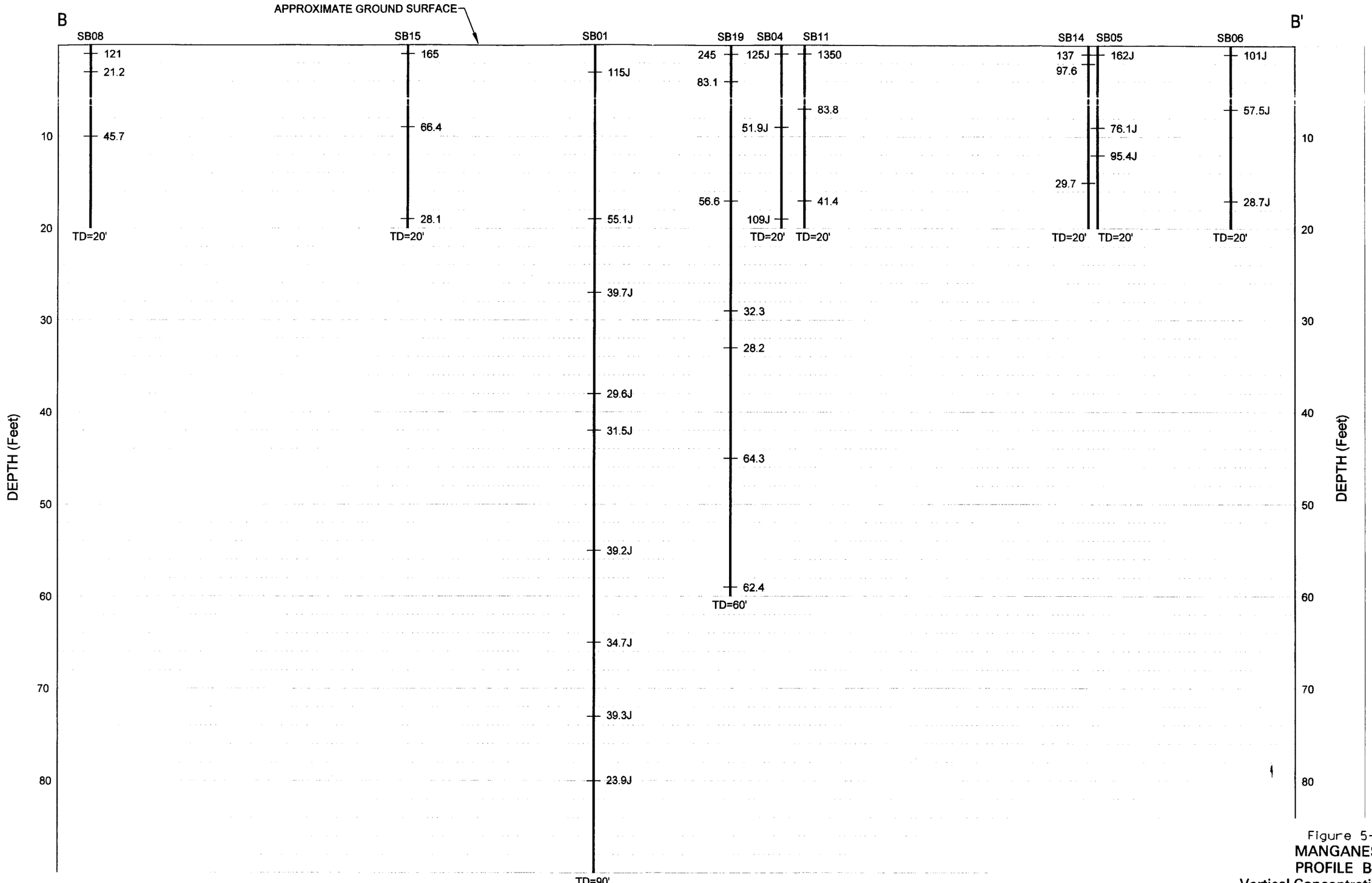


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-22
MANGANESE
PROFILE A–A
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

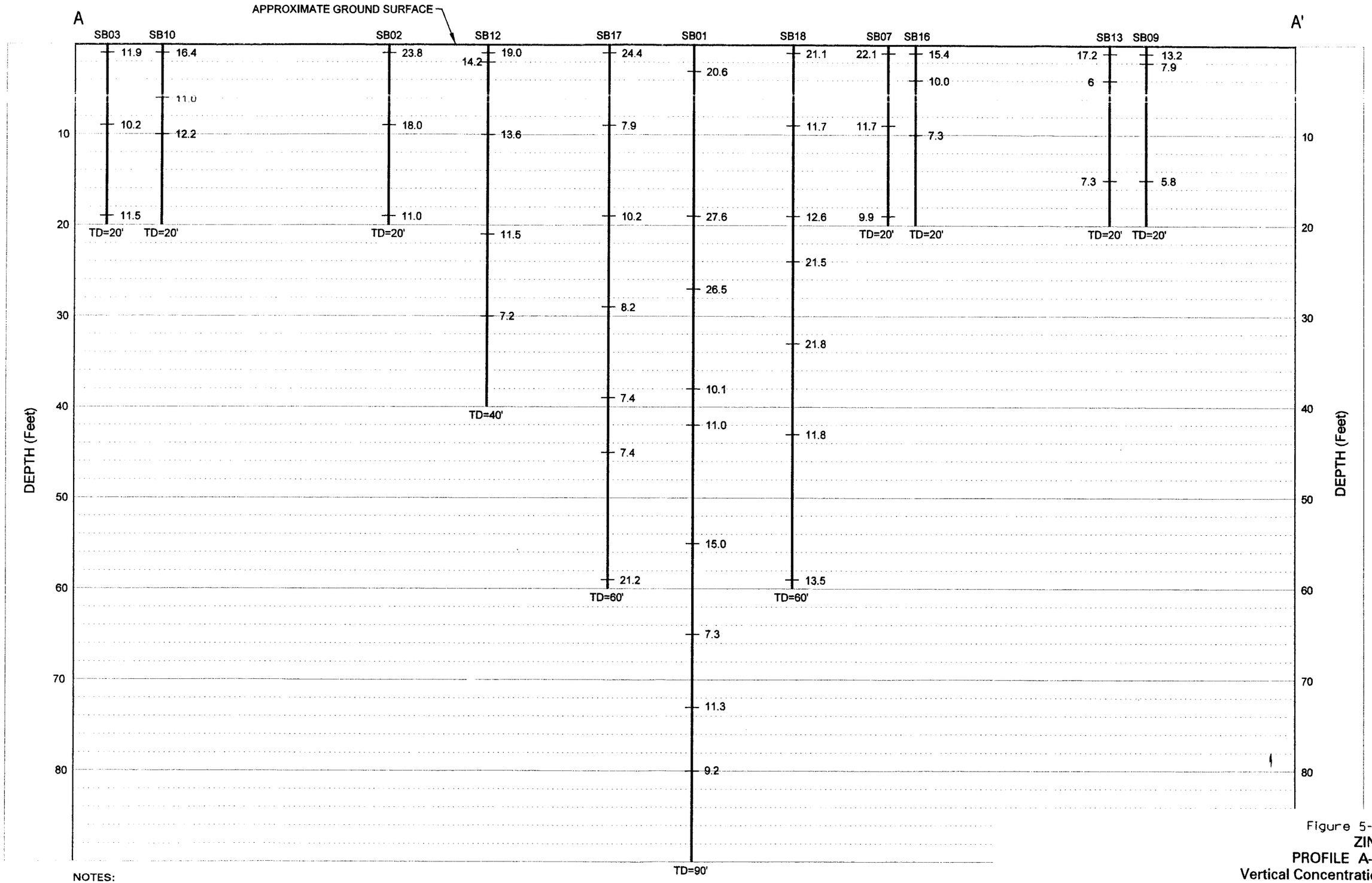


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-23
MANGANESE
PROFILE B–B
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

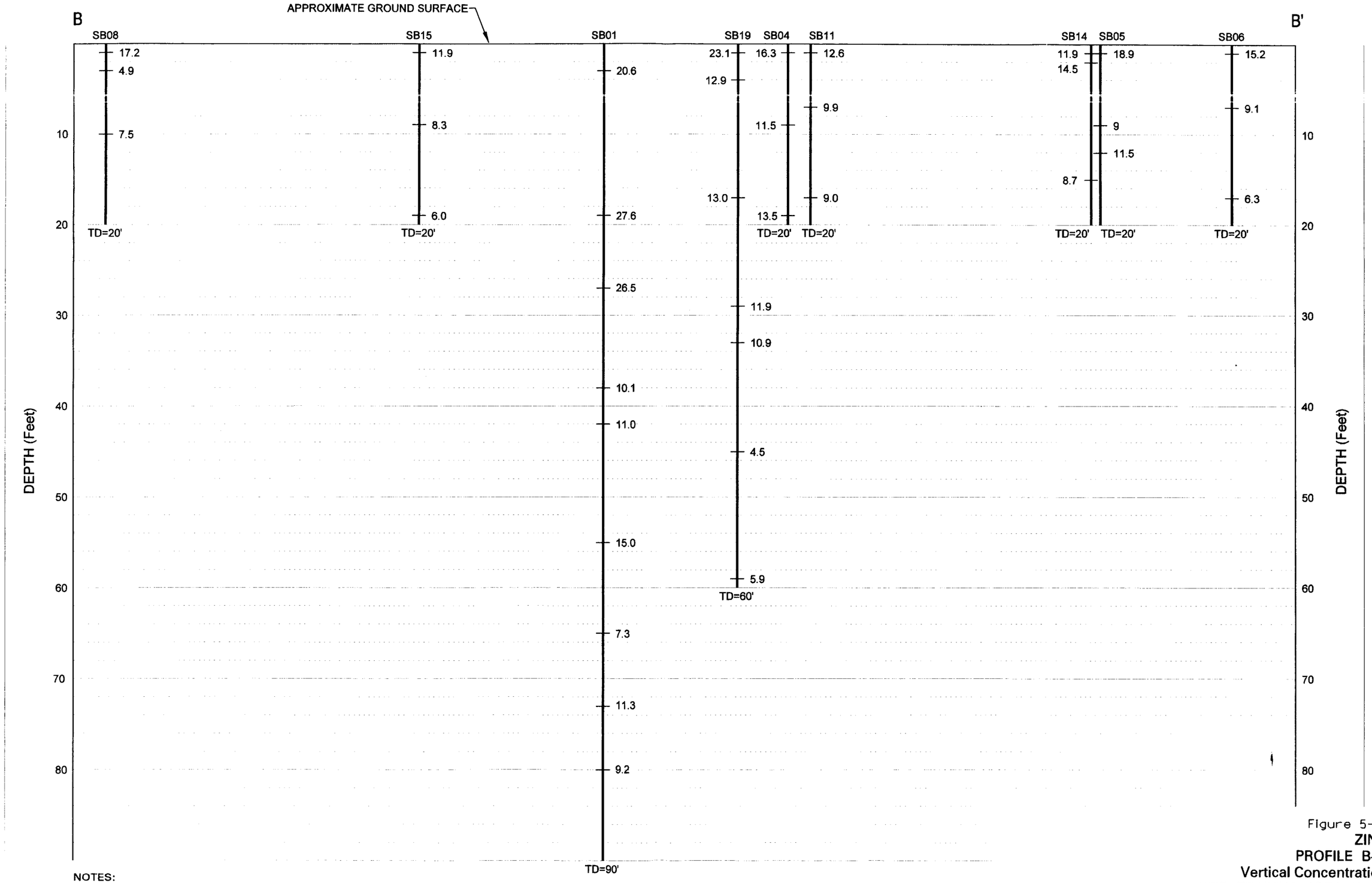


NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-24
ZINC
PROFILE A–A
Vertical Concentration
FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico



NOTES:

All Units are mg/kg

* = includes one or more values with a J qualifier

Figure 5-25

ZINC

PROFILE B–B

Vertical Concentration

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

6.0 CONTAMINANT FATE AND TRANSPORT

6.0 CONTAMINANT FATE AND TRANSPORT

his section examines potential contaminant pathways and discusses the fate and transport of the chemicals of potential concern in site soils that were identified for the baseline risk assessment (Sections 7.0 and 8.0) at FTA4. The fate and transport discussion, along with nature and extent of contamination, provides a basis for detailed examination of pathways, a key component of the risk assessment.

This section reviews those potential pathways (e.g. air, surface water, groundwater) that may have relevance to FTA4. For each of the chemicals of potential concern, the physical and chemical properties are presented and their importance to transport mechanisms is discussed. Given the limited presence of the chemicals of potential concern, they are discussed as a whole for SWMU Nos. 109, 110, 111, and 112, and not for individual SWMUs or on a boring-specific basis. Chemicals of potential concern (COPCs) at FTA4 includes five semi-volatile organic compounds (benzo(a)pyrene, benzo(b)fluoranthene, fluoranthene, phenanthrene, and pyrene) and five metals (barium, beryllium, manganese, lead and zinc), as discussed in Sections 7.0 and 8.0.

6.1 POTENTIAL CONTAMINANT TRANSPORT MECHANISMS

Potential transport mechanisms identified for FTA4 include (1) volatilization of organics and movement within soil gas or the atmosphere, and wind transport of metals or organics both on- and off-site; (2) surface water runoff; (3) surface water infiltration to the water table and subsequent migration through groundwater flow. Each of these potential mechanisms is briefly discussed below.

6.1.1 Volatilization and Wind Transport

Air transport mechanisms include volatilization and wind transport. Volatilization is a process by which an organic compound is transferred from one media to another (e.g. soil into soil gas and/or the atmosphere). Volatilization will influence the migration of volatile organic compounds, however, it will have little impact on semi-volatile organic compounds and will not influence metals. Wind transport of metals and organic compounds can occur due to contaminants adsorbed to dust particles. Air transport could potentially modify concentrations of organic compounds, however, the extent to which such modification may occur is dependant on the physiochemical properties of the specific chemical.

As discussed in Section 2.3, dust is frequently present in the region. Exposure to fugitive dusts containing the COPCs via inhalation is a potential pathway to receptors who may be exposed to these chemicals. However, fugitive dust would not affect residents on the Cannon AFB, primarily because the prevailing winds go from west to east. More discussion is provided in Section 7. Since the organic COPCs identified at FTA4 are semivolatiles or metals, volatilization is not considered an significant transport mechnism. Despite of this, exposure to the semovolatile COPCs via inhalation was evaluated in the risk assessment.

6.1.2 Runoff, Infiltration, and Surface Water

Both organic and metal contaminants can be transported in surface water during period of precipitation via adsorption on sediments or in solution. The organic and metal contaminants transported in storm water runoff may be deposited elsewhere, infiltrate into the subsurface, be transported into a surface water body, or be lost to volatilization (organic compounds only). The extent to which the COPCs may be adsorbed, placed into solution, or lost to the atmosphere will depend on their particular physiochemical properties.

The dominant surface water features in the vicinity of Cannon AFB are small temporal lake basins known as playas. A playa located near the southwest corner of Cannon AFB collects the majority of stormwater runoff from the base. The wastewater lagoons and associated playa lake, located approximately 5,000 feet north of FTA4, represent the only permanent surface water feature at Cannon AFB. The playas have no surface water outlets, and any water they collect is eventually lost to evaporation or infiltration. The mean annual precipitation at the site is approximately 15 inches per year, most of which falls during the summer months. The mean annual lake evaporation rate is 69 inches per year.

Because there are no permanant surface water bodies at FTA4, exposure to surface water does not constitute a pathway.

6.1.3 Groundwater Flow

Dissolution of organics and metals through the leaching of infiltrating surface water originating from precipitation is a means by which contaminants can enter groundwater. In the near-surface, the extent to which contaminants can migrate through surface water infiltration is dependant upon their physiochemical properties and the subsurface soil conditions.

The lower portion of the Ogallala Formation is the primary regional aquifer for both potable and irrigation water. The Ogallala Aquifer consists of gravels, sands, silts, and clays which vary in thickness from 360 to 415 feet in thickness at Cannon AFB. The Ogallala Aquifer is an unconfined aquifer which has a saturated thickness of about 95 to 145 feet, influenced by the configuration of an underlying erosional unconformity. According to Lee Wan and Associates (1990), five zones have been identified within the Ogallala of east central New Mexico on the basis of clay minerals. Smectites and attapulgite (with sepeolite) are the dominant clays throughout the Ogallala. Clays such as smectite and, to a lesser extent, attapulgite and illite, are soil constituents with moderate to high CECs. This indicates that the formation has a high adsorbing capacity for ionic contaminants (Bohn et al. 1985), prohibiting them from leaching to the groundwater.

The recharge rate of the Ogallala Aquifer is estimated to be as little as 1 inch per year. Due to the high evapotranspiration rate and low precipitation, recharge to the aquifer occurs during rain events in which the infiltration capacity of the soil is exceeded and runoff occurs, or during cool months when the precipitation exceeds evapotranspiration.

Based on the analytical data obtained at FTA4, the nature and extent of contamination discussion (Section 5.0), and the thickness of the unsaturated zone, it is judged that groundwater does not appear to be a pathway for contaminant transport.

6.2 PHYSICAL AND CHEMICAL PROPERTIES

This section provides a discussion of the physical and chemical properties of the COPCs as they relate to environmental fate and transport, including brief description of the relevance of these properties to principal transport processes (e.g. volatilization, aqueous solubility, adsorption and biodegradation) applicable to FTA4. It is important to note that other processes also exist which could contribute to contaminant mobility (e.g. hydrolysis, oxidation, reduction). However, it is judged that such processes, individually, are not as significant to the overall environmental fate of the identified COPCs as volatilization, aqueous solubility, adsorption and biodegradation.

6.2.1 Volatilization

Volatilization affects the persistence of an organic compound by governing the rate at which it may be transferred to a gaseous phase. Volatilization is a complex process that is dependant on numerous factors including a chemicals solubility and vapor pressure. The rate at which organics are influenced by this process is best represented by Henry's Law constant. The greater the Henry's law constant of a compound, the greater will be the tendency of the compound to volatilize from an aqueous solution. Henry's Law constant values greater than 10^{-3} atm-m^3/mole (cubic meters of atmosphere per mole) can be expected to volatilize rapidly from water while those values less than 10^{-7} atm-m^3/mole are less volatile than water and will tend to concentrate in water as it evaporates (Lyman et al. 1990). The Henry's Law constants for each of the organic chemicals of potential COPCs are less than 10^{-3} atm-m^3/mole (Table 6-1) and are, therefore, not considered to be highly volatile. It should be noted that moisture content, temperature and atmospheric conditions (i.e. wind speed and sunlight) may also influence the rate of volatilization from soil.

6.2.2 Aqueous Solubility

Solubility governs the extent to which a contaminant will partition into the aqueous phase. For metals in solution, their solubility is controlled by a number of complex factors (e.g redox potential-pH relationships, number and concentrations of ion complexes, major ion chemistry) whose collection and/or calculation were beyond the scope of this investigation. For organic compounds, the octanol/water partition coefficient (K_{ow}) provides an indication of the extent to which a contaminant will be adsorbed in the subsurface. The octanol/water partition coefficient is the ratio of a chemical's concentration in the octanol phase to its concentration in an aqueous phase. Greater K_{ow} values indicate lower dissolution and lower solubility and therefore would have a tendency to be adsorbed. According to Lyman et al. (1990), log K_{ow} values greater than 4.0 indicate that the organic chemical is very hydrophobic and would have a low aqueous solubility, hence would be considered to be less mobile. The log K_{ow} values for each of the

organic COPCs are greater than 4.0 (Table 6-1), and are, therefore, considered to have a low mobility.

6.2.3 Adsorption

Adsorption governs the mobility of both metals and organics and is a function of several parameters. For metals, mobility is directly affected by the extent of fixation, positive and negative adsorption, exclusion, complex formation, and by reaction kinetics (Dragun 1988), which in turn are influenced by the physiochemical properties of a given soil. Although the evaluation of these factors were beyond the scope of this investigation, adsorption of metals is often referred to in terms of the soil-water distribution coefficient (K_d). The soil-water distribution coefficient is defined as the ratio of concentrations adsorbed on soil surfaces to the concentration in water. Compounds with K_d values greater than 10 are considered to be immobile, between 2 and 10 have a low mobility, between 0.5 and 2 have an intermediate mobility, between 0.1 and 0.5 are considered to be mobile, and less than 0.1 are considered to be highly mobile (Dragun, 1988).

For organics, K_d has been strongly correlated with the fraction of total organic carbon present in a soil, and has been termed as the organic carbon partition coefficient (K_{oc}). K_{oc} is defined as the ration of K_d with the fraction of total organic carbon in a soil. K_{oc} is expressed as the ratio of the amount of chemical adsorbed per unit weight of organic carbon to the chemical concentration in solution at equilibrium. The normal range of K_{oc} values is between 1 to 10^7, with higher values indicating greater sorption potential (USEPA 1986). In general, semi-volatile organic compounds show relatively high K_{oc} values, indicative of chemicals with high sorption potential. For the organic COPCs at FTA4, K_{oc} values for benzo(a)pyrene and benzo(b)fluoranthene indicate high sorption potential, while K_{oc} values for fluoranthene, phenanthrene, and pyrene indicate moderate sorption potential.

6.2.4 Biodegradation

Microbial metabolism is the major process by which organic degradation in soil environments occurs. Efficient microbial metabolism converts organic materials into energy with by-products of carbon dioxide, methane, water, inorganic salts, and biomass. The rate and extent of biodegradation of compounds in soils may be affected by soil environment, characteristics of microbial population, and the physiochemical properties of the chemicals of concerns.

Environmental factors that may influence the rate of biodegradation in soil includes temperature, nutrient availability, oxygen concentration, moisture, pH, availability of electron acceptors, and contaminant bioavailability. In general, soil microbes most suited to biodegradation prefer aerobic environments, temperature between 50 and 104°F, adequate supplies of nitrogen and phosphorus, pH between 6 and 8.5, electron acceptors such as carbon dioxide, sulfate, nitrate, and oxygen, and adequate soil moisture. Natural biodegradation will occur under many environmental conditions, requiring only nutrients and electron acceptors; but, without ideal conditions, the rate of degradation is many times slower.

Microorganisms can catalyze a wide range of oxidation, reduction, and methylation reactions involving metals. These reactions can result in mobilization, immobilization, or volatilization of metals; but, they do not destroy the metals (Ward et al. 1995). At neutral to alkaline pH, heavy metals in soils and sediments tend to be immobilized by precipitation and/or adsorption to cation exchange sites of clay minerals. Microbial production of acid and chelating agents can reverse this adsorption and mobilize the toxic metals (Atlas and Bartha 1993). Following release, select microbial populations and plants can uptake the heavy metals. Select plants and microbes can uptake metals above background concentrations and above nutrient requirement; but, for plants, leaching during non-growing seasons causes any uptake to be short-term. In general though, high levels of heavy metals have toxic effects on plants and microorganisms and any reduction in heavy metal concentrations is generally short-term.

Table 6-1
Physical/Chemical Properties of Chemicals of Potential Concern
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemicals	Chemical Formula	CAS #	Density (mg/L)	Aqueous Solubility (mg/L)	Vapor Pressure (mm hg)	Henry's Law Const. (Atm.m Mole-1)	Octanol-Water Partition Coeff. (log K_{ow})	Organic-Carbon Partition Coeff. K_{oc} (ml/g)
Benzo(a)pyrene	$C_{20}H_{12}$	50-32-8	1.351	1.2E -03	5.60E-09	1.55E -06	6.06	5.5E+06
Benzo(b)fluoranthene	$C_{20}H_{12}$	205-99-2	NA	1.4E -02	5.00E-07	1.19E -05	6.06	5.5E+05
Fluoranthene	$C_{16}H_{10}$	206-44-0	NA	2.06E-01	5.00E-06	6.46E-06	4.90	38000
Phenanthrene	$C_{14}H_{10}$	85-01-8	1.025	1.0	6.8E-04	1.59E-04	4.46	14000
Pyrene	$C_{16}H_{10}$	120-00-0	NA	1.32E-01	2.50E-06	5.04E-06	4.88	38000
Beryllium	Be	7440-41-7	1.85	Insoluble	0 @ 25 °C (approx.)	NA	NA	NA
Zinc	Zn	7440-66-6	7.14	Insoluble	0 @ 25°C (approx.)	NA	NA	NA

NOTE:

(1) Chemical/physical property data obtained from Superfund Public Health Evaluation Manual. USEPA, 1986.

7.0 HUMAN HEALTH EVALUATION

7.0 HUMAN HEALTH EVALUATION

7.1 INTRODUCTION

This Human Health Risk Assessment was undertaken to assess the potential adverse human health effects that could occur due to exposure to site contaminants at FTA4, in the event no action is taken to remove contaminants and/or prevent their migration. The assessment was prepared in accordance with the Risk Assessment Guidance for Superfund (RAGS), Volume 2, Human Health Evaluation (USEPA 1989) and the risk assessment requirements specified in the USACE Scope of Services (USACE 1996). To perform the risk assessment, all available data generated during field investigations were reviewed to develop a Conceptual Site Model (CSM). The CSM identifies the current and potential future pathways through which human exposure to site-related contaminants could occur. A screening analysis was then performed to identify site-related Chemicals of Potential Concern (COPCs) to human health. In the screening analysis, analytical data developed in the field investigations were compared to both Cannon AFB background concentrations and EPA Region 6 Human Health Media-Specific Screening Levels (MSSLs) (1996). Note that for exposures to soils, EPA Region 6 MSSLs consider incidental ingestion, inhalation, and dermal contact and are therefore more conservative than the Soil Screening Levels developed by USEPA (1996). Assumptions used in calculating MSSLs are generic (i.e., non site-specific). MSSLs for Class A and B carcinogens were calculated at the risk level of 10^{-6} and MSSLs for Class C carcinogens were calculated at the risk level of 10^{-5}. The MSSLs for individual non-carcinogens was calculated using a Hazard Quotient of 1. Consider that multiple chemicals are present at the site, one-tenth of the MSSLs was used in the screening of noncarcinogens. Chemicals detected at levels in excess of both background and MSSLs were identified as COPCs and evaluated in the risk assessment.

7.2 CHEMICALS OF POTENTIAL CONCERN

7.2.1 Data Evaluation and Treatment

Prior to use, all analytical data generated during this RFI were validated and evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA 1994a) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (USEPA 1994b) to insure the data to have sufficient quality for risk assessment. Details on data quality and evaluation are described in the Quality Control Summary Report (Harza, June 30, 1997). Data were treated following the USEPA's Guidance for Data Usability in Risk Assessment (1992). Briefly, all positively reported data, including those flagged with "J" qualifiers, were used as reported. One-half of the MDL was used as the exposure point concentration in the risk assessment for those COPCs that were reported as nondetects and that had at least one detection in a medium.

7.2.2 Identification of Chemicals of Potential Concern

Metals are naturally occurring elements in soil. To determine whether metals detected in site soils are of potential concern, the concentrations of detected metals were screened against Cannon AFB background concentrations and EPA Region 6 MSSLs. Although future residential development at this site is unlikely, residential MSSLs were used to preserve the conservative nature of risk assessment. In addition, one-tenth of the MSSLs was used in the screening of noncarcinogens to compensate for the mixed effects. Note that the EPA Region 6 MSSLs for soil differs from USEPA or other Regional USEPA risk-based concentrations or preliminary remediation goals in that they consider all three plausible exposure pathways associated with soil exposure: ingestion, inhalation, and dermal contact and, therefore, are more conservative. The result of the screening is a list of COPCs at the site for each exposure media identified in the CSM. Only those inoranic chemicals that exceed both the background and the MSSLs were retained as COPCs and evaluated in the risk assessment.

The background comparison for inorganics was based on the 95th percentile calculated from a set of data for the Target Analyte List (TAL) metals collected in the vicinity of Cannon AFB by Woodward-Clyde, Radian, and Walk, Haydel, and Associates (Woodward-Clyde Consultants 1994). To ensure the conservative nature of risk assessment, these data were assumed to be lognormally distributed. The result of the data screening against background concentrations is presented in Table 7-1. As indicated in Table 7-1, all TAL metals were detected, except mercury and cadmium and most of the detected metals exceeded their background levels. However, the frequencies of exceedance for these metals were low (fewer than 10 of 77), indicating that metal concentrations at FTA4 are generally consistent with the background levels.

Table 7-2 summarizes the results of the screening against both the background and the EPA Region 6 MSSLs for inorganics. Results of this screening indicate the following:

- Barium, berylium, and manganese levels are above both the backgrounds and their respective MSSLs in at least one sample. These metals are therefore considered inorganic COPCs. Note that beryllium is exceeded in only one of 77 samples. However, since beryllium is considered a carcinogen, this chemical is retained as a COPC.

- Manganese is retained as a COPC because of its toxicity. According to EPA (IRIS 1997), managanese is a ubiquitous element that is essential for all animal species. Both deficiencies and excess intake of manganese can result in several diseases. According to the Estimated Safe and Adequate Daily Dietary Intakes (National Research Council 1989), the Daily Recommended Allowances (DRAs) for men or women are 2 to 5 mg/day. These rates are many times greater than that in the worst case scenario that could possibly occur at the FTA4 (200 mg/day x 1350 mg/kg = 0.27 mg/day, where 200mg/day is the ingestion rate and 1350 mg/kg is the highest concentration of manganese). Depite this factor, manganese is retained as a COPC and evaluated in the risk assessment.

- Iron is exceeded in 7 of the 77 samples. However, iron is an essential nutrient for humans and is not generally considered a harmful element. The DRAs for iron for men or women are 10 to 15 mg/day (National Research Council 1989). Intake of iron under the worst exposure scenario at the FTA4 is 2.14 mg/day (200 mg/day x 10,700 mg/kg = 2.14 mg/day, where 200 mg/day is ingestion rate and 10,700 mg/kg is the highest iron concentration at the FTA4). For this reason, iron was not selected as a COPC.

- Aluminum levels are exceeded in one of the 77 samples. However, because the exceedence is only marginal and because there no spatial pattern that indicates that this chemical is site-related, it is not retained as a COPC.

Tables 7-3 summarizes the results of the screening against the EPA Region 6 MSSLs for organics Results of this screening indicates that only benzo(a)pyrene and benzo(b)fluoranthene exceed the EPA Region 6 MSSL levels and are therefore identified as organic COPCs.

Chemicals that were detected at Fire Training Area No.4 that were not eliminated using the above criteria were retained as COPCs. Based on the screening, benzo(a)pyrene, benzo(b)fluoranthene, barium, beryllium, and manganese are identified as COPCs and were evaluated in this risk assessment. Note that following the risk assessment, any COPCs that show a cancer risk greater than 10^{-6} or HQ of 1 will be identified as Chemical of Concern (COC).

7.3 EXPOSURE ASSESSMENT

The objective of the exposure assessment is to identify human receptors that are potentially exposed to site chemicals, the manner by which an exposure occurs or is likely to occur, and the amount of the chemical intake resulting from such exposures, if any. To meet the objectives, the exposure assessment identifies populations that are likely to be exposed to site chemicals, the various media in which chemicals are found or transported, the location where exposure occurs, and the estimated magnitude, frequency, and duration of exposure. Both current and future exposure scenarios are considered herein.

7.3.1 Characterization of Exposure Setting

The physical setting at Cannon AFB was discussed in Section 2.0 of this report and includes available information regarding physical geography, climatology/meteorology, geology, vegetation, soils, groundwater hydrology, surface water hydrology, land use and demography, and ecology for Cannon AFB and surrounding areas.

The only residents living in the vicinity of FTA4 are military personnel and their dependents, a population of approximately 3,800 (USAF 1991). This population is, however, unlikely to be exposed to the contaminants at the FTA4. This conclusion is supported by the following factors:

- No contaminants from the FTA4 are present at these housing units. As indicated in Figure 3-1, these housing units are located on the northwestern portion of the Base, whereas the Fire Training Area No.4 is located on the southeastern portion of the Base. The closest housing units are about 8,000 feet from FTA4.

- No transport mechnisms are available to carry the contaminants from the FTA4 to the housing units. Since the COPCs at FTA4 are mainly found in soils, the only potential transport mechnisms are surface runoff and windblown via fugitive dusts. However, as discussed in Section 2, the Base is situated in the Llano Estacado subprovince with a slope of 10 to 15 ft per mile to the east and southeast. Runoff does not normally go from th Fire Traning Area No. 4 to the housing units. A playa located near the southwest corner of the Base collects the majority of the stormwater runoff from the Base. The prevailing winds at the Base are from west to east. This prevents dusts containing contaminants from transporting to the house units. Moreover, most of the FTA4 is not directly exposed, as they are covered with asphalt-like materials. This further reduces fugitive dust transport via wind.

FTA4 is currently inactive and remains the property of the U.S. Government. No information is available which suggests or indicates that this status will change. Therefore, populations that may be exposed to site contaminants are considered to be:

- Military personnel
- Construction workers
- Visitors and Trespassers
- Military personnel with construction activities

The last category of population refers to those military personnel who are also engaged in construction activities, in addition to their routine activities. In this case, the total exposure would be the sum of the Military Personnel and the Construction Worker.

7.3.2 Identification of Potential Exposure Pathways

An exposure pathway describes the course a chemical takes from the source to the receptor and is defined by four elements: 1) A source and mechanism of release; 2) An environmental transport medium; 3) A point of potential exposure with the contaminated medium; and 4) A route of exposure at the exposure point. When all these elements are present, a pathway is considered complete. Only complete exposure pathways are selected for evaluation in a risk assessment.

At FTA4, surface and subsurface soils have been impacted as a result of fire fighting training and related activities. Plausible exposure pathways associated with soil include incidental ingestion, inhalation of volatiles, inhalation of fugitive dusts, and dermal contact. According to USEPA (1996, page 20), exposure via dermal contact is insignificant compared with ingestion, therefore was not evaluated in this risk assessment. Incidental ingestion of soil particles and inhalation of volatiles and fugitive dusts are therefore the primary soil exposure pathways.

Groundwater beneath Cannon AFB is potable and used for domestic purposes both on and off the base. Therefore, exposure to groundwater by current and future residents is possible. However, the Ogallala Aquifer is approximately 270 feet deep and groundwater monitoring well data elsewhere at Cannon AFB has revealed no aquifer contamination. Of the two organic COPCs, benzo(b)fluoranthene was found in only one soil sample, at the ground surface. The maximum depth where the other organic COPC, benzo(a)pyrene, was found is 59 feet. Only 2 of the 77 samples exceeded the EPA Region 6 MSSL level in soil for this chemical and the detected concentrations were below the method reporting limits. Moreover, based on their log K_{oc} values (Table 6-1), both benzo(a)pyrene and benzo(b)fluoranthene are highly immobile. The other three COPCs (barium, beryllium, and manganese) are all metals. Because these metals are strongly retained by soil constituents (Bohn et al. 1985) and the annual precipitation at the Cannon AFB is low, the migration potential of these metal contaminants is considered very low. Finally, the local geology/hydrogeology (which includes clay and caliche layers) appear to be protective of groundwater, and a groundwater monitoring program is in place elsewhere at Cannon AFB and is expected to continue. Taken all these factors together, it was judged that the groundwater exposure pathway is not complete at the FTA4 and was not evaluated in the risk assessment.

There are no permanent surface water features at Cannon AFB other than the wastewater lagoons and the associated playa lakes (USAF 1990). Because of the low precipitation and much greater evaporation rates in the area, these lagoons and playas are filled infrequently. Standing water, when present, infiltrate rapidly into the sandy soils. However, infiltration occurs infrequently, generally in the winter months when precipitation exceeds evapotranspiration. The lack of permanent surface water bodies indicates that exposure to the surface water pathway is not complete. Surface water pathway was therefore not evaluated in the risk assessment.

Based on the above, a conceptual site model of potential human exposures to site contaminants was developed and is presented in Figure 7-1. Individuals potentially exposed to site-related contaminants include site military personnel, construction workers, and visitor and trespassers. Since the land use is not expected to change in the future, the future receptors will be the same as current receptors. The principle current and/or potential future exposure pathways are considered to include the following:

- Incidental ingestion of contaminated surface soils by current and future military personnel and visitors, future construction workers, and trespassers.

- Inhalation of volatile and fugitive dusts from surface soils by current and future military personnel and visitors, future construction workers, and trespassers.

- Incidental ingestion of contaminated subsurface soils by future construction workers.

- Inhalation of volatile and fugitive dusts from subsurface soils by future construction workers.

Currently, FTA4 is inactive and is not used for any specific purpose. Access to the site is very limited as Cannon AFB is securely guarded. Furthermore, most of FTA4 is covered by asphalt-like materials, which prevent direct exposure to the soil. Exposure to the surface soil is therefore negligible. However, to preserve the conservative nature of risk assessment, the following assumptions are made with respect to exposure pathways:

- The surface soil is exposed as if it was not covered by asphalt-like materials.
- Visitors/trespassers can freely enter the site without any restrictions.
- Military personnel visit and spend one half hour each day at the site, 250 days a year for 30 years. Since a normal working day is 8 hours, half hour is equivalent to 15.6 days per year.
- Construction workers will work at the site 45 days for one year. This exposure pathway does not exist under current condition as there are no construction activities taking place at Fire Training Area No. 4. This pathway is postulated for the future construction/excavation workers.
- Visitors and trespassers visit the site 50 days a year for 30 years. There are no standard or regulated exposure frequency or exposure duration for these receptors. This assumption is considered very conservative, since Cannon AFB is an active and secured Air Force Base.

7.4 TOXICITY ASSESSMENT

The purpose of toxicity assessment is to compile toxicity and carcinogenicity data for the COPCs and to provide quantitative indices of toxicity necessary to calculate potential risk in the risk characterization. The following sections present the quantitative indices of toxicity to be used in estimating the relationship between the extent of exposure to a contaminant and the potential increased likelihood and/or severity of adverse effects. The quantitative indices differ between carcinogens and non-carcinogens as well as the methodology used for developing the indices. Each is therefore addressed separately.

7.4.1 Dose-Response Evaluation

Chemicals are classified as potential carcinogens or noncarcinogens because the dose-response relationships for carcinogenic and noncarcinogenic effects are different and require different assessment approaches. The dose-relationship between noncarcinogenic effect generally exhibits a threshold dose below which no adverse effects occur, whereas no threshold doses have shown to exist for most carcinogenic effects.

7.4.2 Health Effects Criteria and Assessment, Carcinogens

For chemicals exhibiting potential carcinogenic effects, USEPA's Carcinogenic Assessment Group has estimated the excess lifetime cancer risks associated with various levels of exposure to potential human carcinogens by developing cancer slope factors (SFs). SFs are expressed in terms of reciprocal dose, as units of $(mg/kg\text{-}day)^{-1}$, which indicates the dose representing a potential risk of 1 in 1,000,000. The SFs are generally derived using conservative (health protective) assumptions. Cancer SFs developed by USEPA were used in this risk assessment. The toxicity values for potential carcinogenic effects of the COPCs are listed in Table 7-4.

As indicated in Table 7-4, USEPA has developed a weight-of-evidence classifications for potential carcinogens. The weight-of-evidence classification is an attempt to determine the likelihood that an agent is a human carcinogen; the classification thus affects the likelihood that an agent will induce cancer in humans but it does not impact numerical potency or the estimation of risk. The classification of carcinogenicity relies on the overall evidence as follows:

- Human carcinogens (Group A chemicals) are agents for which there is sufficient evidence to support the causal association between exposure to the agents in humans and cancer.

- Probable Human carcinogens (Group B1 and B2) are agents for which there is limited (B1) or inadequate (B2) evidence of carcinogencity from human studies. Group B2 chemicals also may be agents which have sufficient evidence of carcinogencity from animal studies.

- Possible human carcinogens (Group C) are agents for which there is limited evidence of carcinogenicity in animals.

- Not classified as to human carcinogen (Group D) are agents with inadequate human and animal evidence of carcinogencity or for which no data are available.

- Non human carcinogen (Group E) are agents for which there is no evidence of carcinogencity in adequate human or animal studies.

According to this classification scheme, arsenic is classified as Group A carcinogen and beryllium, benzo(a)pyrene, and benzo(b)fluoranthene are considered group B2 carcinogens.

EPA has developed several mathematical models to estimate low-dose carcinogenic risk from observed high dose risks. Consistent with current theories of carcinogens, EPA has selected the linearized multistage model based on prudent public health policies. In addition to using multistage mode, EPA uses the 95%UCL of the slope of the dose-response curve from high-dose animal or human studies to estimate low-dose SFs. Using SFs, lifetime excess cancer risks can be estimated by:

$$\text{Risk} = \Sigma ADIj \times SFj$$

where ADIj is exposure route-specific lifetime average daily intake and SFj is route-specific slope factor. Using the multistage model, the carcinogenic risks for the oral, dermal, and inhalation routes of exposure are calculated as follows:

$$\text{Risk} = ADIo \times SFo + ADId \times SFd + ADIi \times SFi$$

where subscript "o", "d", and "i" indicate the oral, dermal, and inhalation routes of exposure route, respectively.

Carcinogenic potency can also be expressed as the concentration of a chemical in an exposure medium such as air or water that is associated with a specific risk level. EPA prefers to express cancer potencies for inhalation exposure in this way and uses an unit risk (UR), as the reference risk level. Using the URs, the lifetime excess cancer risk associated with a particular concentration in air or water can be estimated by:

$$\text{Risk} = EPC/UR$$

where EPC is exposure point concentration. URs are expressed in $\mu g/m^3$ of air for inhalation exposure and $\mu g/L$ for ingestion of water. Inhalation URs are based on continuous exposure 24 hr/day whereas oral URs of water are based on consumption of 2 L/day by a 70-kg adult.

For this risk assessment, the inhalation route URs reported in USEPA's Integrated Risk Information System (IRIS) were converted to SFi for use with the standard exposure and risk estimation equations given in RAGS (EPA 1989) using the following equation:

$$SF_i = \frac{UR(\mu g/m^3)\ X\ 70kg\ X\ 1000\mu g/mg}{20m^3/day}$$

7.4.3 Health Effects Criteria and Assessment, Noncarcinogens

Health effects for chemicals exhibiting noncarcinogenic effects are generally developed using reference doses (RfDs). The RfD is an estimate of the daily exposure to the human population that is likely to be without an appreciable risk during a lifetime. The uncertainty associated with the RfD is at least one order of magnitude and may be as high as several orders of magnitude. RfDs are expressed in units of dose (mg/kg-day) and are developed by USEPA. Table 7-5 lists the RfDs for potential noncarcinogenic effects for arsenic and beryllium by the oral routes.

The RfDs are selected by identifying the lowest reliable no observed effect level (NOAEL) or lowest observed adverse effect level (LOAEL) in the scientific literature, then applying a suitable uncertainty factor (UF) and a modifying factor (MF), to allow for differences between the study conditions and the human exposure situation to which the RfDs are to be applied.

The potential for adverse health effects other than cancer is usually assessed by calculating a hazard quotient (HQ), which is the ratio of the estimated exposure to the RfD as follows:

$$HQ = \frac{ADI}{RfD}$$

HQs for chemicals causing the same type of adverse effect are summed to give a hazard index (HI). A HQ or HI greater than 1 indicates that adverse effects may be possible. The critical noncarcinogenic effects for COPCs at FTA4 area all different; therefore, HQs were not summed for all chemicals in this risk assessment.

Exposure to some chemicals may result in both carcinogenic and noncarcinogenic effects. In these cases, both the carcinogenic and noncarcinogenic effects were evaluated and considered in the risk assessment process. The four COPCs identified at FTA4 are all classified carcinogens and were evaluated for their cancer effects. Arsenic and beryllium also exhibit noncarcinogenic effects. Therefore, these two COPCs were evaluated as both carcinogens and noncarcinogens.

7.5 RISK CHARACTERIZATION

Risk characterization is the integration of an exposure assessment and toxicity assessment to estimate the relationship between the exposure and the potential increased likelihood and/or severity of adverse effects. Potential carcinogenic risk is assessed by multiplying the estimated ADI of a carcinogen by its estimated SF to obtain its cancer risk, which is expressed as a probability of that exposure resulting in an excess incidence of cancer. The excess cancer risk for exposure to each chemical by each route of exposure and categories of receptor is initially estimated separately. The risk estimates are then summed for all exposure routes and chemicals affecting the same organs to obtain total cancer risk for that population.

7.5.1 Estimation of Exposure Point Concentrations

Exposure Point Concentrations (EPCs) were estimated for surface and subsurface soil based on measured concentrations at the site from the soil borings. According to the RFI Work Plan (Harza 1996), FTA4 was to be evaluated as a whole. To calculate EPCs representative of Fire Training Area No.4, data were averaged across the entire site. Soil was divided into two exposure media: surface soil and subsurface soil. The EPC for surface soil was calculated by taking the average of the top 1 to 3 ft soil concentrations of the COPCs. Similarly, the EPC for the subsurface soil was determined by averaging the COPC concentrations in soil below 3 ft. According to RAGS (EPA 1989), the arithmetic mean and the 95% upper confidence limit (UCL) of the arithmetic mean should be used to characterize the average and Reasonable Maximum Exposure (RME) cases, respectively. Tables 7-9 through 7-12 show the average and 95%UCL COPC concentrations in both surface and subsurface soils.

7.5.2 Estimation of Average Daily Intake

The quantification of the COPC ADI is based on assumptions concerning the duration, frequency, and magnitude of exposure. The general equation for calculating ADIs for various exposure routes is (EPA 1989):

$$ADI\ (mg/kg\text{-}day) = \frac{C \times CR \times EF \times ED}{BW \times AT}$$

where:

ADI	=	Chronic daily intake (mg/kg-day)
C	=	Chemical concentration in soil (mg/kg)
CR	=	Contact rate
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
BW	=	Body Weight (kg)
AT	=	Averaging time (days)

The specific parameters used to quantify chemical intakes are presented in Table 7-8. Most of the parameters are standard EPA assumptions and were taken from RAGS (EPA 1989).

Exposure to volatile chemicals is characterized by a volatilization factor (VF) and exposure to fugitive dust is measured by particulate emission factor (PEF). These factors are calculated using the new methodologies suggested by USEPA (1996). These methods replace those presented in the RAGS (EPA 1989) and are considered more reliable. The equations and parameters for each of these factors are presented in Tables 7-6 and 7-7.

Surface Soils

All three categories of potentially exposed populations identified can be exposed to surface soils. They may be exposed to surface soil through direct contact with, and subsequently incidental ingestion of, surface soil as well as the potential inhalation of volatiles and fugitive dust emissions from the soils. The ADI for these pathways is calculated using the following equation (EPA 1991):

$$ADI(mg/kg\text{-}day) = \frac{Cs \times EF \times ED \times [(IRs \times CF) + IRi \times (\frac{1}{VF} + \frac{1}{PEF})]}{BW \times AT}$$

where:

ADI	=	Chronic average daily intake (mg/kg-day)
Cs	=	Chemical concentration in soil (mg/kg)
IRs	=	Soil ingestion rate
IRi	=	Inhalation rate (m^3/L)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
CF	=	Conversion factor of 10^{-6} kg/mg
BW	=	Body weight (kg)
AT	=	Averaging time (days)
VF	=	Volatilization factor (m^3/kg)
PEF	=	Particulate emission factor (m^3/kg)

The values used to characterize each of the above parameters are presented in Table 7-8.

Subsurface Soil

Potential exposure to subsurface soils may occur to construction and/or excavation workers, who can be those military personnel engaged in construction or digging activities. The ADI for these workers is calculated based on the same equation as described for the surface soil exposure. Hence, exposure to subsurface soil considers both incidental ingestion of soil and inhalation of volatiles and fugitive particulate. The values for the construction/excavation scenario are assumed and are provided in Table 7-8.

7.5.3 Risk Characterization

Quantitative human risk estimates were derived by combining the estimates of chemical intake derived in the Exposure Assessment with the health effects criteria presented in the Toxicity Assessment. For potential carcinogenic chemicals, lifetime excess cancer risks are estimated by multiplying the cancer slope factor by the estimated daily chemical intake. Because the intake is assumed to occur by both inhalation and ingestion for some exposures, additivity of effects is assumed such that the total excess lifetime cancer risk for each chemical is obtained by summing the chemical specific risk estimated for both pathways as it relates to a specific medium. The estimated excess lifetime cancer risk estimates represent a high-end probability that an individual could contract cancer due to exposure to the potential carcinogen under the specified exposure conditions. A risk level of 10^{-6} represents a high end probability of 1 in 1,000,000.

For noncarcinogens, potential impacts are presented as the ratio of the daily intake to the RfD or HQ. Additivity of noncarcinogenic effects by each pathway, e.g., inhalation and ingestion, for a medium is also assumed for each chemical such that the risk is represented as the sum of the HQ. The HQ is useful as a reference point for gauging the potential effects of the environmental exposures to complex mixtures. A HQ greater than one suggests that human effects would be

possible if exposure occurred under the conditions evaluated in the assessment. In general, a HQ less than one is unlikely associated with any health risks.

Potential carcinogenic risks and noncarcinogenic hazards are estimated for each medium under exposure scenarios characterized in the CSM and under the assumptions used in calculating the ADIs. The methods for calculating the risks as an integration of the exposure assessment and toxicity assessment are provided in Table 7-8 for surface and subsurface soils. The physical and chemical parameters necessary to calculate the VFs and PEFs for the COPCs are provided in Tables 7-6 and 7-7. The risk characterization results are summarized below.

Military Personnel

This population is defined for this report to include military personnel stationed at Cannon AFB, but not engaged in construction or excavation activities. Military personnel are considered to be potentially exposed to surface soil only. The total risk is therefore the sum of risks resulting from incidental ingestion of soil particles and inhalation of volatiles and fugitive dusts. Tables 7-9 and 7-10 show the cancer and noncancer risks to the military personnel, respectively. No cancer risks of any of the COPCs exceeded the 10^{-6} level. Similarly, none of the COPCs has HQ greater than 1. Therefore, no COPCs are identified as COCs with respect to exposure to the site contaminants.

Construction Workers

Construction workers are exposed to both the surface soil and the subsurface soil. Tables 7-9 and 7-11 present the cancer risks to construction workers as a result of exposure to the surface and subsurface soil, respectively. Tables 7-10 and 7-12 show the respective noncancer hazard quotients. The total risks resulting from exposure to both surface and subsurface soil are summarized in Table 7-13. Evidently, the total cancer or noncancer risks are 2 to 3 orders of magnitude smaller than the regulated cancer risk of 10^{-6} or the HQ value of 1. Therefore, none of the COPCs are identified as COCs at the site for construction workers.

Visitors/Trespassers

Visitors/Trespassers are considered to be exposed to surface soil only. The total risk is therefore the sum of risks resulting from exposure to surface. Tables 7-9 and 7-10 show the cancer and noncancer risks to the visitors/trespassers, respectively. No cancer risks of any of the COPCs exceeded the 10^{-6} level. Similarly, none of the COPCs have a HQ greater than 1. Therefore, no COPCs are identified as COCs with respect to exposure to the site contaminants.

Military Personnel and Construction Worker

This population is considered to include those military personnel stationed at Cannon AFB, but who also engage in construction, excavation, or digging activities at the FTA4. The total risk for these receptors is therefore the sum of the risks for both Military Personnel and Construction Workers. The result of the cancer and noncancer risks are presented in Table 7-13. As shown in

the table, the regulated risk levels are not exceeded for both cancer and noncancer risks.

7.5.4 Uncertainty in the Risk Assessment

The uncertainties in the quantitative risk estimates are product of the uncertainties associated with all data and assumptions used in the risk assessment process. The uncertainties are associated with the environmental sampling and analysis, exposure parameter estimation, and toxicological data. A discussion of the risk uncertainties associated with the risk estimates is critical to understanding the true nature of the predicted risks and to placing the predicted risks in the proper perspective.

Qualitative evaluation of uncertainty focuses on identifying the principal sources of uncertainty to discuss whether each tends to overestimate or underestimate risks. Because the risk characterization combines and integrates the information developed in the exposure and toxicity assessment, the uncertainties associated with these assessments also affect the degree of confidence that can be placed in risk characterization results. Discussions of these factors causing uncertainty in the exposure and toxicity assessments are summarized below.

Exposure Assessment

The exposure estimates used in this risk assessment are conservative and designed to be on the side of overestimating actual risks when there is an uncertainty in order to be health protective. Several of the factors adding uncertainty to the estimates, resulting in probable over estimation of exposure, include:

- The directed nature of much of the sampling plan; i.e., focusing on the most of the contaminated parts of the site;
- The use of the upper bound of 95% UCL values in the exposure estimation;
- The use of steady state assumptions for the source concentration estimates; i.e., the COPC concentrations are not subject to decrease due to attenuation and/or degradation for the duration of the exposure period.
- The use of overly conservative assumptions on exposure frequency and exposure duration for military personnel and visitors/trespassers. As stated before, FTA4 is inactive and is not used for any specific purpose. Exposure to this area by military personnel is negligible. Cannon AFB is an active Air Force Base and is fully secured, therefore access to Cannon AFB via trespassing is almost impossible. Exposure to the contaminants via trespassing is therefore highly unlikely.

A factor which could lead to either over- or underestimation of the exposures is:

- The use of one-half MDL to estimate the nondetects.

Toxicity Assessment

Basic uncertainties underlying the assessment of the toxicity of a chemical include:

- Uncertainties arising from the design, execution, or relevance of the scientific studies that form the basis of USEPA's risk assessment; and

- Uncertainties involved in extrapolating from underlying scientific studies to the exposure scenarios being evaluated, including variable responses to chemical exposures in human and species and between species.

These basic uncertainties could result in a toxicity estimate, that either can under- or overestimate the true toxicity of a chemical present at the site. However, USEPA's toxicity assessment process compensates for these uncertainties through the use of uncertainty factors and modifying factors when deriving RfDs for noncarcinogens, and the use of 95% confidence limit when deriving the SFs for carcinogens.

Overall Risk Characterization

When discussing uncertainties associated with the overall risk assessment, several additional factors need to be considered. These include the cumulative effect of using conservative assumptions throughout the assessment process and the likelihood of the exposures postulated and estimated in the exposure assessment actually occurring.

The cumulative effect of using conservative assumptions throughout the risk assessment is that the estimated risks may substantially overestimate the true risks. USEPA guidance recommends that individual exposure parameters be selected so that the resulting overall estimates of exposure represents a RME. However, in many cases, the actual statistical distribution of a parameter is unknown (i.e., the amount of soil ingested). When there is a doubt, USEPA has erred in favor of protecting human health, and selected an RME default value that result in overestimating the risks. Therefore, the nature of risk estimation process ensures the true risks are more likely to be overestimated than underestimated.

The last major uncertainty factor to consider is the likelihood of postulated exposures actually occurring. The exposure pathways identified are plausible and exposure may be expected to occur. However, postulated frequencies of occurrence for all exposure scenarios were chosen to overestimate routine occurrence but more likely reflect an upper bound frequency of occurrence. For example, it is assumed that military personnel will visit these units every day for 250 days a year and stay there for 30 minutes each day. The reality is that they more likely drive through these units, rather than walk, and there is very little chance to contact the soils.

7.5.5 Summary of Baseline Human Health Risk Assessment

This Human Health Risk Assessment has been conducted to assess the potential adverse human health effects that could occur due to exposure to site contaminants at FTA4, in the event no action is taken to remove contaminants and/or prevents their migration. The assessment was prepared in accordance with the RAGS (USEPA 1989). Four chemicals, arsenic, beryllium, benzo(a)pyrene, and benzo(b)fluorathene, were identified as COPCs and were evaluated in this risk assessment. Arsenic or beryllium levels at the site are above the EPA Region 6 Media-Specific Screening Levels, but are below their respective background, indicating they are not site-related chemicals. Three categories of receptors, military personnel, visitors/trespassers, and future construction workers, were postulated and evaluated for exposure to the four chemicals. The result shows that the cancer or noncancer risks to any of the receptors are several orders of magnitude smaller than the regulated cancer risk of 10^{-6} or noncancer hazard quotient of 1, indicating that exposure the site contaminants is negligible. Moreover, to ensure the conservative nature of risk assessment, most of the parameters used in the risk assessment are generic, the true risks may be even smaller than the calculated risks. In conclusion, the site contaminants pose no significant risks to any of the populations.

Table 7-1
Frequency of Detection and Exceedence of Background Concentrations for Inorganics
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Background Concentrations* (mg/kg)	Frequency of Detection	Frequency of Exceedance
Aluminum	9,370	77/77	1/77
Antimony	17.0	60/77	0/77
Arsenic	8.5	77/77	0/77
Barium	856	77/77	3/77
Beryllium	0.64	77/77	1/77
Cadmium	3.1	0/77	0/77
Calcium	172,000	77/77	2/77
Chromium	11.6	77/77	1/77
Cobalt	3.9	77/77	3/77
Copper	10.1	72/79	1/77
Iron	7960	77/77	5/77
Lead	28	77/77	2/77
Magnesium	10,300	77/77	0/77
Manganese	150	77/77	7/77
Mercury	0.06	0/77	0/77
Nickel	9.6	74/77	1/77
Potassium	2,120	77/77	0/77
Selenium	48.1	20/77	0/77
Silver	1.05	1/77	0/77
Sodium	545	77/77	9/77
Thallium	3.9	1/77	0/77
Vanadium	21.5	77/77	0/77
Zinc	19.5	77/77	8/77
Cyanide, Total		0/77	0/77

* 95th percentile, calculated from a set of data collected in the vicinity of the CAFB. Source: Concentrations of Selected Naturally Occurring Chemical Constituents in Soil and Groundwater at Cannon Air Force Base, Clovis, New Mexico, March, 1994.

Shades denote detection levels above background.

Table 7-2
Frequency of Detection and Exceedence of EPA Region 6 Media-Specific Screening Levels (MSSL) for Residential Soil for Inorganics
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Effect*	Background Concentration** (mg/kg)	EPA Region 6 MSSL for Residential Soil (mg/kg)	Range of Concentrations Detected (mg/kg)	Frequency of Detection	Frequency of Exceedance
Aluminum	N	9,370	7,700	1,230-9,990	77/77	1/77
Antimony	N	17 3.15	3.1	2.1 UJ - 6.2	60/77	0/77
Arsenic	C	8.5 (Total) 3.0	0.32 (as carc.)	0.40-3.3	77/77	0/77
	N	8.5 (Total)	2.2 (noncancer)	0.40-3.3	77/77	0/77
Barium	N	856 676	530	15.3-1,250	77/77	3/77
Beryllium	C	0.64 .78	0.14	0.13-0.74	77/77	1/77
Cadmium	N	3.1 .43	3.8	0.53 U - 0.61 U	0/77	0/77
Calcium		172,000	---	1,580-253,000	77/77	---
Total Chromium	N	11.6 10.5	21	2.2-20.9	77/77	0/77
Cobalt	N	3.9 6.6	470	1.1-5.4	77/77	0/77
Copper	N	10.1	280	1.1 UJ - 14.6 J	72/79	0/77
Iron	N	7960	2,300	2,000-10,700	77/77	7/77
Lead	N	28 12	40	1.0-21.5	77/77	0/77
Magnesium		10,300	---	702-5,520	77/77	---
Manganese	N	150	38	18.8-1,350	77/77	7/77
Mercury	N	0.06 .056	2.3	0.084 U - 0.097 U	0/77	0/77
Nickel	N	9.6 11	150	2.1 UJ - 28.3 J	74/77	0/77
Potassium		2,120 2091	---	285-2,360	77/77	---
Selenium	N	48.1 0.26	38	0.053 U - 0.69	20/77	0/77
Silver	N	1.05 0.4	38	0.53 U -25.1	1/77	0/77
Sodium		545	---	60.3-322	77/77	---
Thallium		3.9 0.6	---	0.10 U - 0.12 U	1/77	---
Vanadium	N	21.5	54	7.1-27.6	77/77	0/77
Zinc	N	19.5	2,300	6.0-24.4	77/77	0/77
Cyanide, Total	N		130 (free)	0.51 U - 0.61 U	0/77	0/77

* C - carcinogen; N - noncarcinogen.

** 95th percentile, calculated from a set of data collected in the vicinity of the CAFB. Source: Concentrations of Selected Naturally Occurring Chemical Constituents in Soil and Groundwater at Cannon Air Force Base, Clovis, New Mexico, March, 1994.

Shades denote detection levels above both the background as well as the MSSLs.

Table 7-2
Frequency of Detection and Exceedence of EPA Region 6 Media-Specific Screening Levels (MSSL) for Residential Soil for Inorganics
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Effect*	Background Concentration** (mg/kg)	EPA Region 6 MSSL for Residential Soil (mg/kg)	Range of Concentrations Detected (mg/kg)	Frequency of Detection	Frequency of Exceedance
Aluminum	N	9,370	7,700	1,230-9,990	77/77	1/77
Antimony	N	17	3.1	2.1 UJ - 6.2	60/77	0/77
Arsenic	C	8.5 (Total)	0.32 (as carc.)	0.40-3.3	77/77	0/77
	N	8.5 (Total)	2.2 (noncancer)	0.40-3.3	77/77	0/77
Barium	N	856	530	15.3-1,250	77/77	3/77
Beryllium	C	0.64	0.14	0.13-0.74	77/77	1/77
Cadmium	N	3.1	3.8	0.53 U - 0.61 U	0/77	0/77
Calcium		172,000	---	1,580-253,000	77/77	---
Total Chromium	N	11.6	21	2.2-20.9	77/77	0/77
Cobalt	N	3.9	470	1.1-5.4	77/77	0/77
Copper	N	10.1	280	1.1 UJ - 14.6 J	72/79	0/77
Iron	N	7960	2,300	2,000-10,700	77/77	7/77
Lead	N	28	40	1.0-21.5	77/77	0/77
Magnesium		10,300	---	702-5,520	77/77	---
Manganese	N	150	38	18.8-1,350	77/77	7/77
Mercury	N	0.06	2.3	0.084 U - 0.097 U	0/77	0/77
Nickel	N	9.6	150	2.1 UJ - 28.3 J	74/77	0/77
Potassium		2,120	---	285-2,360	77/77	---
Selenium	N	48.1	38	0.053 U - 0.69	20/77	0/77
Silver	N	1.05	38	0.53 U -25.1	1/77	0/77
Sodium		545	---	60.3-322	77/77	---
Thallium		3.9	---	0.10 U - 0.12 U	1/77	---
Vanadium	N	21.5	54	7.1-27.6	77/77	0/77
Zinc	N	19.5	2,300	6.0-24.4	77/77	0/77
Cyanide, Total	N		130 (free)	0.51 U - 0.61 U	0/77	0/77

* C - carcinogen; N - noncarcinogen.

** 95th percentile, calculated from a set of data collected in the vicinity of the CAFB. Source: Concentrations of Selected Naturally Occurring Chemical Constituents in Soil and Groundwater at Cannon Air Force Base, Clovis, New Mexico, March, 1994.

Shades denote detection levels above both the background as well as the MSSLs.

Table 7-3
Frequency of Detection and Exceedence of EPA Region 6 Media-Specific Screening Levels (MSSL) for Residential Soil for Organics
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Effect	EPA Region 6 MSSL for Residential Soil (µg/kg)	Range of Concentrations Detected (µg/kg)	Frequency of Detection	Frequency of Exceedance
VOAs					
Methylene Chloride	C	1,100	2.6 U - 14	6/77	0/77
Toluene	N	190,000	0.84 U - 4370	9/77	0/77
Ethylbenzene	N	290,000	0.73 U - 7230	6/77	0/77
m & p-Xylene	N	196,000	1.1 U - 29,900	12/77	0/77
o-Xylene	N	98,000	0.48 U - 18,900	7/77	0/77
Isopropylbenzene		---	0.69 U - 1,940	6/77	
n-Propylbenzene		---	0.61-4,450	6/77	
1,3,5 Trimethylbenzene	N	390,000	0.52 U - 15,500	7/77	0/77
1,2,4 Trimethylbenzene	N	390,000	0.73 U - 41,800	10/77	0/77
sec-Butylbenzene	N	78,000	0.66 U - 15.6	1/77	0/77
p-Isopropyltoluene		---	0.64 U - 9,530	7/77	
n-Butylbenzene	N	---	1.0 U - 4,620	3/77	
Naphthalene	N	80,000	1.8 U - 8,580	8/77	0/77
Acetone	N	200,000	9.1 U - 3,150 J	31/77	0/77
2-Butanone		---	8.2 U - 89.8	2/77	0/77
BNAs					
4-Methylphenol	N	33,000	45.4 U - 711 J	1/77	0/77
Benzoic Acid		SAT	86.8 U - 214 J	3/77	
Naphthalene	N	80,000	1.8 U - 3,800	5/77	0/77
2-Methylnaphthalene		---	38.0 U - 11,700	7/77	
Dibenzofuran	N	26,000	36.0 U - 366 J	2/77	0/77
Fluorene		30,000	29.6 U - 1,230 J	2/77	0/77
Phenanthrene		---	32.0 U - 559 J	4/77	
Di-N-Butylphthalate		---	2.37 U - 802 B	10/77	
Fluoranthene	N	260,000	29.6 U - 1,230 J	6/77	0/77
Pyrene	N	200,000	29.6 U - 1,340 J	6/77	
Butylbenzylphthalate	N	1,300,000	29.7 U - 74.5 J	4/77	0/77
Benzo(a)Anthracene	C	600	25.3 U - 565 J	4/77	0/77
Chrysene	C	24,000	26.4 U - 688 J	5/77	0/77
Bis(2-Ethylhexyl)	C	32,000	32.8 U - 274 J	8/77	0/77
Benzo(b)Fluoranthene	C	600	56.0 U - 895 J	2/77	1/77
Benzo(k)Fluoranthene	C	6,100	69.7 U - 636 J	2/77	0/77
Benzo(a)Pyrene	C	60	30.6 U - 750 J	4/77	3/77
Indeno(1,2,3-cd)Pyrene	C	600	33.3 U - 224 J	1/77	0/77

SAT = risk-based value above expected saturation point

Shades denote detection levels above both the MSSLs.

Table 7-4
COPC Toxicity Values for Potential Carcinergenic Effects
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

COPC	Route	Slope Factor (SF) (1/mg/kg-day)	Weight of Evidence Classification	Target Organ	SF Source
Berylium	Oral (SFo)	4.3	B2	Whole body	IRIS, 1997
	Inhalation (SFi)	8.4	B2	Lung	Converted from SFo
Benzo(a)pyrene	Oral (SFo)	7.3	B2	Skin	IRIS, 1997
	Inhalation (SFi)	7.3	B2	Lung	RE
Benzo(b)fluoranthene	Oral (SFo)	7.30E-01	B2	Skin	NCEA
	Inhalation (SFi)	7.30E-01	B2	Lung	RE

IRIS: Integrated Risk Information Systems

NCEA: USEPA National Center for Environmental Assessment

RE: Route Extrapolation

Table 7-5
COPC Toxicity Values for Potential Noncarcinergenic Effects
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

COPC	Route	Reference Dose (RfD) (mg/kg-day)	Type	Target Organ	SF Source
Barium	Oral (RfDo)	7.00E-02	Subchronic to Chronic	Blood, Reproductive System	IRIS, 1997
	Inhalation (RfDi)	NA			IRIS, 1997
Beryllium	Oral (RfDo)	5.00E-03	Chronic	NA	IRIS, 1997
	Inhalation (RfDi)	NA	NA	NA	IRIS, 1997
Manganese	Oral (RfDo)	1.40E-01	Chronic	CNS	IRIS, 1997
	Inhalation (RfDi)	5.00E-05	Chronic	Neuro-behavioral Function	IRIS, 1997

IRIS: Integrated Risk Information Systems

NA: Not available

CNS: Central Nervers System

Table 7-6
Calculation of Volatilization Factor
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

$$VF\ (m^3/kg) = \frac{Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4}\ (m^2/cm^2)}{(2 \times \rho_b \times D_A)}$$

Where

$$D_A = \frac{\left[(\theta_a^{10/3} D_i H' + \theta_w^{10/3} D_w)/n^2\right]}{\rho_b K_D + \theta_w + \theta_a H'}$$

Parameter	Definition (units)	Benzo(a)pyrene	Benzo(k)fluoranthene	Source
VF	Volatilization factor (m^3/kg)	2.03×10^7	2.69×10^7	Calculated
D_{ei}	Apparent diffusivity (cm^2/s)	2.14×10^{-11}	1.21×10^{-11}	Calculated
Q/C	Inverse of the mean concentration at the center of the FTA No. 4 (g/cm^2-s per kg/m^3)	50.77	50.77	EPA, 1996
T	Exposure interval (s)	9.5×10^8	9.5×10^8	EPA, 1996
ρ_b	Dry soil bulk density (g/cm^3)	1.5	1.5	EPA, 1996
θ_a	Air-filled soil porosity (L_{air}/L_{soil})	$n-\theta_w$	$n-\theta_w$	EPA, 1996
n	Total soil porosity (L_{pore}/L_{soil})	$1-(\rho_b/\rho_s)$	$1-(\rho_b/\rho_s)$	EPA, 1996
θ_w	Water-filled soil porosity (L_{water}/L_{soil})	0.15	0.15	EPA, 1996
ρ_s	Soil particle density (g/cm^3)	2.65	2.65	EPA, 1996
D_i	Diffusivity in air (cm^2/s)	4.3×10^{-2}	2.3×10^{-2}	EPA, 1996
H_i	Dimensionless Henry's law constant	6.31×10^{-5}	3.40×10^{-5}	EPA, 1996
D_w	Diffusivity in water (cm^2/s)	9×10^{-6}	5.56×10^{-6}	EPA, 1996
K_d	Soil-water partition coefficient (cm^3/g)=$K_{oc}f_{oc}$(organics)	7.38×10^3	6.12×10^3	Koc X foc
K_{oc}	Soil organic carbon partition (cm^3/g)	1.23×10^6	1.02×10^6	EPA, 1996
f_{oc}	Fraction organic carbon in soil (g/g)	0.006	0.006	EPA, 1996

Table 7-7
Calculation of Particulate Emission Factor
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

$$PEF\ (m^3/kg) = Q/C \times \frac{3{,}600\ s/h}{0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x)}$$

Parameter	Definition (units)	Value	Source
PEF	Particulate emission factor (m^3/kg)	1.66E+08	Calculated
Q/C	Inverse of the mean concentration at the center of the FTA No. 4 (g/cm^2-s per kg/m^3)	50.77	EPA, 1996
V	Fraction of vegetative cover (unitless)	0.5	EPA, 1996
U_m	Mean annual windspeed (m/s)	3.58	Site Data
U_t	Equivalent threshold value of windspeed at 7 m (m/s)	11.32	EPA, 1996
F(x)	Function dependent on U_m/U_t derived using Cowherd et al. (1985) (unitless)	0.194	EPA, 1996

Table 7-8
Risk Calculation Method
Exposure Media: Surface and Subsurface Soil
Receptors: Military Personnel, Construction Workers, and Visitors/Trespassers
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

CARCINOGENIC RISK:

$$\text{Cancer Risk} = \frac{CS \times EF \times ED \times [\{IRs \times SFo \times E\text{-}6\ mg/kg\} + \{IRi \times SFi \times (1/VF + 1/PEF)\}]}{BW \times AT}$$

where:

CS	=	Chemical concentration in soil (mg/kg)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
IRs	=	Soil ingestion rate (mg/day)
SFo	=	Oral cancer slope factor (1/mg/Kg/day)
IRi	=	Inhalation rate (m^3/day)
SFi	=	Inhalation cancer slope factor (1/mg/Kg/day)
VF	=	Volatilization factor (unitless)
PEF	=	Particle emission Factor (m^3/kg)
BW	=	Body weight (kg)
AT	=	Average time (period over which exposure is averaged, days)

Assumptions (Carcinogens)	Military Personnel	Construction Worker	Visitor/Trespasser
Ingestion rate (mg/day)	100	200	100
Inhalation rate (m^3/day)	20	20	20
Exposure frequency (days/year)	15.6	45	50
Exposure duration (years)	30	1	30
Averaging time (days)	25,500	25,500	25,500
Body weight (kg)	70	70	70
SFo (1/mg/Kg/day)	Chemical Specific	Chemical Specific	Chemical Specific
SFi (1/mg/Kg/day)	Chemical Specific	Chemical Specific	Chemical Specific
Volatilization factor (m^3/kg)	Chemical Specific	Chemical Specific	Chemical Specific
Particle emission factor (m^3/kg)	1.66E+08	1.66E+08	1.66E+08

NON-CARCINOGENIC RISK:

$$\text{Hazard Index} = \frac{CS \times EF \times ED \times [\{IRs \times 1/RfDo \times E\text{-}6\ mg/kg\} + \{IRi \times 1/RfDi \times (1/VF + 1/PEF)\}]}{BW \times AT}$$

where:

CS	=	Chemical concentration in soil (mg/kg)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
IRs	=	Soil ingestion rate (mg/day)
RfDo	=	Oral reference dose (mg/Kg/day)
IRi	=	Inhalation rate (m^3/day)
RfDi	=	Inhalation reference dose (mg/Kg/day)
VF	=	Volatilization factor (unitless)
PEF	=	Particle emission factor (m^3/kg)
BW	=	Body weight (kg)
AT	=	Average time (period over which exposure is averaged, days)

Assumptions (Noncarcinogens)	Military Personnel	Construction Worker	Visitor/Trespasser
Ingestion rate (mg/day)	100	200	100
Inhalation rate (m^3/day)	20	20	20
Exposure frequency (days/year)	15.6	45	100
Exposure duration (years)	30	1	5
Averaging time (days)	=ED	=ED	=ED
Body weight (kg)	70	70	70
RfDo (mg/Kg/day)	Chemical Specific	Chemical Specific	Chemical Specific
RfDi (mg/Kg/day)	Chemical Specific	Chemical Specific	Chemical Specific
Volatilization Factor (m^3/kg)	Chemical Specific	Chemical Specific	Chemical Specific
Particle emission factor (m^3/kg)	1.66E+08	1.66E+08	1.66E+08

Table 7-9
Cancer Risk Estimates
Exposure Medium: Surface Soil
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Receptor	COPC	Mean Concentration (mg/kg)	95% UCL Concentration (mg/kg)	VF (m^3/kg)	PEF (m^3/kg)	Cancer Risk: Average	Cancer Risk: RME
Military Personnel	Beryllium	4.56E-01	5.00E-01	NV	1.66E+08	5.20E-08	5.65E-08
	Benzo(a)pyrene	5.56E-02	1.23E-01	2.03E+07	1.66E+08	1.08E-08	2.38E-08
	Benzo(b)fluoranthene	7.66E-02	1.55E-01	2.69E+07	1.66E+08	1.48E-09	2.99E-09
Construction Worker	Beryllium	4.56E-01	5.00E-01	NV	1.66E+08	9.97E-09	1.08E-08
	Benzo(a)pyrene	5.56E-02	1.23E-01	2.03E+07	1.66E+08	2.05E-09	4.54E-09
	Benzo(b)fluoranthene	7.66E-02	1.55E-01	2.69E+07	1.66E+08	2.83E-10	5.72E-10
Visitor/Trespasser	Beryllium	4.56E-01	5.00E-01	NV	1.66E+08	1.66E-07	1.81E-07
	Benzo(a)pyrene	5.56E-02	1.23E-01	2.03E+07	1.66E+08	3.44E-08	7.61E-08
	Benzo(b)fluoranthene	7.66E-02	1.55E-01	2.69E+07	1.66E+08	4.73E-09	9.57E-09

NV = Not Volatile

Table 7-10
Noncancer Hazard Quotient Estimates
Exposure Medium: Surface Soil
Fire Training Area No. 4
Cannon Air force Base, New Mexico

Receptor	COPC	Mean Concentration (mg/kg)	95% UCL Concentration (mg/kg)	PEF (m^3/kg)	Hazard Quotient: Average	Hazard Quotient: RME
Military Personnel	Barium	1.08E+02	1.28E+02	1.66E+08	9.41E-05	1.11E-04
	Beryllium	4.60E-01	5.00E-01	1.66E+08	5.63E-06	6.12E-06
	Manganese	1.92E+02	2.57E+02	1.66E+08	8.38E-05	1.12E-04
Construction Workers	Barium	1.08E+02	1.28E+02	1.66E+08	5.42E-04	6.42E-04
	Beryllium	4.60E-01	5.00E-01	1.66E+08	3.24E-05	3.52E-05
	Manganese	1.92E+02	2.57E+02	1.66E+08	4.83E-04	6.46E-04
Visitor/Trespasser	Barium	1.08E+02	1.28E+02	1.66E+08	3.01E-04	3.57E-04
	Beryllium	4.60E-01	5.00E-01	1.66E+08	1.80E-05	1.96E-05
	Manganese	1.92E+02	2.57E+02	1.66E+08	2.68E-04	3.59E-04

Table 7-11
Cancer Risk Estimates
Exposure Medium: Subsurface Soil
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Receptor	COPC	Mean Concentration (mg/kg)	95% UCL Concentration (mg/kg)	VF (m^3/kg)	PEF (m^3/kg)	Cancer Risk: Average	Cancer Risk: RME
Construction Workers	Beryllium	3.21E-01	3.48E-01	NV	1.66E+08	6.93E-09	7.58E-09
	Benzo(a)pyrene	1.96E-02	2.28E-02	2.03E+07	1.66E+08	7.24E-10	8.42E-10
	Benzo(b)fluoranthene	3.26E-02	3.65E-02	2.69E+07	1.66E+08	1.20E-10	1.35E-10

NV = Not volatile

Table 7-12
Noncancer Hazard Quotient Estimates
Exposure Medium: Subsurface Soil
Fire Training Area No. 4
Cannon Air force Base, New Mexico

Receptor	COPC	Mean Concentration (mg/kg)	95% UCL Concentration (mg/kg)	PEF (m^3/kg)	Hazard Quotient: Average	Hazard Quotient: RME
Construction Worker	Barium	2.25E+02	2.95E+02	1.66E+08	1.13E-03	1.48E-03
	Beryllium	3.20E-01	3.50E-01	1.66E+08	2.26E-05	2.47E-05
	Manganese	5.17E+01	5.84E+01	1.66E+08	1.30E-04	1.47E-04

Table 7-13
Total Cancer or Noncancer Risk Estimates
Exposure Medium: Surface and Subsurface Soil
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Receptor	COPC	Cancer Risk: Average	Cancer Risk: RME	Noncancer HQ: Average	Noncancer HQ: RME
Construction Workers	Barium	NA	NA	1.68E-03	2.13E-03
	Beryllium	1.69E-08	1.84E-08	3.24E-05	3.52E-05
	Manganese	NA	NA	6.13E-04	7.93E-04
	Benzo(a)pyrene	2.78E-09	5.39E-09	NA	NA
	Benzo(b)fluoranthene	4.03E-10	7.07E-10	NA	NA
Military Personnel and Construction Worker	Barium	NA	NA	1.77E-03	2.24E-03
	Beryllium	6.89E-08	7.49E-08	3.80E-05	4.13E-05
	Manganese	NA	NA	6.97E-04	9.06E-04
	Benzo(a)pyrene	1.35E-08	2.92E-08	NA	NA
	Benzo(b)fluoranthene	1.88E-09	3.70E-09	NA	NA

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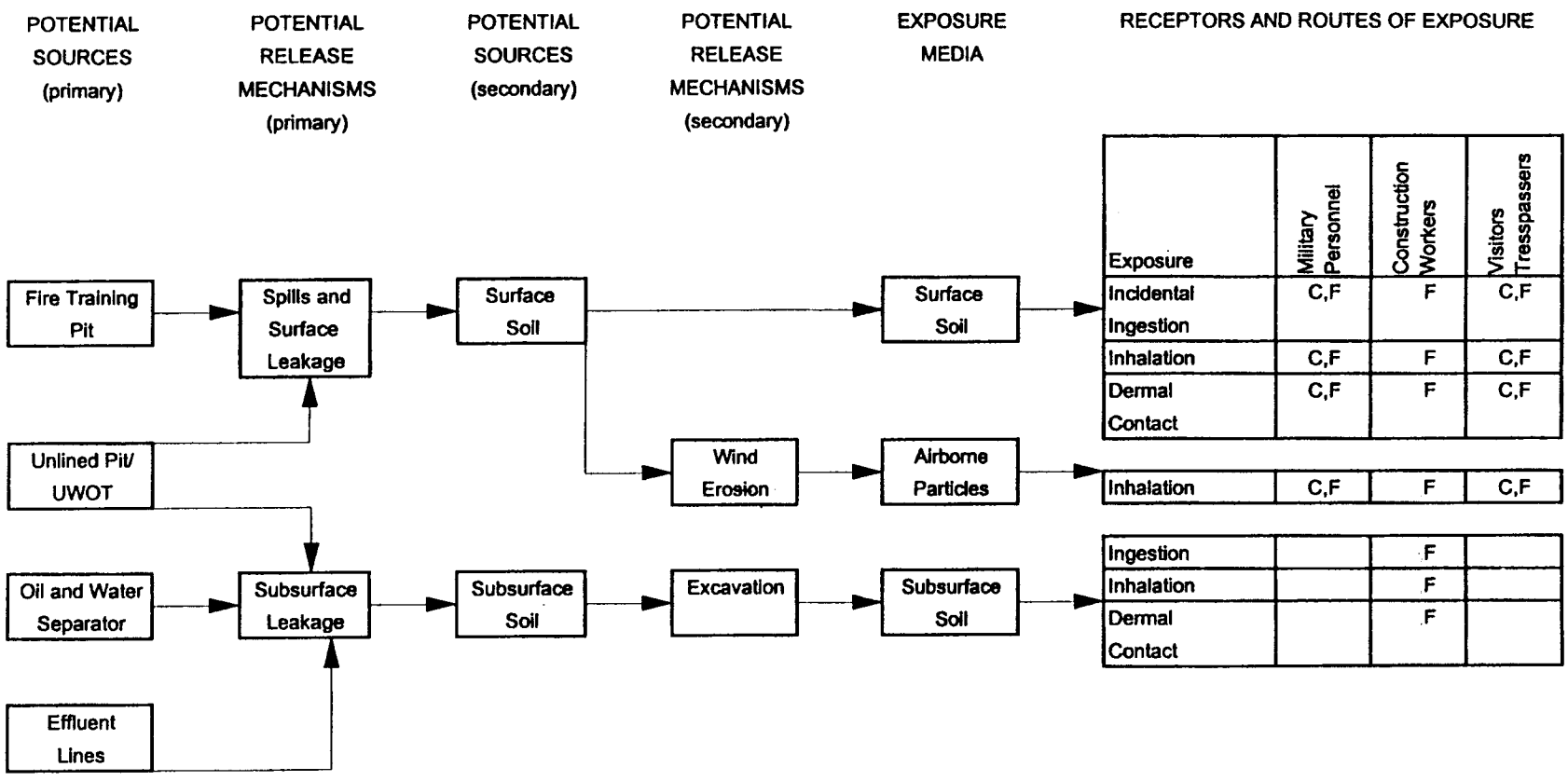

Key:

C= Complete Under Current Conditions

F= Complete Under Potential Future Conditions

Figure 7-1

HEALTH RISK ASSESSMENT CONCEPTUAL SITE MODEL

FIRE TRAINING AREA No. 4

RCRA FACILITY INVESTIGATION

Cannon AFB, New Mexico

HARZA *Consulting Engineers and Scientists*

8.0 ENVIRONMENTAL ASSESSMENT

8.0 ENVIRONMENTAL ASSESSMENT

The objective of this environmental assessment is to evaluate the potential for biological resources in the vicinity of FTA4 to be adversely affected by contaminants at the site. This evaluation uses the guidance provided by the U.S. Army Corps of Engineers for a screening-level environmental assessment (USACE 1996). Herein we summarize the ecological setting, identify chemicals of ecological concern (COECs) and receptors, and present a conceptual site model for exposure pathways.

8.1 ECOLOGICAL SETTING

Land adjacent to Cannon AFB is primarily used for agriculture and little natural vegetation remains in the area. The wildlife species that are common to agricultural areas throughout the region include bobwhite quail and pheasant. The few playa lakes in the area are used by upland game for cover, by waterfowl for resting and feeding, and by wildlife in general for drinking. Nearby riverbeds also provide water sources during rainy seasons. During periods of low rainfall, the riverbeds are dry.

The climate of the Base area is considered to be semiarid. The thin layer of topsoil in the vicinity of Cannon AFB is sandy loam, which is highly susceptible to wind erosion. The undisturbed natural vegetation is mostly shortgrass prairie, including blue grama grassland and mixed grama grassland vegetation types.

Much of the study area has been previously cleared for agricultural crops. The predominant land use of the region is rangeland, primarily for cattle grazing. In general, moderately grazed rangeland areas of the types occurring in the project area are highly productive in terms of both forage quality and quantity. The rangeland in the vicinity may support up to 15 to 20 head of cattle per section, depending on the rainfall. Large trees do not uniformly exist in the vicinity of the range except where planted around buildings and other structures on the Base. Woodlands composed of large shrubs and small trees are confined to riparian areas and playa lakes in the vicinity.

The eastern New Mexico area contains many nongame wildlife species that are typical of the High Plains. Most of these species are distributed widely throughout the western United States. Wildlife diversity is low in most areas because of the low vegetation diversity. Most amphibian species are associated with riparian habitats and playa lakes. Reptiles are found in all terrestrial habitat types but are most abundant in scrub/grasslands. Nocturnal rodents are the most abundant members of the small mammal community.

Grasslands on the High Plains support a variety of seed-eating sparrows and other ground-dwelling birds, both as residents and migrants. Raptors (hawks and owls) are relatively abundant in all habitats in the region. Insectivorous and tree nesting species are most abundant in riparian areas. Shorebirds and waterbirds and migratory waterfowl in general use the rivers, playa lakes, and reservoirs of the region.

Big-game species in the area include mule deer, white-tailed deer, pronghorn, and barbary sheep. Pronghorn are the most abundant game animal in the area. Several species of upland game such as quail, ring-necked pheasant, and turkey are common in the area.

We contacted the New Mexico Department of Game and Fish, Conservation Services Division, to obtain the most recent information on protected animal species that might be found in Curry County. The federal- and state-protected species are summarized in Table 8-1.

Texas horned lizard, or horny toad, is not protected but is of concern at the federal level. This animal is known to occur in Curry County and has recently been found at Cannon AFB. They inhabit open areas with sparse vegetation, digging dens for hibernation, nesting and insulation, in loose sand or loamy soils. They are insectivores and prefer to eat harvester ants.

Three of the four state-protected birds known to occur in the vicinity of Cannon AFB are the raptors ferruginous hawk, bald eagle and peregrine falcon. The ferruginous hawk may be found as either a winter migrant or a year-round resident. The bald eagle migrates and winters from the northern border of New Mexico to the Gila, lower Rio Grande, middle Pecos, and Canadian valleys. It is seen occasionally in summer and as a breeding bird, with nests reported in the extreme northern and western parts of the state. Winter and migrant populations appear to have increased with reservoir construction. The peregrine falcon is widely distributed but population numbers are low but increasing. The American subspecies breeds statewide in New Mexico, but mainly west of the eastern plains. The protected songbird Baird's sparrow migrates through the area during autumn and may breed in New Mexico. Baird's sparrow is a grassland bird, eating seeds of grasses and forbs, as well as insects. Its numbers continue to decline.

Protected mammals that still live in the state include the Plains pocket gopher and swift fox. The Plains pocket gopher inhabits sandy or loamy soils, where burrowing is easier. While it has been found in alfalfa fields, the shortgrass prairie is its normal habitat, where it feeds primarily on grass seeds. The swift fox is closely related to the kit fox, and may hybridize with kit fox in eastern New Mexico and western Texas. The fox is largely nocturnal, eating rodents, insects, lizards and vegetation. Dens are burrowed in sandy loam soils and they are used year-round. Its numbers have diminished due to habitat loss and the taking of poisoned bait.

8.2 CHEMICALS OF ECOLOGICAL CONCERN

Soil analytical data collected by Harza in this RFI was reviewed and screened to identify chemicals that may be released from the site, expose organisms at the site, and cause adverse effects. Chemicals of ecological concern (COECs) were selected through a six-step screening procedure:

1. Chemicals that were not detected in at least one soil sample were eliminated from further consideration.

2. Chemicals that were deemed to be laboratory contaminants were eliminated from further consideration.

3. Samples with contaminant concentrations less than the ecotoxicity threshold concentrations of the USEPA Region 3 BTAG (Biological Technical Advisory Group (USEPA, Draft, 1995) were deemed to present no risk and were eliminated from further consideration.

4. Samples with contaminants present at concentrations less than Cannon AFB background concentrations, were deemed to present no risk and were eliminated from further consideration.

5. Samples collected below three feet were eliminated as an exposure pathway to animals, as most burrowing animals at the site will not burrow deeper than this depth. Soils below five feet were eliminated as an exposure pathway to plants.

6. Non-biomagnifying chemicals above background or ecotoxicity thresholds but were limited in occurrence to a single sample site do not represent a significant exposure pathway, and were eliminated from further consideration.

Tables 8-2 and 8-3 present data from this screening process. Chemicals passing this initial screening process include phenanthrene, fluoranthene, pyrene, benzo(k)fluoranthene, iron and zinc (Table 8-4). Iron, while exceeding Cannon AFB background concentrations 6 out of 22 times tested for, is well within the levels expected for general terrestrial soils, about 4% by weight (40,000 mg/kg). Also, iron is a minor essential element for receptor plants and animals. On these bases, iron is not considered to represent significant adverse risk and was eliminated from further consideration.

8.3 IDENTIFICATION OF POTENTIAL RECEPTORS

FTA4 and the surrounding land is open, poorly vegetated and is maintained for military activities. Being adjacent to the runway clear zone, the site offers very limited habitat for wildlife. Common receptors would include plants, insects, soil invertebrates, reptiles and small mammals. Birds are also present and potentially at risk, both from directly ingesting contaminated soil and ingesting contaminated seeds and prey animals. If bioaccumulating contaminants were present, additional receptors potentially at risk would include snakes and lizards, raptors and some mammals (e.g. skunk, coyote, etc.).

Animals potentially at highest risk are small borrowing mammals. These animals are among the more common animals likely to be in the vicinity of FTA4 and are exposed through inhalation, dermal contact and ingestion pathways. Given this, the deer mouse, a species for which ecotoxicity data is available, was selected as the indictor organism. Deer mouse is a common prey item for higher organisms such as raptors and likely has similar exposures routes as other small mammals, including species of special management interest (Plains pocket gopher).

Figure 8-1 illustrates a conceptual ecological model developed for the site. Because the COECs

are not volatile (Section 6.2.1) and wind entrainment of soils are believed to be minor, inhalation exposures are deemed negligible. Surface runoff from the site is believed to also be negligible, as field visits indicated no evidence of runoff. Most rainfall is lost to evapotranspiration, however some infiltration which may leach some contaminants into subsurface soils. However, based upon the fate and transport characteristic of the COECs, groundwater does not present an exposure pathway. Therefore, the only significant exposure pathway present at the site involves direct contact to contaminants in soil.

8.4 EXPOSURE AND EFFECTS CHARACTERIZATION

Given the conceptual site model (Figure 8-1), the assessment endpoint for this evaluation is the mortality of the deer mouse population. The corresponding measurement endpoint is chemical toxicity, obtained from published literature.

8.4.1 Exposure Evaluation

The risk screening evaluation focuses on those pathways with maximum exposure potential based on professional judgement. Exposure is estimated with respect to the magnitude, duration and frequency of exposures, to derive an estimate of chemical intake. Chemical intake is generally estimated for terrestrial consumers such as deer mouse as a product of chemical concentration and intake/exposure factors. Standard reference body data are taken from SRC (1985) and included in Table 8-5.

In a study in Colorado of deer mouse in shortgrass prairie habitat (Flake 1973), their diet was composed of 66% plant material (seeds, forbs, grasses, sedges, and shrubs) and 34% arthropods (beetles, grasshoppers, leafhoppers, lepidopterans, and spiders). While few studies have been done on these arthropods, PNAs do not generally bioaccumulate in terrestrial organisms. Beyer and Stafford (1993) found PNAs in earthworms to be well below those levels found in soil. Lead is also found in diminishing concentrations at increased trophic order (Pain 1995). Therefore, a conservative assumption was made that all COECs in the deer mouse diet are derived from plants. Further, in arid areas such as New Mexico, up to 100% of a deer mouse's water requirements may be met through its diet (USACE 1996) and contaminant intake via drinking will be minimal and was not considered further.

Contaminant concentrations in plant material at the site were estimated using bioaccumulation factors, defined as the dry weight ratio of the contaminant in plant tissue to that in soil, and are presented in Table 8-7. Polynuclear Aromatic Hydrocarbons (PNAs) in general have limited entry into plant roots and minimal translocation once inside the plant (Will and Suter 1994). Most researchers agree that the primary route for entry of PNAs into terrestrial plants is through foliar deposition and absorption, and is generally significant only in areas adjacent to atmospheric sources. In his review of PNA environmental hazards, Eisler (1987) stated that lower molecular weight PNAs are absorbed by plants more readily than higher molecular weight PNA compounds. In addition, plant PNA uptake is governed by PNA concentration, water solubility, and soil type. Edwards (1983) reviewed PNA fate in the terrestrial environment, and cited numerous studies of

PNA accumulation by plants. Most of those studies relied on benzo(a)pyrene (BaP) as their PNA of interest. The average bioaccumulation factor for nine studies of BaP cited by Edwards (1983) was 0.022, ranging from 0.00012 to 0.085. When mixtures of multiple PNAs were cited, as they were in 11 studies, the average bioaccumulation factor was 0.087, and ranged from 0.0011 to 0.224. Given these data and the physiochemical characteristics of the PNA COECs (Table 8-6), a bioaccumulation factor of 0.1 was selected for all four PNA COECs. As a final note in estimating plant bioaccumulation factors for PNAs, most plants can catabolize BaP and possibly other PNAs, but metabolic pathways have not yet been clearly defined. The bioaccumulation factor for zinc was taken from Bohn *et al.* 1979.

Daily intake estimates of COECs for deer mouse are given in Table 8-8. COEC dietary intake was estimated as the product of plant COEC concentration and food intake. COEC dose from incidental soil ingestion was estimated as the product of the maximum COEC concentration in soil and 2% of the food intake. Finally, the intake was converted to a body weight basis by dividing by 30 g, the weight of a reference deer mouse.

8.4.2 Effects Evaluation

An evaluation of effects is based upon appropriate reference toxicity values (RTV), developed from published literature. The RTV ideally corresponds to the measurement endpoint, or chemical toxicity to deer mouse. RTVs for each of the COECs are included in Table 8-9.

Chronic oral toxicity values for acenaphthene and pyrene were obtained from USEPA's Integrated Risk Information System (IRIS). The NOAEL oral reference dose for fluoranthene cited in IRIS is 125 mg/kg/d, derived from mouse subchronic studies. Assuming an uncertainty factor of 10, to account for study duration uncertainty, an RTV of 12.5 mg/kg/d was derived. Similarly for pyrene, the oral does for NOAEL in IRIS is 75 mg/kg/d, also from mouse studies. Again an uncertainty factor of 10 was applied to derive a RTV of 7.5 mg/kg/d.

IRIS however does not contain RTVs for phenanthrene, benzo(k)fluoranthene and lead. Based on the physiochemical data for PNAs (Table 8-6), an oral RTV for benzo(k)fluoranthene was derived from the NOAEL for benzo(a)pyrene given by Opresko *et al.* (1994) as 1.108 mg/kg/d for white-footed mouse. We applied an uncertainty factor of ten to this value, estimating the RTV at 0.111 mg/kg/d. The oral RTV for phenanthrene was taken as one-half that of fluoranthene, applying an uncertainty factor of 10 for phenanthrene. Opresko et al. (1994) also provides NOAEL doses for zinc when white-footed mouse is the endpoint species. The NOAEL for zinc is 398.7 mg/kg-d. Again, using an uncertainty factor of 10, the RTV for zinc is 39.9 mg/kg/d.

8.5 RISK AND UNCERTAINTY CHARACTERIZATION

Risk characterization is based on a hazard quotient approach; all computational methods are found in USACE (1996). Similar to the assessment of risk to human health, the potential for adverse ecological effects, that is, the hazard quotient (HQ), is the ratio of the estimated exposure to the RTV, or:

$$HQ = \frac{ADI}{RTV}$$

HQs for chemicals causing the same type of adverse effect are summed to give a hazard index (HI). A HQ or HI greater than 1 indicates that adverse effects may be possible. Based on available data, current ecological risk assessment methods indicate that the deer mouse population at FTA4 is not at significant risk from chemical contaminants of concern in the soil. This screening-level ecological risk assessment indicates a hazard quotient for pyrene of 0.004. Hazard quotients for other COECs are: 0.002 for fluoranthene, 0.002 for phenanthrene, 0.12 for benzo(k)fluoranthene, and 0.01 for zinc. When more than one contaminant is involved in the risk calculation, and if the contaminants exhibit consistent modes of toxicity and effects on endpoints, then it is appropriate to sum the hazard quotients to compute a hazard index. The ecological hazard index for FTA4 is 0.14, which suggests that the likelihood of adverse ecological effects occurring at the site from the COECs is low. In summary, the screening of ecological risk at FTA4 indicates a low potential for adverse ecological effects. Further, this is a conservative estimation and significant uncertainties are inherent to this risk estimate.

Uncertainties and limitations are intrinsic to new tools such as ecological risk assessment, particularly when applied at the screening level such as this. This uncertainty represents a lack of adequate information about factors such as adverse effects of COECs on receptor organisms. We took precautions to make conservative assumptions whenever possible, so as to not underestimate risks. For purposes of the assessment, the maximum concentrations of COECs in soil were used rather than the 95% upper confidence level, which given the general distribution of concentrations and numbers of samples, is more conservative. We assumed that the only significant exposure pathway present at the site involves plants and animals that come directly in contact with the soil. Therefore, ingestion was the only exposure pathway considered in our estimate. Dermal and inhalation pathways were not included, as the potential significance of PNA or zinc uptake from these exposure routed is judged to be negligible. This assessment was limited to the chemicals analyzed, and through a screening procedure, risk was estimated for chemicals judged to present the greatest potential hazard. Further, the assessment focused on potential risk to the deer mouse, as the indicator species. It was judged that if the mice were not at risk, then other biota of concern at the site (e.g raptors), would not be at risk as long as the chemicals of concern did not bioaccumulate to higher trophic levels.

Table 8-1
Federal and State Protected Animals Potentially Occurring in the Vicinity of Cannon Air Force Base
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Common Name	Scientific Name	Federal Status	State Status
Reptiles			
Texas horned lizard	Phrynosama cornutum	C2	
Birds			
Baird's sparrow	Ammodramus bairdii	C2	Threatened
Ferruginous hawk	Buteo regalis	C2	
Bald eagle	Haliaeetus leucocephalus	Threatened	Threatened
Peregrine falcon	Falco peregrinus	Endangered	Endangered
Mammals			
Plains pocket gopher	Geomys burarius	C2	
Swift fox	Vulpes velox	C	
American bison	Bos bison		Extirpated
Merriam's elk	Cervus elaphus merriami	Extinct	
Gray wolf	Canis lupus	Endangered	Extirpated
Black-footed ferret	Mustela nigripes	Endangered	Extirpated

Endangered	Species whose prospects of survival or recruitment within the state are in jeopardy
Threatened	Species whose prospects of survival or recruitment within the state are likely to become jeopadized in the foreseeable future
C	Proposed as a candidate for listing
C2	Of concern, but has no legal standing or protection
Extirpated	No longer living in the state

Table 8-2
Screening Levels, Frequency of Detection and Exceedence of Screening Levels for Soil Organic Contaminants
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Media-Specific Screening Levels for Soil (µg/kg)	Range of Concentrations Detected (µg/kg)	Frequency of Detection	Frequency of Exceedance
VOAs				
Toluene	100	0.84 U- 1.9 J	3/26	0/26
Ethylbenzene	100	0.73 U - 1,780	1/26	1/26
m & p-Xylene	100	1.2 U - 4,130	4/26	1/26
o-Xylene	100	0.48 U - 367 J	2/26	1/26
Isopropylbenzene	---	0.69 U - 1,430	1/26	---
n-Propylbenzene	---	0.61-3,320	1/26	---
1,3,5 Trimethylbenzene	---	0.52 U - 9,250	1/26	---
1,2,4 Trimethylbenzene	---	0.73 U - 22,800	1/26	---
p-Isopropyltoluene	---	0.64 U - 7,030	1/26	---
n-Butylbenzene	---	1.0 U - 4,620	1/26	---
Naphthalene	100	1.8 U - 4,830	1/26	1/26
BNAs				
Naphthalene	100	1.8 U - 2,200	1/26	1/26
2-Methylnaphthalene	---	38.0 U - 11,700	1/26	---
Dibenzofuran	---	36.0 U - 143 J	1/26	---
Fluorene	100	29.6 U - 88.6 J	1/26	0/26
Phenanthrene	100	32.0 U - 559 J	3/26	3/26
Fluoranthene	100	29.6 U - 1,230 J	4/26	3/26
Pyrene	100	29.6 U - 1,340 J	4/26	3/26
Benzo(a)Anthracene	100	25.3 U - 565 J	3/26	1/26
Chrysene	100	26.4 U - 688 J	4/26	1/26
Bis(2-Ethylhexyl) Phthalate	---	32.8 U - 63.7 J	1/19	---
Benzo(b)Fluoranthene	100	56.0 U - 895 J	2/26	1/26
Benzo(k)Fluoranthene	100	69.7 U - 636 J	2/26	2/26
Benzo(a)Pyrene	100	30.6 U - 750 J	2/26	1/26
Indeno(1,2,3-cd)Pyrene	100	33.3 U - 224 J	1/26	1/26

Shading indicates more than a single detection above the screening level.

Table 8-3
Screening Levels, Frequency of Detection and Exceedence of Media-Specific Screening Levels for Soil Inorganic Contaminants
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Analytes	Background * Concentration (mg/kg)	BTAG Screening Levels for Soil (mg/kg)	Range of Concentrations Detected (mg/kg)	Frequency of Detection	Frequency of Exceedance
Aluminum	9,370	1	1,230-9,990	26/26	1/26
Antimony	17	0.48	2.1 UJ - 6.2	22/26	0/26
Arsenic	8.5	328	0.65-2.9	26/26	0/26
Barium	856	440	49.5-623	26/26	0/26
Beryllium	0.64	0.02	0.13-0.64	26/26	0/26
Cadmium	3.1	2.5	0.53 U - 0.61 U	0/26	0/26
Calcium	172,000	---	1,580-253,000	26/26	---
Chromium	11.6	0.02	2.2-10.6	26/26	0/26
Cobalt	3.9	100	1.1-5.4	26/26	0/26
Copper	10.1	15	1.8 U - 14.6 J	26/26	0/26
Iron	7,960	3,260	2,000-10,700	26/26	6/26
Lead	28	2	1.0-21.5	26/26	0/26
Magnesium	10,300	---	702-2,700	26/26	---
Manganese	150	330	18.8-1,350	26/26	1/26
Mercury	0.06	0.058	0.084 U - 0.097 U	0/26	U
Nickel	9.6	2	3.3 J - 28.3 J	26/26	1/26
Potassium	2,120	---	285-1,950	26/26	---
Selenium	48.1	1.8	0.028 U - 0.15	13/26	0/26
Silver	1.05	0.0000098	0.52 U -0.61 U	0/26	0/26
Sodium	545	---	43.8 U - 163	24/26	0/26
Thallium	3.9	---	0.10 U - 0.12 U	0/26	0/26
Vanadium	21.5	0.5	7.4-21.3	26/26	0/26
Zinc	19.5	10	4.9-24.4	26/26	6/26
Cyanide, Total		0.005	0.51 U - 0.61 U	0/26	U

* 95th percentile, calculated from a set of data collected in the vicinity of the CAFB. Source: Concentrations of Selected Naturally Occurring Chemcial Constituents in Soil and Groundwater at Cannon Air Force Base, Clovis, New Mexico, March, 1994.

Shading denotes more than a single detection above both background as well as the screening levels.

Table 8-4
Preliminary List of Chemicals of Potential Ecological Concern
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemical	Sample Locations Present
Phenanthrene	SB01, SB11
Fluoranthene	SB01, SB11
Pyrene	SB01, SB11
Benzo(k)fluoranthene	SB11, SB16
Iron	SB02, SB07, SB12, SB17, SB18, SB19
Zinc	SB01, SB02, SB07, SB17, SB18, SB19

Table 8-5
Reference Values for Deer Mouse
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Reference	Value
Body weight	30 g
Food Intake	5.5 g/d
Water Intake	7.5 mL/d
Incidental Soil Intake	2% of Food Intake

Table 8-6
Physiochemical Data for Selected Polynuclear Aromatic Hydrocarbons
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemical	# Rings	Mol. Wt.	Water Solubility	Log K_{ow}
Benzo(a)pyrene	5	252	0.0038 mg/L	6.04
Fluoranthene	4	202	0.0002 mg/L	4.90
Phenanthrene	3	178	0.001 mg/L	4.46
Pyrene	4	202	0.00013 mg/L	4.88
Benzo(k)fluoranthene	5	252		6.06

Table 8-7
Chemicals of Ecological Concern Concentration Estimates for Plant Material
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemical	Maximum Concentration in Surface Soils	Plant Bioaccumulation Factor	Plant Concentrations
Fluoranthene	1,230 μg/kg	0.1	123 μg/kg
Phenanthrene	559 μg/kg	0.1	56 μg/kg
Pyrene	1,340 μg/kg	0.1	134 μg/kg
Benzo(k)fluoranthene	636 μg/kg	0.1	64 μg/kg
Zinc	24.4 mg/kg	0.1	2.4 mg/kg

Table 8-8
Estimated Daily Intake of Chemicals of Ecological Concern by Deer Mouse*
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemical	Intake from Food	Intake from Soil Ingestion	Intake
Fluoranthene	0.022	0.004	0.026
Phenanthrene	0.010	0.002	0.012
Pyrene	0.024	0.005	0.029
Benzo(k)fluoranthene	0.011	0.002	0.013
Zinc	0.431	0.089	0.520

* in mg/kg body weight

Table 8-9
Daily Intakes, Reference Toxicity Values and Hazard Quotients
Fire Training Area No. 4
Cannon Air Force Base, New Mexico

Chemical	Dose (mg/kg/d)	RTV (mg/kg/d)	Hazard Quotient
Fluoranthene	0.026	12.5	0.02
Phenanthrene	0.012	6.25	0.02
Pyrene	0.029	7.5	0.004
Benzo(k)fluoanthene	0.013	0.111	0.12
Zinc	0.520	39.9	0.01
		Total	0.14

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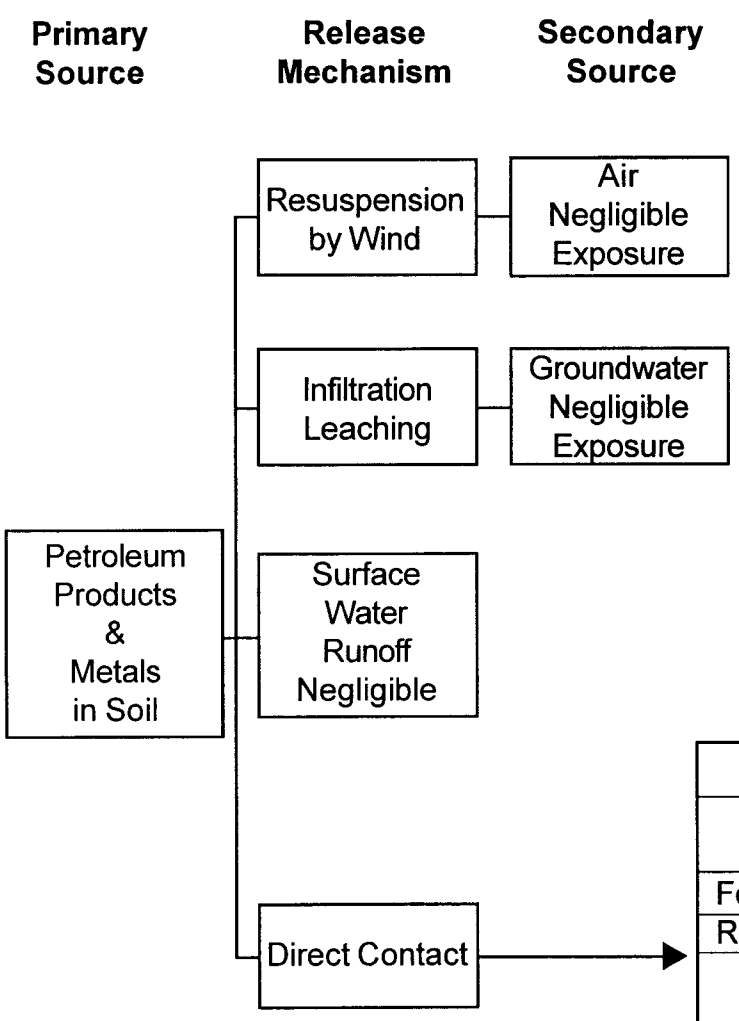

KEY TO WILDLIFE RECEPTORS OF CONCERN

1. Mammalian Herbivores
2. Mammalian Omnivores and Carnivores
3. Avian Omnivores
4. Predatory Raptors

KEY TO EXPOSURE PATHWAY SIGNIFICANCE

- **NA** Not Applicable
- **I** Incomplete
- ○ Exposure Potential Relatively Low
- ◐ Exposure Potential Intermediate
- ● Exposure Potential Relatively High

Exposure Point: Onsite Soil				
Receptors of Concern: Plants				
Foliar Deposition (Dust/Splashup)	NA			
Root Uptake	●			
Animals (See Key)				
	1	2	3	4
Direct or Indirect Ingestion	●	◐	●	I
Food Chain Exposure	●	◐	●	●

Figure 8-1

ECOLOGICAL RISK ASSESSMENT CONCEPTUAL SITE MODEL

FIRE TRAINING AREA No. 4
RCRA FACILITY INVESTIGATION
Cannon AFB, New Mexico

HARZA *Consulting Engineers and Scientists*

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.0 CONCLUSIONS AND RECOMMENDATIONS

The objectives of the RFI were to sample potentially affected media and perform the necessary analyses on a sufficient number of samples collected at appropriate locations and/or intervals to:

- Delineate the vertical and lateral extent of contamination in each contaminated media;
- Identify all contaminants of concern;
- Determine the fate and transport characteristics of each contaminant of concern;
- Perform a human health and environmental risk assessment to determine if site conditions pose a risk to human health or the environment according to USEPA policy; and
- Support a decision for no further action or the selection of corrective measures/remedial alternatives and remedial design.

Principal conclusions relative to these objectives are outlined in the following paragraphs.

9.1 NATURE AND EXTENT OF CONTAMINATION

9.1.1 Volatile Organic Compounds

VOCs were detected above the MRLs only in boring SB01 located at the former fire training pit (SWMU No. 109). VOCs detected in SB01 included toluene, ethylbenzene, m&p-xylene, o-xylene, isopropylbenzene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, p-isopropyltoluene, n-butylbenzene, 1,2-dibromo-3-chloropropane, naphthalene, and 2-butanone. Individual detections in boring SB01 were recorded at depths of 3 feet, 19 feet, 27 feet, 38 feet, 42 feet, 55 feet, and 65 feet. Where detected, concentrations of individual VOCs ranged as follows:

- toluene (17.4 - 4,370 μg/kg);
- ethylbenzene (34.6 - 7,230 μg/kg)
- m&p-xylene (166 - 34,100 μg/kg);
- o-xylene (81.1 - 18,900 μg/kg);
- isopropylbenzene (16.6 - 1,940 μg/kg);
- n-propylbenzene (29.3 - 4,450 μg/kg);
- 1,3,5-trimethylbenzene (92.6 - 15,500 μg/kg);
- 1,2,4-trimethylbenzene (11.2-41,800 μg/kg);
- sec-butylbenzene (15.6 μg/kg);
- p-isopropyltoluene (51.8 - 9,530 μg/kg);
- n-butylbenzene (26.2 - 4,620 μg/kg);
- naphthalene (10.7 - 8,580 μg/kg); and
- 2-butanone (89.8 μg/kg).

9.1.2 Semi-Volatile Organic Compounds

Semi-volatile organic compounds were detected above the MRLs only in soil boring SB01. Detection of naphthalene and 2-methylnaphthalene occurred in five instances, in soil boring SB01 at depths of 3 feet, 19 feet, 27 feet, 38 feet, and 42 feet. Detected concentrations in these samples ranged as follows: naphthalene (586 - 3,800 μg/kg) and 2-methylnaphthalene (3,500 - 11,700 μg/kg).

9.1.3 Total Recoverable Petroleum Hydrocarbons

Laboratory analytical data indicates that TRPH was detected in each of the nineteen (19) soil borings drilled in the RFI. The highest concentrations were detected in borings drilled near SWMU No. 109 (SB01, SB19, SB04, and SB11) and SWMU No. 111/112 (SB14). The highest concentrations were detected in boring SB01 at a depth of 19 feet (5,560 mg/kg), boring SB19 at a depth of 4 feet (1,530 mg/kg), boring SB04 in the surface sample (3,270 mg/kg), boring SB11 in the surface sample (14,400 mg/kg), and boring SB14 in the surface sample (1,040 mg/kg).

Detected TRPH concentrations generally decrease rapidly with depth, with the highest relative concentration in each boring detected in surficial or near-surface samples (within the upper 4 feet). This is seen in all borings with exception of boring SB01 where the highest detected concentration of TRPHs was detected at a depth of 19 feet and concentrations greater than 1,000 mg/kg were detected to a depth of 42 feet.

Field immunoassay screening data further indicates that detectable concentrations (greater than 10 ppm) were found in soil borings SB01 and SB12. In boring SB01, TRPH was detected to a depth of 65 feet. Samples collected from boring SB01 from depths of 65 feet and 73 feet indicated non-detectable concentrations (less than 10 ppm). In boring SB12, TRPH was detected at a depth of 10 feet. Samples collected from boring SB12 at a depth of 2 feet, 21 feet, and 31 feet indicated non-detectable concentrations. TRPHs were not detected in any other sample using field immunoassay screening methods. Comparison of the field immunoassay screening data with laboratory analytical data indicates a positive qualitative correlation.

9.1.4 Target Analyte List Metals

Analytical results indicated detectable concentrations of target analyte list metals in each of the nineteen (19) soil borings drilled in the RFI. Where detected, concentrations of individual compounds ranged as follows:

- aluminum (1,230 - 9,990 mg/kg);
- antimony (2.3 - 6.2 mg/kg);
- arsenic (0.6-3.3 mg/kg);
- barium (15.3 - 1,250 mg/kg);
- beryllium (0.15 - 0.74 mg/kg);
- calcium (1,680 - 253,000 mg/kg);

- chromium (2.2 - 20.9 mg/kg);
- cobalt (1.1 - 5.4 mg/kg);
- copper (1.1 - 8.4 mg/kg);
- iron (1,830 - 10,700 mg/kg);
- lead (0.91 - 21.5 mg/kg);
- magnesium (702 - 5,300 mg/kg);
- manganese (18.8 - 1,350 mg/kg);
- nickel (2.9 mg/kg - 10.7 mg/kg);
- potassium (285 - 2,360 mg/kg);
- selenium (0.067 - 0.69);
- sodium (51.3 - 860 mg/kg);
- thallium (0.12 mg/kg);
- vanadium (4.2 - 24.7 mg/kg); and
- zinc (4.5 - 27.6 mg/kg)

Concentrations generally decrease with increasing depth below the ground surface, noticeable for most of the metals analyzed (i.e. aluminum, beryllium, chromium, cobalt, copper, lead, manganese, vanadium, zinc) and especially evident in the deeper soil borings (i.e. SB01, SB17, SB18, SB19). Eleven (11) metals were detected at concentrations exceeding background concentration ranges at Cannon AFB. These included barium, beryllium, calcium, chromium, cobalt, iron, lead, manganese, nickel, silver, and zinc. For these metals, most of the elevated concentrations occur at the ground surface or within soils with a high silt/clay content. The trend of decreasing concentrations at depth below the ground surface appears to coincide with the presence of soils with increased silt and clay content. Additionally, comparison of the detected concentrations for each of these eleven metals with the background concentration ranges indicates that, in general, the detected concentrations only marginally exceed the background concentrations.

9.2 HUMAN HEALTH EVALUATION

A Human Health Risk Assessment was conducted to assess the potential adverse human health effects that could occur due to exposure to site contaminants at FTA4, in the event no action is taken to remove contaminants and/or prevents their migration. The assessment was prepared in accordance with the RAGS (USEPA, 1989). Five chemicals, barium, beryllium, manganese, benzo(a)pyrene, and benzo(b)fluorathene, were identified as COPCs and were evaluated in this risk assessment. Four categories of receptors, military personnel, visitors/trespassers, construction workers, and military personnel engaged in construction, were postulated and evaluated for exposure to the four chemicals. The result shows that the cancer or noncancer risks to any of the receptors are several orders of magnitude smaller than the regulated cancer risk of 10^{-6} or noncancer hazard quotient of 1, indicating that exposure the site contaminants is negligible. Moreover, to ensure the conservative nature of risk assessment, most of the parameters used in the risk assessment are generic, the true risks may be even less than the calculated risks. In conclusion, the site contaminants pose no significant risks to any of the populations.

9.3 ECOLOGICAL ASSESSMENT

An ecological risk assessment was performed as part of the overall RFI effort to evaluate the potential for biological resources in the vicinity of FTA4 to be adversely affected by site contaminants. Concentrations of chemicals found at FTA4 were evaluated specifically in terms of potential risks to the Deer mouse population, selected as the indicator species. The chemicals phenanthrene, fluoranthene, pyrene, beryllium, lead, and zinc were detected in site soils and were considered to be chemicals of ecological concern. Concentrations of these chemicals in soils were very low and were not considered to pose an ecological concern. The results of the ecological risk assessment are presented below.

Risk characterization is based on a hazard quotient approach (USACE 1996). This screening-level ecological risk assessment indicates a hazard quotient for pyrene of 0.004. Hazard quotients for other COECs are lower: 0.002 for fluoranthene, 0.002 for phenanthrene and 0.24 for lead. When more than one contaminant is involved in the risk calculation, and if the contaminants exhibit consistent modes of toxicity and effects on endpoints, then it is appropriate to sum the hazard quotients to compute a hazard index. The ecological hazard index for FTA4 is 0.2, which suggests that the likelihood of adverse ecological effects occuring at the site from the COECs is low. In summary, the screening of ecological risk at FTA4 indicates a low potential for adverse ecological effects. Moreover, this is a conservative estimation and the actual risks may be even less than those calculated.

9.4 RECOMMENDATIONS

Based on the results of the RFI and subsequent human health and ecological risk assessments, a "No Action" remedial alternative is recommended for FTA4, including the following SWMUs:

- SWMU No. 109 - Fire Training Pit
- SWMU No. 110 - Underground Waste Oil Tank #2336
- SWMU No. 111 - Unlined Pit; and
- SWMU No. 112 - Oil/Water Separator #2336

10.0 REFERENCES

10.0 REFERENCES

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APPENDIX A

PREVIOUS FIELD INVESTIGATION INFORMATION

TABLE 13-1

ANALYTICAL RESULTS OF SOIL SAMPLES COLLECTED BY
RADIAN AT FIRE DEPARTMENT TRAINING AREA NO. 4

SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Number	Sample Depth (Ft-BGS)	Oil and Grease (mg/kg)	Lead (mg/kg)	Purgeable Organic Compounds (EPA 8010/8020) (μg/kg)
9A-1	5.5-7.0	ND	4.1	ND
9A-2	10.5-11.5	110	39.0	ND
9A-2A[1]	10.5-11.5	280	5.3	ND
9B-1	4.0-5.5	ND	4.5	ND
9B-2	9.0-10.5	ND	3.7	ND
9B-3	43.0-45.0	37	1.3	ND

Ft-BGS = Feet below ground surface
mg/kg = Milligrams per kilogram
μg/kg = Micrograms per kilogram
ND = Not detected

[1] duplicate analysis of 9A-2

Source: Final Report, IRP Phase II (Radian 1986)

TABLE 13-2

VOLATILE ORGANIC COMPOUND CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4

SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Compound	Boring Number		
		B1	B3	B10
0-1.5	Benzene	NA	NS	1,060
	Toluene	NA	NS	762
	Total Xylene	NA	NS	6,940
2.5-4	Benzene	2,030	NS	2,140
	Ethylbenzene	1,790	NS	2,550
	Toluene	9,870	NS	14,600
	Xylene	10,900	NS	18,800
5-6.5	Benzene	4,560	NS	4,860
	Ethylbenzene	14,200	NS	2,020
	Toluene	2,870	NS	18,700
	Xylene	12,300	NS	10,400
7.5-9	Ethylbenzene	NSR	NS	2,150
	Toluene	NSR	NS	36,700
	Xylene	NSR	NS	6,880
10-11.5	Benzene	4,400	2,700	4,810
	Ethylbenzene	6,690	1,300	7,400
	Toluene	39,100	54,000	38,400
	Xylene	18,400	57,000	17,300
20-21.5	Benzene	15,200	NS	NS
	Ethylbenzene	6,220	NS	NS
	Toluene	64,000	NS	NS
	Xylene	12,500	NS	NS
25-26.5	Benzene	2,670	NS	NS
	Ethylbenzene	6,200	NS	NS
	Toluene	15,300	NS	NS
	Xylene	7,870	NS	NS

TABLE 13-2
(Concluded)

Sample Depth (Ft-BGS)	Compound	Boring Number		
		B1	B3	B10
30-31.5	Benzene	3,130	4,200	5,740
	Ethylbenzene	9,340	14,000	8,740
	Toluene	22,200	57,000	38,700
	Xylene	19,000	17,000	11,200
45-46.5	Benzene	NS	2,800	5,890
	Ethylbenzene	NS	11,000	24,400
	Toluene	NS	48,000	32,200
	Xylene	NS	10,000	66,200
55-56.5	Ethylbenzene	NS	NS	56,200
	Toluene	NS	NS	51,200
	Xylene	NS	NS	173,000
60-61.5	Benzene	NS	4,200	NS
	Ethylbenzene	NS	14,000	NS
	Toluene	NS	51,000	NS
	Xylene	NS	20,000	NS
85-86.5	Ethylbenzene	NS	620	NS
	Toluene	NS	310	NS
	Xylene	NS	1,700	NS
100-101.5	Toluene	NS	280	NS
	Xylene	NS	1,500	NS
Spent Mud	Benzene	NS	8,600	NS
	Ethylbenzene	NS	3,500	NS
	Toluene	NS	31,000	NS
	Total Xylene	NS	93,800	NS

Ft-BGS = Feet below ground surface
NS = Sample not collected/analyzed in accordance with Scope of Services/Sampling Plan
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.

[1] All concentrations are in micrograms per kilogram (ug/kg)

Source: Final Report, IRP Phase IV (Walk, Haydel and Associates Inc. 1990)

TABLE 13-3
ARSENIC CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4
SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Boring Number								
	B1	B3	B4	B5	B6	B7	B8	B9	B10
0-1.5	NA	NS					51.1		
2.5-4		NS			NS	NS	NS		
5-6.5		NS			NS	NS	NS		
7.5-9	NSR	NS			NS	NS	NS	(94.4)	
10-11.5		NS			NS	NS	NS	(86)	
15-16.5						(114.5)	(96.6)	50.7	
20-21.5		NS			NS	NS	NS	NS	NS
25-26.5		NS			NS	NS	NS	NS	NS
30-31.5						53.3	(88.1)	(152.5)	
45-46.5	NS		NS	NS		51.9	ISR	52.3	
55-56.5	NS	NS	NS	NS	NS	NS	NS	NS	
60-61.5	NS		NS	NS					AR
75-76.5	NS	ISR	NS	NS		ISR		NS	NS
85-86.5	NS		NS	NS	NS	NS	NS	NS	NS
90-91.5	NS	NS	NS	NS				NS	NS
100-101.5	NS	ISR	NS	NS				NS	NS

NS = No sample collected in accordance with Scope of Services/Sampling Plan
( ) = Above concentrations typical of soils
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.
ISR = Insufficient sample recovered for analysis.
AR = Auger refusal prevented completion at 60 feet. Collected sample at 55 feet.
Ft-BGS = Feet below ground surface
[1] All concentrations are in milligrams per kilogram (mg/kg)
Source: Final Report, IRP Phase IV (Walk, Haydel and Associates Inc. 1990)

TABLE 13-4

BARIUM CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4
SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Boring Number								
	B1	B3	B4	B5	B6	B7	B8	B9	B10
0-1.5	NA								
2.5-4		NS		676.9	NS	NS	NS		
5-6.5		NS			NS	NS	NS	857.2	
7.5-9	NSR	NS			NS	NS	NS		
10-11.5		NS			NS	NS	NS		
15-16.5									
20-21.5		NS			NS	NS	NS	NS	NS
25-26.5		NS			NS	NS	NS	NS	NS
30-31.5									1713.5
45-46.5	NS		NS	NS		1074.4	ISR		
55-56.5	NS	NS	NS	NS	NS	NS	NS	NS	
60-61.5	NS		NS	NS					AR
75-76.5	NS	ISR	NS	NS		ISR		NS	NS
85-86.5	NS		NS	NS	NS	NS		NS	NS
90-91.5	NS	NS	NS	NS				NS	NS
100-101.5	NS	ISR	NS	NS				NS	NS

NS = No sample collected in accordance with Scope of Services/Sampling Plan
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.
ISR = Insufficient sample recovered for analysis.
AR = Auger refusal prevented completion at 60 feet. Collected sample at 55 feet.
Ft-BGS = Feet below ground
[1] All concentrations are in milligrams per kilogram (mg/kg)
Source: Final Report, IRP Phase IV (Walk, Haydel and Associates Inc. 1990)

TABLE 13-5
CADMIUM CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4
SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Boring Number								
	B1	B3	B4	B5	B6	B7	B8	B9	B10
0-1.5	NA							9	
2.5-4	7.8	NS			NS	NS	NS		
5-6.5	8.2	NS		9.7	NS	NS	NS	9.1	
7.5-9	NSR	NS		(11.2)	NS	NS	NS		
10-11.5		NS	9	8.5	NS	NS	NS		
15-16.5	9.2	8.8	8.5	(12.7)					
20-21.5		NS		8	NS	NS	NS	NS	NS
25-26.5		NS		9.2	NS	NS	NS	NS	NS
30-31.5									1713.5
45-46.5	NS		NS	NS			ISR		
55-56.5	NS	NS	NS	NS	NS	NS	NS	NS	
60-61.5	NS		NS	NS					AR
75-76.5	NS	ISR	NS	NS		ISR		NS	NS
85-86.5	NS		NS	NS	NS	NS	NS	NS	NS
90-91.5	NS	NS	NS	NS				NS	NS
100-101.5	NS	ISR	NS	NS				NS	NS

NS = No sample collected in accordance with Scope of Services/Sampling Plan
( ) = Above concentrations typical of soils
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.
ISR = Insufficient sample recovered for analysis.
AR = Auger refusal prevented completion at 60 feet. Collected sample at 55 feet.
Ft-BGS = Feet below ground surface
[1] All concentrations are in milligrams per kilogram (mg/kg)
Source: Final Report, IRP Phase IV (Walk, Haydel and Associates Inc. 1990)

TABLE 13-6
SELENIUM CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4
SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Boring Number								
	B1	B3	B4	B5	B6	B7	B8	B9	B10
0-1.5	NA	NS				85	67		
2.5-4		NS			NS	NS	NS		
5-6.5		NS			NS	NS	NS		
7.5-9	NSR	NS			NS	NS	NS	154.8	
10-11.5		NS			NS	NS	NS	134.6	
15-16.5						166.8	193.6	151.4	
20-21.5		NS			NS	NS	NS	NS	NS
25-26.5		NS			NS	NS	NS	NS	NS
30-31.5						104.9	112.3	198.4	
45-46.5	NS		NS	NS		85	ISR		
55-56.5	NS	NS	NS	NS	NS	NS	NS	NS	
60-61.5	NS		NS	NS		80.1	64.5		AR
75-76.5	NS	ISR	NS	NS		ISR	57.7	NS	NS
85-86.5	NS		NS	NS	NS	NS	NS	NS	NS
90-91.5	NS	NS	NS	NS			80.6	NS	NS
100-101.5	NS	ISR	NS	NS		57.1		NS	NS

NS = No sample collected in accordance with Scope of Services/Sampling Plan
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.
ISR = Insufficient sample recovered for analysis.
AR = Auger refusal prevented completion at 60 feet. Collected sample at 55 feet.
Ft-BGS = Feet below ground surface
[1] All concentrations are in milligrams per kilogram (mg/kg)
Source: Final Report, IRP Phase IV (Walk, Haydel and Associates Inc. 1990)

TABLE 13-7
SILVER CONCENTRATIONS[1] IN SOIL SAMPLES COLLECTED BY WALK, HAYDEL AND ASSOCIATES AT FIRE DEPARTMENT TRAINING AREA NO. 4
SWMU NO. 109
CANNON AFB, NEW MEXICO

Sample Depth (Ft-BGS)	Boring Number								
	B1	B3	B4	B5	B6	B7	B8	B9	B10
0-1.5	NA	NS	5.4		18.7				7.3
2.5-4	6.7	NS	7.4	16.4	NS	NS	NS		
5-6.5	10.4	NS	20.7	17.4	NS	NS	NS		
7.5-9	NSR	NS	13.3	13.6	NS	NS	NS	154.8	
10-11.5	10.1	NS	15.4	9	NS	NS	NS	134.6	
15-16.5	6.2	8.6	6.2	13.5	13.4				5.2
20-21.5	15.5	NS	10.1	18.5	NS	NS	NS	NS	NS
25-26.5	16.1	NS	8.4	9.8	NS	NS	NS	NS	NS
30-31.5	7.4	12.3	19.2	10.1	4.3				6.0
45-46.5	NS	4.1	NS	NS	4.7		ISR		6.9
55-56.5	NS	NS	NS	NS	NS	NS	NS	NS	5.7
60-61.5	NS		NS	NS	5.1				AR
75-76.5	NS	ISR	NS	NS	5.1	ISR		NS	NS
85-86.5	NS		NS	NS	NS	NS	NS	NS	NS
90-91.5	NS	NS	NS	NS				NS	NS
100-101.5	NS	ISR	NS	NS	13.7			NS	NS

NS = No sample collected in accordance with Scope of Services/Sampling Plan
NA = Sample not analyzed by laboratory
NSR = No sample recovered from this interval. Split spoon contained only wood.
ISR = Insufficient sample recovered for analysis.
AR = Auger refusal prevented completion at 60 feet. Collected sample at 55 feet.
Ft-BGS = Feet below ground surface
[1] All concentrations are in milligrams per kilogram (mg/kg)
Source: Final Report, IRP Phase IV (Walk, Haydel and Associates, Inc. 1990)

TABLE 13-8

SUMMARY OF SURFACE SOIL SAMPLING, BOREHOLE DRILLING, AND BOREHOLE SAMPLING CONDUCTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4, SWMU NO. 109, CANNON AFB, NEW MEXICO

BORING NUMBER	DRILLING/ SAMPLING METHOD	DRILL RIG USED	BOREHOLE DIAMETER (in)	DRILLING/ SAMPLING DEPTH INTERVALS (Ft-BGS)	BOREHOLE SAMPLING FREQUENCY	DATE(S) DRILLED/ SAMPLED	NUMBER OF ANALYTICAL SOIL SAMPLES COLLECTED	NUMBER OF ANALYTICAL QA/QC SAMPLES COLLECTED	NUMBER OF SPT SOIL SAMPLES COLLECTED	NUMBER OF GRADATION ANALYSIS SAMPLES COLLECTED	GROUND ELEVATION (Ft-MSL)	TOTAL DEPTH OF BOREHOLE (Ft-BGS)	DATE BOREHOLE GROUTED
1091	HT	NA	NA	0 to 0.5	NA	10-08-91	1	1	NA	1	4265.46	61	10-09-91
	HSA	F-10	8.5	0 to 22	Continuous	10-08-91	3	2	13	0			
				22 to 61	5' Intervals	10-08-91 to 10-09-91	4	1	10	1			
(1095)*	HSA	CME-7	8.0	0 to 12	5' Intervals	12-09-91	1	0	2	0	4265.44	61	12-09-91
				12 to 61	10' Intervals	12-09-91	5	4	5	0			
1092	HT	NA	NA	0 to 0.5	NA	10-10-91	1	1	NA	0	4264.49	62	10-11-91
	HSA	F-10	8.5	0 to 22	Continuous	10-10-91	3	0	11	1			
				22 to 62	5' Intervals	10-10-91	4	1	8	1			
(1096)*	HT	NA	NA	0 to 0.5	NA	12-09-91	1	1	NA	0	4264.50	62	12-09-91
	HSA	B-61B	7.5	0 to 12	5' Intervals	12-09-91	2	0	2	0			
				12 to 62	10' Intervals	12-09-91	5	0	5	0			
1093	HT	NA	NA	0 to 0.5	NA	10-15-91	1	2	NA	0	4265.24	100	10-27-91
	HSA	F-10	8.5	0 to 22	Continuous	10-15-91	3	1	11	1			
				22 to 62	5' Intervals	10-16-91	4	0	8	1			
				62 to 82	5' Intervals	10-21-91 to 10-22-91	2	0	4	0			
				82 to 100	10' Intervals	10-22-91	2	0	3	1			
(1097)*	HT	NA	NA	0 to 0.5	NA	12-06-91	1	0	NA	0	4265.33	82	12-07-91
	HSA	CME-7	8.0	0 to 12	5' Intervals	12-06-91	2	2	2	0			
				12 to 82	10' Intervals	12-05-91 to 12-06-91	3	0	7	0			
1094	HT	NA	NA	0 to 0.5	NA	10-15-91	1	0	NA	0	4265.25	92	10-29-91
	HSA	F-10	8.5	0 to 22	Continuous	10-27-91 to 10-28-91	3	2	11	1			
				22 to 62	5' Intervals	10-28-91	4	0	8	1			
				62 to 92	10' Intervals	10-28-91 to 10-29-91	3	2	4	1			
(1098)*	HT	NA	NA	0 to 0.5	NA	12-16-91	1	0	NA	0	4265.07	0.5	NA

In	Inches
Ft-BGS	Feet Below Ground Surface
Ft-MSL	Feet Mean Sea Level
SPT	Standard Penetration Test
HSA	Hollow Stem Auger
HT	Hand Trowel, Surface Sample
NA	Not Applicable, Surface Sample
NS	Not Sampled

B-53	Mobile B-53 Auger Drill Rig with 6" OD / 3.75" ID Augers and 6.5" Bullet Bit
B-61A	Mobile B-61 Auger Drill Rig with 6" OD / 3.75" ID Augers and 6.5" or 6.25" Bullet Bit
B-61B	Mobile B-61 Auger Drill Rig with 7.25" OD / 4.25" ID Augers and 7.5" Bullet Bit
F-10	Failing F-10 Auger Drill Rig with 8.25" OD / 4.25" ID Augers and 8.5" Bullet Bit
CME-75	Central Mine Equipment CME-75 Auger Drill Rig with 7.75" OD / 4.25" ID Augers and 8.0" Bullet Bit
OD	Outer Diameter
ID	Inner Diameter

( )* The borings that are shaded and in parentheses correspond to either a redrill or surface resample of the previous boring or surface sample due to laboratory missed holding times. These borings or surface resamples were drilled or collected approximately 1 to 5 feet away from the original boring or surface sample location.

22792A/89MC114W/R9T13-8.WK1 01-Oct-92/RPT/11

TABLE 13-9

SUMMARY OF SURFACE SOIL, SUBSURFACE SOIL, AND QA/QC SAMPLES COLLECTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4, SWMU NO. 109, CANNON AFB, NEW MEXICO

BORING NUMBER	DEPTH INTERVAL (Ft-BGS)	SAMPLE IDENTIFICATION NUMBER	SAMPLE TYPE	QA/QC SAMPLES	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED	OVA ON SAMPLE (ppm)	ANALYTICAL PARAMETERS
1091	0.25 to 0.5	CAN109-1091-0000	A		Soil	10-08-91	1500	0	VOC,TPH,Pb/Cr
		CAN109-1091-1201	A	MRD	Soil	10-08-91	1545	0	VOC,TPH,Pb/Cr
		CAN109-1091-4000	GA		Soil	10-08-91	1545	0	
	0.25 to 1.75	CAN109-1091-4000	SPT		Soil	10-08-91	1545		
	1.75 to 3.25	CAN109-1091-4001	SPT		Soil	10-08-91	1600		
	3.25 to 4.75	CAN109-1091-4003	SPT		Soil	10-08-91	1610		
	5 to 7	CAN109-1091-0005	A/SPT		Soil	10-08-91	1615	0	VOC,TPH,Pb/Cr
		CAN109-1091-1271	A	RB	Water	10-08-91	1635		VOC,TPH,Pb/Cr
	7 to 8.5	CAN109-1091-4007	SPT		Soil	10-08-91	1620		
	8.5 to 10	CAN109-1091-4008	SPT		Soil	10-08-91	1625		
	10 to 12	CAN109-1091-0010	A/SPT		Soil	10-08-91	1700	0	VOC,TPH,Pb/Cr,TOC
	12 to 13.5	CAN109-1091-4012	SPT		Soil	10-08-91	1705		
	13.5 to 15	CAN109-1091-4013	SPT		Soil	10-08-91	1710		
	15 to 17	CAN109-1091-4015	SPT		Soil	10-08-91	1715		
	17 to 18.5	CAN109-1091-4017	SPT		Soil	10-08-91	1720		
	18.5 to 20	CAN109-1091-4018	SPT		Soil	10-08-91	1730		
	20 to 22	CAN109-1091-0020	A/SPT	MS/MSD	Soil	10-08-91	1755	6	VOC,TPH,Pb/Cr,TOC
	23.5 to 25	CAN109-1091-4023	SPT		Soil	10-08-91	1815		
	28.5 to 30	CAN109-1091-4028	SPT/GA		Soil	10-09-91	0800		
	30 to 32	CAN109-1091-0030	A/SPT		Soil	10-09-91	0820	0	VOC,TPH,Pb/Cr,TOC
		CAN109-1091-1261	A	FD	Soil	10-09-91	0840	0	VOC,TPH,Pb/Cr,TOC
	33.5 to 35	CAN109-1091-4033	SPT		Soil	10-09-91	0845		
	38.5 to 40	CAN109-1091-4038	SPT		Soil	10-09-91	1050		
	40 to 41	CAN109-1091-0040	A/SPT		Soil	10-09-91	1115	22	VOC,TPH,Pb/Cr,TOC
	45 to 46.5	CAN109-1091-4045	SPT		Soil	10-09-91	1215		
	50 to 51.5	CAN109-1091-0050	A/SPT		Soil	10-09-91	1230	74	VOC,TPH,Pb/Cr,TOC
	55 to 56.5	CAN109-1091-4055	SPT		Soil	10-09-91	1305		
	60 to 61	CAN109-1091-0060	A/SPT		Soil	10-09-91	1400	0	VOC,TPH,Pb/Cr,TOC
(1096)*	5 to 7	CAN109-1095-4005	SPT		Soil	12-09-91	0855	0	
	10 to 12	CAN109-1095-0010	A/SPT		Soil	12-09-91	0915	0	TOC
	20 to 22	CAN109-1095-0020	A/SPT	MS/MSD	Soil	12-09-91	0935	0.5	TOC
	30 to 32	CAN109-1095-0030	A/SPT		Soil	12-09-91	1010	4.2	VOC,TOC
		CAN109-1095-1266	A	FD	Soil	12-09-91	1025	4.2	VOC,TOC
		CAN109-1095-1272	A	RB	Water	12-09-91	1040		VOC,TOC
	40 to 41	CAN109-1095-0040	A/SPT		Soil	12-09-91	1115	2.6	VOC,TOC
	50 to 51.5	CAN109-1095-0050	A/SPT		Soil	12-09-91	1155	1.8	VOC,TOC
		CAN109-1095-1282	A	DW	Water	12-09-91	1230		VOC
	60 to 61	CAN109-1095-0060	A/SPT		Soil	12-09-91	1240	0	VOC,TOC
1092	0 to 0.5	CAN109-1092-0000	A		Soil	10-10-91	1345	0	VOC,TPH,Pb/Cr
		CAN109-1092-1264	A	FD	Soil	10-10-91	1400	0	VOC,TPH,Pb/Cr
	0 to 2	CAN109-1092-4000	SPT		Soil	10-10-91	0930		
	2 to 4	CAN109-1092-4002	SPT/GA		Soil	10-10-91	0932		
	4 to 6	CAN109-1092-0004	A/SPT		Soil	10-10-91	1000	0	VOC,TPH,Pb/Cr
	6 to 8	CAN109-1092-4006	SPT		Soil	10-10-91	1005		
	8 to 10	CAN109-1092-4008	SPT		Soil	10-10-91	1010		
	10 to 12	CAN109-1092-0010	A/SPT		Soil	10-10-91	1015	0	VOC,TPH,Pb/Cr
	12 to 14	CAN109-1092-4012	SPT		Soil	10-10-91	1020		
	14 to 16	CAN109-1092-4014	SPT		Soil	10-10-91	1025		
	16 to 18	CAN109-1092-4016	SPT		Soil	10-10-91	1040		
	18 to 20	CAN109-1092-4018	SPT		Soil	10-10-91	1050		
	20 to 22	CAN109-1092-0020	A/SPT		Soil	10-10-91	1115	58	VOC,TPH,Pb/Cr
	25 to 26.5	CAN109-1092-4025	SPT		Soil	10-10-91	1130		
	30 to 32	CAN109-1092-0030	A/SPT		Soil	10-10-91	1200	0	VOC,TPH,Pb/Cr
	35 to 37	CAN109-1092-4035	SPT/GA		Soil	10-10-91	1230		
	40 to 41.5	CAN109-1092-0040	A/SPT		Soil	10-10-91	1315	58	VOC,TPH,Pb/Cr
	45 to 47	CAN109-1092-4045	SPT		Soil	10-10-91	1415		

TABLE 13-9

SUMMARY OF SURFACE SOIL, SUBSURFACE SOIL, AND QA/QC SAMPLES COLLECTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4, SWMU NO. 109, CANNON AFB, NEW MEXICO

BORING NUMBER	DEPTH INTERVAL (Ft-BGS)	SAMPLE IDENTIFICATION NUMBER	SAMPLE TYPE	QA/QC SAMPLES	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED	OVA ON SAMPLE (ppm)	ANALYTICAL PARAMETERS
1092	50 to 52	CAN109-1092-0050	A/SPT		Soil	10-10-91	1515	68	VOC,TPH,Pb/Cr
		CAN109-1092-1251	A	AB	Water	10-10-91	1525		VOC
	55 to 57	CAN109-1092-4055	SPT		Soil	10-10-91	1535		
	60 to 62	CAN109-1092-0060	A/SPT		Soil	10-10-91	1630	2.1	VOC,TPH,Pb/Cr
(1096)*	0 to 0.5	CAN109-1096-0000	A		Soil	11-23-91	1400	0	VOC
		CAN109-1096-1267	A	FD	Soil	11-23-91	1415	0	VOC
	4 to 6	CAN109-1096-0004	A/SPT		Soil	11-23-91	1450	0	VOC
	10 to 12	CAN109-1096-0010	A/SPT		Soil	11-23-91	1505	0	VOC
	20 to 22	CAN109-1096-0020	A/SPT		Soil	11-23-91	1530	20	VOC
	30 to 32	CAN109-1096-0030	A/SPT		Soil	11-23-91	1625	0	VOC
	40 to 41.5	CAN109-1096-0040	A/SPT		Soil	11-23-91	1715	10	VOC
	50 to 52	CAN109-1096-0050	A/SPT		Soil	11-24-91	0930	10	VOC
	60 to 62	CAN109-1096-0060	A/SPT		Soil	11-24-91	1110	0	VOC
1093	0 to 0.5	CAN109-1093-0000	A	MS/MSD	Soil	10-15-91	1150	35	VOC,TPH,Pb/Cr
		CAN109-1093-1202	A	MRD	Soil	10-15-91	1150	35	VOC,TPH,Pb/Cr
	0 to 2	CAN109-1093-4000	SPT		Soil	10-15-91	1700	35	
	2 to 4	CAN109-1093-4002	SPT		Soil	10-15-91	1710	14	
	4 to 6	CAN109-1093-0004	A/SPT		Soil	10-15-91	1745	10.5	VOC,TPH,Pb/Cr
		CAN109-1093-1262	A	FD	Soil	10-15-91	1800	10.5	VOC,TPH,Pb/Cr
	6 to 8	CAN109-1093-4006	SPT		Soil	10-15-91	1800	12	
	8 to 10	CAN109-1093-4008	SPT		Soil	10-15-91	1805	17	
	10 to 12	CAN109-1093-0010	A/SPT		Soil	10-15-91	1820	22	VOC,TPH,Pb/Cr
	12 to 14	CAN109-1093-4012	SPT/GA		Soil	10-15-91	1830	8	
	14 to 16	CAN109-1093-4014	SPT		Soil	10-15-91	1835	31	
	16 to 18	CAN109-1093-4016	SPT		Soil	10-15-91	1855	0.8	
	18 to 20	CAN109-1093-4018	SPT		Soil	10-15-91	1900	0.2	
	20 to 22	CAN109-1093-0020	A/SPT		Soil	10-15-91	1920	0	VOC,TPH,Pb/Cr
	25 to 27	CAN109-1093-4025	SPT		Soil	10-16-91	0725	0	
	30 to 32	CAN109-1093-0030	A/SPT		Soil	10-16-91	0755	0	VOC,TPH,Pb/Cr
	35 to 37	CAN109-1093-4035	SPT		Soil	10-16-91	0825	0	
	40 to 42	CAN109-1093-0040	A/SPT		Soil	10-16-91	0850	4.8	VOC,TPH,Pb/Cr
	45 to 47	CAN109-1093-4045	SPTGA		Soil	10-16-91	0915	0	
	50 to 52	CAN109-1093-0050	A/SPT		Soil	10-16-91	1000	1.1	VOC,TPH,Pb/Cr
	55 to 56.5	CAN109-1093-4055	SPT		Soil	10-16-91	1030	0	
	60 to 62	CAN109-1093-0060	A/SPT		Soil	10-16-91	1100	0.6	VOC,TPH,Pb/Cr
	65 to 66	CAN109-1093-4065	SPT		Soil	10-21-91	1625	7.1	
	70 to 72	CAN109-1093-0070	A/SPT		Soil	10-21-91	1710	11	VOC,TPH,Pb/Cr
	75 to 75.5	CAN109-1093-4075	SPT		Soil	10-22-91	0835	0.2	
	80 to 82	CAN109-1093-0080	A/SPT		Soil	10-22-91	0945	5.1	VOC,TPH,Pb/Cr
	90 to 92	CAN109-1093-0090	A/SPT		Soil	10-22-91	1220	1.1	VOC,TPH,Pb/Cr
		CAN109-1093-4090	SPT/GA		Soil	10-22-91	1220	1.1	
	98 to 100	CAN109-1093-0098	A/SPT		Soil	10-22-91	1320	0	VOC,TPH,Pb/Cr
(1097)*	0 to 0.5	CAN109-1097-0000	A		Soil	12-05-91	1130	30	TPH
	4 to 6	CAN109-1097-0004	A/SPT		Soil	12-05-91	1200	16	VOC
		CAN109-1097-1252	A	AB	Water	12-05-91	1210		VOC
	10 to 12	CAN109-1097-0010	A/SPT		Soil	12-05-91	1245	14	TPH
		CAN109-1097-1266	A	FD	Soil	12-05-91	1225	14	TPH
	20 to 22	CAN109-1097-0020	A/SPT		Soil	12-05-91	1345	0	TPH
	30 to 32	CAN109-1097-4030	SPT		Soil	12-06-91	1320	1.1	
	40 to 42	CAN109-1097-0040	A/SPT		Soil	12-06-91	1350	2.4	VOC
	50 to 52	CAN109-1097-4050	SPT		Soil	12-06-91	1455	8.2	
	60 to 62	CAN109-1097-4060	SPT		Soil	12-06-91	1540	2.4	
	70 to 72	CAN109-1097-4070	SPT		Soil	12-06-91	1625	17	
	80 to 82	CAN109-1097-0080	A/SPT		Soil	12-06-91	1710	11.2	VOC

TABLE 13-9

SUMMARY OF SURFACE SOIL, SUBSURFACE SOIL, AND QA/QC SAMPLES COLLECTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4, SWMU NO. 109, CANNON AFB, NEW MEXICO

BORING NUMBER	DEPTH INTERVAL (Ft-BGS)	SAMPLE IDENTIFICATION NUMBER	SAMPLE TYPE	QA/QC SAMPLES	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED	OVA ON SAMPLE (ppm)	ANALYTICAL PARAMETERS
1094	0 to 0.5	CAN109-1094-0000	A		Soil	10-15-91	1220	36	VOC,TPH,Pb/Cr
	0 to 2	CAN109-1094-4000	SPT		Soil	10-27-91	1545	20	
	2 to 4	CAN109-1094-4002	SPT		Soil	10-27-91	1555	70	
	4 to 6	CAN109-1094-0004	A/SPT		Soil	10-27-91	1605	36	VOC,TPH,Pb/Cr
	6 to 8	CAN109-1094-4006	SPT		Soil	10-27-91	1610	73	
	8 to 10	CAN109-1094-4008	SPT		Soil	10-27-91	1625	92	
	10 to 12	CAN109-1094-0010	A/SPT		Soil	10-27-91	1640	110	VOC,TPH,Pb/Cr
	12 to 14	CAN109-1094-4012	SPT		Soil	10-27-91	1650	32	
	14 to 16	CAN109-1094-4014	SPT		Soil	10-27-91	1655	24	
	16 to 18	CAN109-1094-4016	SPT		Soil	10-27-91	1710	3.6	
	18 to 20	CAN109-1094-4018	SPT/GA		Soil	10-27-91	1720	24	
	20 to 22	CAN109-1094-0020	A/SPT		Soil	10-28-91	0845	3.3	VOC,TPH,Pb/Cr
		CAN109-1094-1203	A	MRD	Soil	10-28-91	0845	3.3	VOC,TPH,Pb/Cr
		CAN109-1094-1253	A	FD	Soil	10-28-91	0915	3.3	VOC,TPH,Pb/Cr
	25 to 27	CAN109-1094-4025	SPT		Soil	10-28-91	0915	0.2	
	30 to 31	CAN109-1094-0030	A/SPT		Soil	10-28-91	0930	0.2	VOC,TPH,Pb/Cr
	35 to 37	CAN109-1094-4035	SPT		Soil	10-28-91	1005	0	
	40 to 41.5	CAN109-1094-0040	A/SPT		Soil	10-28-91	1040	0	VOC,TPH,Pb/Cr
	45 to 47	CAN109-1094-4045	SPT		Soil	10-28-91	1130	8	
	50 to 52	CAN109-1094-0050	A/SPT		Soil	10-28-91	1210	2.8	VOC,TPH,Pb/Cr
	55 to 57	CAN109-1094-4055	SPT/GA		Soil	10-28-91	1350	1.1	
	60 to 62	CAN109-1094-0060	A/SPT		Soil	10-28-91	1445	5.1	VOC,TPH,Pb/Cr
	70 to 72	CAN109-1094-0070	A/SPT		Soil	10-28-91	1525	6.2	VOC,TPH,Pb/Cr
	80 to 82	CAN109-1094-0080	A/SPT		Soil	10-28-91	1700	7.8	VOC,TPH,Pb/Cr
		CAN109-1094-1204	A	MRD	Soil	10-28-91	1700	7.8	VOC,TPH,Pb/Cr
		CAN109-1094-4080	GA		Soil	10-28-91	1700	7.8	
	90 to 92	CAN109-1094-0090	A/SPT		Soil	10-29-91	0845	0	VOC,TPH,Pb/Cr
		CAN109-1094-1281	A	DW	Water	10-30-91	1000		VOC
(1096)*	0 to 0.5	CAN109-1096-0000	A	MS/MSD	Soil	12-16-91	1100	21	VOC,TPH
		CAN109-1096-1201	A	MRD	Soil	12-16-91	1100	21	VOC,TPH
		CAN109-1096-1273	A	RB	Water	12-16-91	1115		VOC,TPH

Ft-BGS	Feet Below Ground Surface	FD	Field Duplicate	SV	Semi Volatile Organic Compounds
OVA	Organic Vapor Analyzer Reading	MRD	Missouri River Division Duplicate	M	Metals (TAL)
ppm	Parts per Million	AB	Ambient Blank	TPH	Total Petroleum Hydrocarbons
A	Analytical	RB	Rinsate Blank	BTEX	Benzene, Toluene, Ethylbenzene, Xylene
SPT	Standard Penetration Test	DW	Decontamination Water Blank	TOC	Total Organic Carbon
GA	Gradation Analysis	TB	Trip Blank	OL	Organic Lead
L	Lithology	VOC	Volatile Organic Compounds (TCL)	Pb/Cr	Lead / Chromium
MS/MSD	Matrix Spike / Matrix Spike Duplicate	PCB	Polychlorinated Biphenols, Pesticides	TAL	Target Analyte List
		TCL	Target Compound List		

( )* The borings that are shaded and in parentheses correspond to either a redrill or surface resample of the previous boring or surface sample due to laboratory missed holding times. These borings or surface resamples were drilled or collected approximately 1 to 5 feet away from the original boring or surface sample.

TABLE 13-10

TOTAL PETROLEUM HYDROCARBON, ETHYL BENZENE AND XYLENES CONCENTRATIONS IN SOIL SAMPLES COLLECTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4

SWMU NO. 109
CANNON AFB, NEW MEXICO

Boring Number (Redrill Boring Number)	Sampling Depth (Ft-BGS)	TPH (mg/kg)	Xylenes (μg/kg)	Ethyl Benzene (μg/kg)
1091	0-0.5	27.3	2 J	11 UJ
(1095)	5-7	56.6	11 U	11 U
	10-12	45.1 U	11 U	11 U
	20-22	45.7 U	12 U	12 U
	30-32	44.5 U	(55 U)	(55 U)
	40-42	46.3 U	(57 U)	(57 U)
	50-52	43.9 U	(11 U)	(11 U)
	60-62	42.6 U	(11 U)	(11 U)
1092 (1096)	0-60	Not detected above CRQL	(Not detected above CRQL)	(Not detected above CRQL)
1093	0-0.5	(38500)	8J	19 U
(1097)	4-6	12900	(4100)	(1200 U)
	10-12	(45 U)	11 U	11 U
	20-22	(46.6 U)	12 U	12 U
	30-32	44 U	11 U	11 U
	40-42	45.6 U	(11 U)	(11 U)
	50-52	215	11 U	11 U
	60-62	203	10 U	10 U
	70-72	42.8 U	11 UJ	11 UJ
	80-82	41.8 U	(11 U)	(11 U)
	90-92	40.6 U	10 UJ	10 UJ
	98-100	41.2 U	10 UJ	10 UJ

TABLE 13-10
(Concluded)

Boring Number (Redrill Boring Number)	Sampling Depth (Ft-BGS)	TPH (mg/kg)	Xylenes (μg/kg)	Ethyl Benzene (μg/kg)
1094	0-0.5	(13600)	(11 U)	(11 U)
(1098)	4-6	8300	290,000	19,000 J
	10-12	1870	6,700 J	28,000 U
	20-22	46.7	12 U	12 U
	30-32	44 U	11 U	11 U
	40-42	44.1 U	11 U	11 U
	50-52	42.7 U	10 U	10 U
	60-62	43.2 U	10 U	10 U
	70-72	43 U	11 U	11 U
	80-82	42.2 U	11 U	11 U
	90-92	42.1 U	11 U	11 U

Ft-BGS = Feet below ground surface
mg/kg = Milligrams per kilogram
ug/kg = Micrograms per kilogram
U = Not detected
J = Estimated value
UJ = Estimated as non-detect at the CRQL
( ) = The values in parentheses are results from samples collected from the redrill borings due to laboratory missed holding times.

TABLE 13-11

CHROMIUM AND LEAD CONCENTRATIONS IN SOIL SAMPLES COLLECTED BY WCC AT FIRE DEPARTMENT TRAINING AREA NO. 4

SWMU NO. 109
CANNON AFB, NEW MEXICO

Boring Number	Sample Depth (Ft-BGS)	Chromium (mg/kg)	Lead (mg/kg)
1091	0 - 0.5	10	6.4
	5	6.4	4.8
	10	4.5	4.2
	20	8.8	6.6
	30	7.8	3.7
	40	6.6	2.2
	50	3.6	2.5
	60	6.1	2.3
1092	0-0.5	9.3	6.8
	4	7.4	4.7
	10	7.5	4.7
	20	8.1	3.8
	30	7.7	3.0
	40	4.9	2.2
	50	4.5	2.3
	60	4.5	2.1
1093	0-0.5	6.5	19.6 J
	4	7.3	6.3
	10	6.8	5.0
	20	6.6	2.6
	30	5.5	3.1
	40	6.8	2.1
	50	3.3	2.4
	60	4.2	1.9
	70	1.4	0.9
	80	2.6	1.5
	90	1.4	0.9
	98	1.1 J	0.87

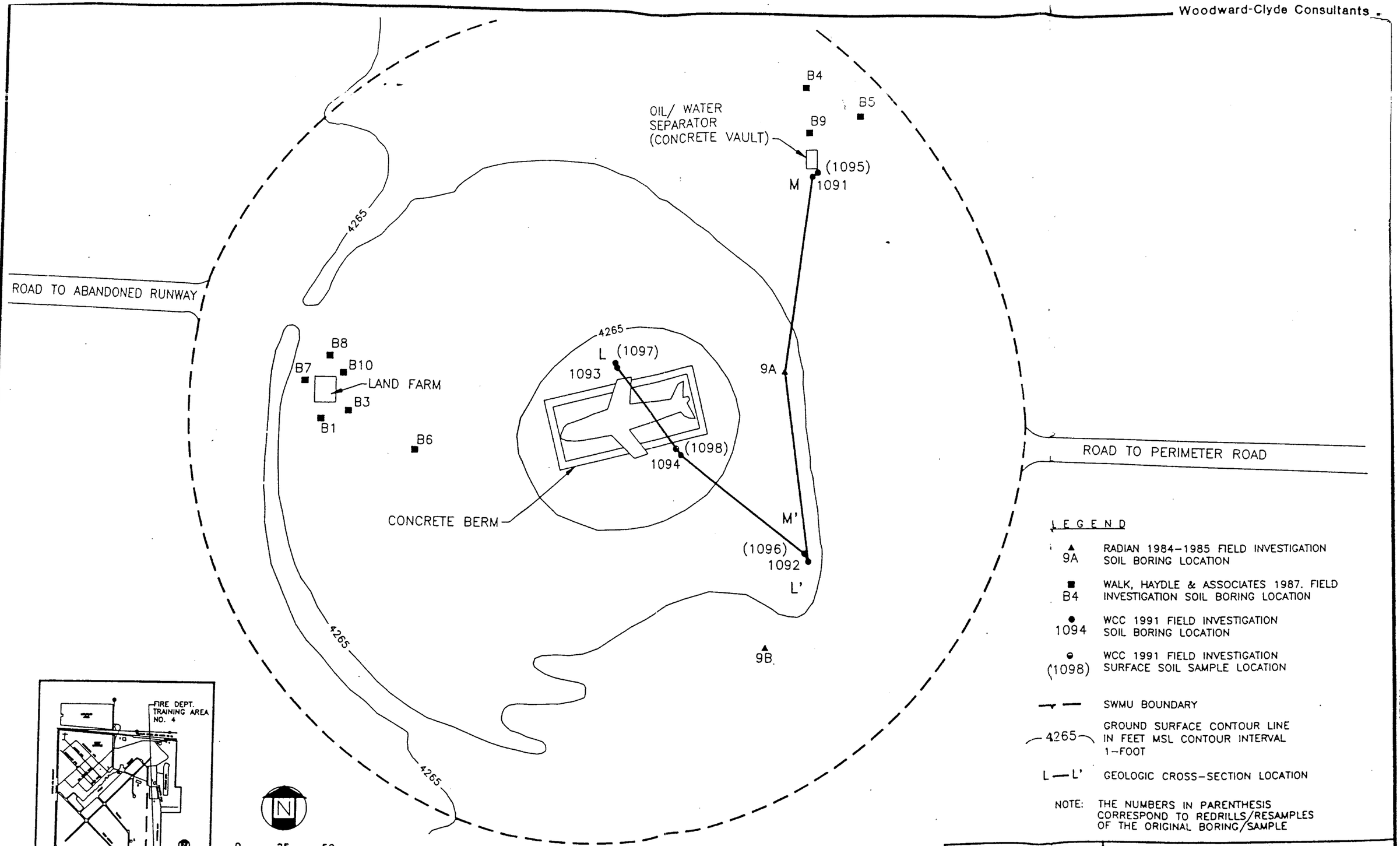
TABLE 13-11
(Concluded)

Boring Number	Sample Depth (Ft-BGS)	Chromium (mg/kg)	Lead (mg/kg)
1094	0 - 0.5	4.8	2.5
	4	5.8	6.5
	10	8.3	6.4
	20	10.5	5.3
	30	7.0	2.1
	40	7.4	2.4
	50	3.9	1.5
	60	4.1	1.6
	70	4.2	1.8
	80	9.1	2.1
	90	2.8	0.98

Ft-BGS = Feet below ground surface
mg/kg = Milligrams per kilogram
J = Estimated value

[1] Background range for chromium is 2.97 to 9.31 mg/kg (see Table 2-7).
[2] Background range for lead is 17.6 to 8.64 mg/kg (see Table 2-7).

Woodward-Clyde Consultants



Job No. : 89MC114W	LOCATION OF SOIL BORINGS AT FIRE DEPARTMENT TRAINING AREA NO.4 SWMU NO. 109 CANNON AFB, NEW MEXICO
Prepared by : D.A.K.	
Date : 2/18/92	

C1140009

APPENDIX B

PETROS-RISc®
SOIL TEST DATA SHEETS

Data for PETRO RISC® Soil Test

Page 1 of 1

Operator: Kevin E Garrett KEG Date: 2/20/97 Location: Cannon Air Force Base - Fire Training Area

	Sample ID	ΔOD Standards	OD sample 10 ppm	Interpretation	OD sample ____ ppm	Interpretation	Comments
1	CANFTA4-SB01-0403		-0.9	detection >10 ppm			
2	CANFTA4-SB01-0419		-0.89				
3	CANFTA4-SB01-0429		-0.87				
4	CANFTA4-SB01-0438		-0.89				
5	CANFTA4-SB01-0442		-0.87				
	S1, S2	-0.09					S1 used Applies to Samples 1-5
6	CANFTA4-SB01-0455		-0.42	detection >10 ppm			
7	CANFTA4-SB01-0465		-0.58				
8	CANFTA4-SB01-0473		0.53	Non detection (<10 ppm)			
	S3, S4	-0.15					S3 used; Applies to Samples 6-8
9	CANFTA4-SB01-0480		0.14	Non detection (<10 ppm)			
	S5, S6	0.0					S6 used, Applies to Sample 9
10	CANFTA4-SB04-0409		0.04	Non detection (<10 ppm)			
11	CANFTA4-SB04-0419		0.29				
	S7, S8	-0.06					S8 used; Applies to Samples 10, 11

Data for PETRO RISC® Soil Test

Page 1 of 1

Operator: Kevin E. Garrett Date: 2/21/97 Location: Cannon Air Force Base - Fire Training Area

	Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
		Standards	10 ppm		____ ppm		
	S1, S2	-0.3					S2 Used; Applies to Samples 1,2
1	CANFTA4-SB02-0409		0.87	Nondetection (<10ppm)			
2	CANFTA4-SB02-0419		0.64	↓			
	S3, S4	-0.04					S4 Used; Applies to Samples 3,4
3	CANFTA4-SB07-0409		0.51	Nondetection (<10ppm)			
4	CANFTA4-SB07-0419		0.04	↓			
	S5, S6						S6 Used; Applies to Samples 5,6
5	CANFTA4-SB03-0409		0.43	Nondetections (< 10ppm)			
6	-0419		0.18	↓			
	S7, S8		-0.26				S8 Used; Applies to Samples 7,8
7	CANFTA4-SB05-0409		0.34	Nondetections (<10ppm)			
8	CANFTA4-SB05-0412		0.05	↓			

Data for PETRO RISC® Soil Test

Operator: Kevin Garrett Date: 1/22/97 Location: Cannon Air Force Base - Fire Training Area

	Sample ID	ΔOD Standards	OD sample 10 ppm	Interpretation	OD sample ____ ppm	Interpretation	Comments
	S1, S2	-0.08					S2 Used; Applies to Samples 1,2,3
1	CANFTA4 SB06 ~~0418~~ 0417		0.64	Non detection (<10 ppm)			
2	CANFTA4-SB06 ~~0418 D~~ 0417 D		0.79				
3	CANFTA4-SB06 - 0407		0.62				
	S3, S4	-0.12					S3 used; Applies to Samples 4,5
4	CANFTA4-SB11 - 0407		1.06	Non detection (<10 ppm)			
5	CANFTA4-SB11 - 0417		0.77				
	S5, S6	-0.20					S6 used; Applies to samples 6,7
6	CANFTA4-SB12-0402		0.49	Non detection (<10 ppm)			
7	CANFTA4-SB12-0410		-0.05	detection (>10 ppm)			
	S7, S8	-0.13					S7 used; Applies to samples 8,9
8	CANFTA4-SB12-0410 D1		0.53	Non detection (<10 ppm)			Reanalysis of 0410 (#7) above
9	CANFTA4-SB12-0410 D2		-0.12	detection (>10 ppm)			Same as 0410 D1, 0410 - ~~collected~~ field duplicate - Separate collected sample

Data for PETRO RISC® Soil Test

Operator: Kevin Garrett Date: 2/22/97 Location: Cannon Air Force Base - Fire Training Area

	Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
		Standards	10 ppm		____ ppm		
	S9, S10	-0.14					S10 Used; Applies to Samples 10, 11
10	CANFTA4-SB12-0421		0.15	Nondetection (<10ppm)			
11	CANFTA4-SB12-0430		0.74	↓			
	S11, S12	0.00					S11 Used; Applies to Samples 12, 13
12	CANFTA4-SB10-0406		0.53	Non detections (<10ppm)			
13	CANFTA4-SB10-0410		0.98	↓			

Data Sheet for PETRO RISC® SamplePro Test

Page 1 of 1

Operator: Kevin Garrett Date: 2/23/97 Location: Cannon Air Force Base - Fire Training Area

		Low Test Level			High Test Level			
	Sample ID	ΔOD	OD sample	Interpretation	ΔOD	OD sample	Interpretation	Comments
		Standards	10 ppm		Standards	____ ppm		
	S1, S2	-0.06						S2 used, Applies to Samples 1,2
1	CANFTA4-SB08-0403		0.81	Nondetection (<10ppm)				
2	CANFTA4-SB08-0410		0.14	↓				
	S3, S4	-0.05						S4 Used; Applies to Samples 3,4
3	CANFTA4-SB09-0402		0.82	Nondetection (<10ppm)				
4	CANFTA4-SB09-0415		0.85	↓				
	S5, S6	-0.14						S5 Used; Applies to Samples 5,6,7
5	CANFTA4-SB13-0404		0.91	Nondetection (<10ppm)				
6	CANFTA4-SB13-0413		0.62	↓				
7	CANFTA4-SB13-0413D		0.61	↓				Duplicate of 0415 (#6)
	S7, S8	-0.01						S7 Used; Applies to Samples 8,9
8	CANFTA4-SB15-0409		0.51	Nondetection (<10ppm)				
9	CANFTA4-SB15-0419		0.22	↓				
	S9, S10	-0.30						S9 Used; Applies to Samples 10,11
10	CANFTA4-SB16-0404		0.60	Nondetection (<10ppm)				
11	CANFTA4-SB16-0410		0.34	↓				
	S11, S12	-0.36						S12 Used; Applies to Sample 12,13
12	CANFTA4-SB14-0402		0.46	Nondetection (<10ppm)				
13	CANFTA4-SB14-0415		0.56	↓				

Data for PETRO RISC® Soil Test

Operator: Kevin Garrett Date: 2/25/97 Location: Cannon Air Force Base - Fire Training Area

	Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
		Standards	10 ppm		____ ppm		
	S1, S2	-0.07					S1 Used; Applies to samples 1,2,3,4,5,6
1	CANFTA4-SB17-0409		0.87	Nondetection (<10 ppm)			
2	CANFTA4-SB17-0419		0.73				
3	CANFTA4-SB17-0429		0.89				
4	CANFTA4-SB17-0439		0.92				
5	CANFTA4-SB17-0445		0.31				
6	CANFTA4-SB17-0459		0.53				
	S3, S4	0.00					S3 Used; Applies to samples 7,8,9,10,11,12
7	CANFTA4-SB18-0409		0.47	Nondetection (<10 ppm)			
8	CANFTA4-SB18-0419		0.41				
9	CANFTA4-SB18-0424		0.29				
10	CANFTA4-SB18-0433		0.38				
11	CANFTA4-SB18-0456		0.41				
12	CANFTA4-SB18-0443		0.01				

Data for PETRO RISC® Soil Test

Operator: Kevin Garrett Date: 2/20/97 Location: Cannon Air Force Base - Fate Training Area

	Sample ID	ΔOD	OD sample	Interpretation	OD sample	Interpretation	Comments
		Standards	10 ppm		____ ppm		
	S1, S2	-0.20					S1 Used; Applies to Samples 1,2,3,4,5,6
1	CANFTA4-SB19-0404		0.18	Nondetection (<10ppm)			
2	CANFTA4-SB19-0417		0.69				
3	CANFTA4-SB19-0429		0.51				
4	CANFTA4-SB19-0433		0.20				
5	CANFTA4-SB19-0445		0.44				
6	CANFTA4-SB19-0459		0.04				

APPENDIX C

FIELD BORING LOGS FOR SOIL BORINGS SB01-SB19

NOTES

1. "Initial Screen" in Column 'd' represents informal PID screening measurements, in parts per million, taken at 1-foot intervals through plastic sleeve used for extrusion of Rotasonic samples.

2. "Headspace" in Column 'h' represents formal PID headspace on soil samples, in parts per million, taken once per 10-foot interval at the depth exhibiting the highest 'informal' PID reading.

3. "Immunoassay" in Column 'h' represents results of on-site immunoassay screening for total petroleum hydrocarbons, in parts per million, taken on one sample per 10-foot interval at the same depth as Note 2, above. Detection level of immunoassay kits is 10 ppm.

HTW DRILLING LOG

HOLE No. SB01

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET 1 OF 11 SHEETS	
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	South side of concrete containment (see location map)
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 19, 1997
11. DATE COMPLETED	Feb. 20, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	90 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	5	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 20, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	CONCRETE (0-2 ft)	Calibrated HNu w/isobutylene at 100 ppm & 200 psi.	No Sample			
	1		Background = 0 Breat. Zone= 0				
	2	Silty Sand (SM/SC): Dense; low plasticity; uncemented; moist; brown; about 65% fine sand/35% fines.	Initial Screen = 90	Continuous Sample			
	3				CANFTA4-SB01-0103 SB01-0203 SB01-0403		Time = 1623 hrs Sample 3-4 ft Headspace: 95 ppm Immunoassay: TPH>10 ppm
	4		Initial Screen = 190				
	5		Initial Screen = 120				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above	Initial Screen = 40				
	6	Dry (6-19 ft)					
			Initial Screen = 160				
	7						
			Initial Screen = 150				
	8						
			Initial Screen = 150				
	9			Continuous Sample			
			Initial Screen = 120				
	10						
			Initial Screen = 40				
	11						
			Initial Screen = 90				
	12						
			Initial Screen = 110				
	13						
			Initial Screen = 110				
	14						
			Initial Screen = 30				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 40				
	16						
			Initial Screen = 140				
	17						
			Initial Screen = 150				
	18			Continuous Sample			
			Initial Screen = 150				
	19	Clayey Sand (SC/SM): Very dense; trace caliche cemented nodules; dry; brown; about 60% fine sand/40% silty/clayey fines; trace silt.					Sample 19-20 ft Time = 1708 hrs.
			Initial Screen = 150		CANFTA4-SB01-0119 SB01-0419		Headspace: 95 ppm Immunoassay: TPH>10 ppm
	20		Breat. Zone = 0				
			Initial Screen =110				
	21						
			Initial Screen = 80				
	22	Silty Sand (SM): Very dense; non-plastic; dry; brown; about 85% fine sand/15% silty fines.					
			Initial Screen = 110				
	23						
			Initial Screen = 80				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 4 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	24						
			Initial Screen = 100				
	25						
			Initial Screen = 100				
	26						
			Initial Screen = 120				
	27			Continuous Sample			
			Initial Screen = 80				
	28	Silty Sand (SM): Dense; non-plastic; few, caliche-cemented nodules; dry; brown; rapid dilatancy; about 70% fine sand/30% silty fines.					
			Initial Screen = 100				
	29				CANFTA4-SB01-0129 SB01-0229 SB01-0429		Sample 29-30 ft Time = 1810 hrs.
			Initial Screen = 120				Headspace: 120 ppm Immunoassay: TPH>10 ppm
	30						
			Initial Screen = 140				
	31	Loose, non-calcareous (31-38 ft).					
			Initial Screen = 150				
	32						
			Initial Screen = 160				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 5 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	33						
			Initial Screen = 170				
	34						
			Initial Screen = 140				
	35						
			Initial Screen = 160				
	36			Continuous Sample			
			Initial Screen = 190				
	37						
			Initial Screen = 120				
	38	Silty Sand (SM): Very dense; few, caliche-cemented nodules; dry; brown; about 50% fine sand/50% silty fines; trace clay.					Sample 38-39 ft Time = 0835 hrs.
			Initial Screen = 220		CANFTA4-SB01-0138 SB01-0438		Headspace: 250 ppm Immunoassay: TPH>10 ppm
	39						
			Initial Screen = 200				
	40	Loose, moist, non-calcareous (40-55 ft).					
			Initial Screen = 140				
	41						
			Initial Screen = 200				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 6 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	42						Sample 42-43 ft Time = 0920 hrs.
			Initial Screen = 200		CANFTA4-SB01-0142 SB01-0242 SB01-0442		Headspace: 250 ppm Immunoassay: TPH>10 ppm
	43						
			Initial Screen = 180				
	44						
			Initial Screen = 150				
	45			Continuous Sample			
			Initial Screen = 160				
	46						
			Initial Screen = 170				
	47						
			Initial Screen = 180				
	48						
			Initial Screen = 180				
	49						
			Initial Screen = 170				
	50						
			Initial Screen = 140				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 7 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	51						
			Initial Screen = 70				
	52						
			Initial Screen = 70				
	53						
			Initial Screen = 20				
	54			Continuous Sample			
			Initial Screen = 10				
	55	Very dense; moist; few, caliche-cemented nodules (55-65 ft)					
			Initial Screen = 90		CANFTA4-SB01-0155 SB01-0255 SB01-0455		Sample 55-56 ft Time = 1105 hrs. Headspace: 250 ppm Immunoassay: TPH>10 ppm
	56						
			Initial Screen = 50				
	57						
			Initial Screen = 60				
	58						
			Initial Screen = 10				
	59						
			Initial Screen = 10				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 8 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	60						
			Initial Screen = 200				
	61						
			Initial Screen = 70				
	62	Silty Sand (SM): Dense, few, caliche-cemented nodules; moist; brown; about 70% fine sand/30% silty fines; trace clay.					
			Initial Screen = 90				
	63			Continuous Sample			
			Initial Screen = 90				
	64						
			Initial Screen = 200				
	65	30-40% caliche-cemented nodules (65-70 ft)					Sample 65-66 ft Time = 1230 hrs.
			Initial Screen = 200		CANFTA4-SB01-0165 SB01-0265 SB01-0465		Headspace: 220 ppm Immunoassay: TPH>10 ppm
	66						
			Initial Screen = 150				
	67						
			Initial Screen = 90				
	68						
			Initial Screen = 60				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 9 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	69						
			Initial Screen = 30				
	70	Silty Sand (SM): Loose; moist; brown; about 80% fine sand/20% silty fines.					
			Initial Screen = 50				
	71						
			Initial Screen = 120				
	72			Continuous Sample			
			Initial Screen = 40				
	73						
			Initial Screen = 120		CANFTA4-SB01-0173 SB01-0473		Sample 73-74 ft Time = 1300 hrs. Headspace: 60 ppm Immunoassay: TPH<10 ppm
	74						
			Initial Screen = 110				
	75						
			Initial Screen = 50				
	76						
			Initial Screen = 30				
	77						
			Initial Screen = 20				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 10 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	78						
			Initial Screen = 30				
	79						
			Initial Screen = 20				
	80	No caliche nodules (80-90 ft).	Breat. Zone: PID = 0 0% LEL				Sample 80-81 ft Time = 1420 hrs.
			Initial Screen = 70		CANFTA4-SB01-0180 SB01-0480		Headspace: 40 ppm Immunoassay: TPH<10 ppm
	81			Continuous Sample			
			Initial Screen = 70				
	82						
			Initial Screen = 30				
	83						
			Initial Screen = 10				
	84						
			Initial Screen = 10				
	85						
			Initial Screen = 9				
	86						
			Initial Screen = 10				

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HTW DRILLING LOG

HOLE No. SB01

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 11 OF 11 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	87						
			Initial Screen = 20	Continuous Sample			
	88						
			Initial Screen = 30				
	89						
			Initial Screen = 10				
	90						
		END OF BORING AT 90 FT BGS. BORING TREMIE GROUTED WITH HI-SOLIDS GROUT ON 2/20/97.					

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HTW DRILLING LOG

HOLE No. SB02

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 19, 1997	11. DATE COMPLETED Feb. 20, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 21, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Dense, cemented to 14 ft; moist; brown; about 60% fine sand/40% silty fines, trace clay;	Breat. Zone: PID = 0 ppm 0% LEL	Continuous Sample			
			Initial Screen = 0				
	1				CANFTA4-SB02-0101		Time = 0915 hrs Sample 1-2 ft Headspace: 0 ppm
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4						
			Initial Screen = 0				
	5						

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HTW DRILLING LOG

HOLE No. SB02

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above	Initial Screen = 0				
	6						
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample			
			Initial Screen = 0		CANFTA4-SB02-0109 SB02-0409		Sample: 9-10 ft Time = 0935 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	10						
			Initial Screen = 0				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13						
			Initial Screen = 0				
	14	Contains caliche-cemented nodules (14-20 ft).					

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HTW DRILLING LOG

HOLE No. SB02

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0		CANFTA4-SB02-0119 SB02-0419		Sample 19-20 ft Time = 0945 hrs. Headspace: 0 ppm Immunoassay: TPH<10 ppm
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/21/97.					

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HTW DRILLING LOG

HOLE No. SB03

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET 1 OF 3 SHEETS	
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 21, 1997
11. DATE COMPLETED	Feb. 21, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	20 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 21, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Dense; few, caliche-cemented nodules; moist; brown; about 60% fine sand/40% silty fines; trace clay.	Breat. Zone: PID = 0 ppm 0% LEL	Continuous Sample			
			Initial Screen = 0				
	1				CANFTA4-SB03-0101		Time = 1310 hrs Sample 1-2 ft
			Initial Screen = 0				Headspace: 0 ppm
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4	Sandy Silt (ML/CL): Low plasticity; moist; light brown; about 75% silty/clayey fines/25% fine sand.					
			Initial Screen = 0				
	5						

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HTW DRILLING LOG

HOLE No. SB03

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above	Initial Screen = 0				
	6						
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample			
			Initial Screen = 0		CANFTA4-SB03-0109 SB03-0409		Sample: 9-10 ft Time = 1320 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	10						
			Initial Screen = 0				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13						
		Silty Sand (SM): Moist; brown to reddish brown; about 60% fine sand/40% silty fines; trace clay.	Initial Screen = 0				
	14						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB03

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16	Cemented (16-20 ft).					
			Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0		CANFTA4-SB03-0119 SB03-0419		Sample 19-20 ft Time = 1355 hrs. Headspace: 0 ppm Immunoassay: TPH<10 ppm
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/21/97.					

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HTW DRILLING LOG

HOLE No. SB04

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET 1 OF 3 SHEETS	
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 20, 1997
11. DATE COMPLETED	Feb. 21, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	20 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 21, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Asphalt, black.	Initial Screen = 0	Continuous Sample			
	1	Silty Sand (SM): Moist; brown; about 70% fine sand/30% silty fines; trace clay.	Breat. Zone: PID = 0 ppm CGI = 0% LEL		CANFTA4-SB04-0101		Time = 1725 hrs Sample 1-2 ft Headspace: 0 ppm
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4						
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB04

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6	Sandy Silt (ML/CL): Moist; light brown; contains caliche-cemented nodules; about 75% silty/clayey fines and 25% fine sand.					
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample			
					CANFTA4-SB04-0109 SB04-0409		Sample: 9-10 ft Time = 1714 hrs
			Initial Screen = 0				Headspace: 0 ppm Immunoassay: TPH<10 ppm
	10		Breat. Zone: PID = 0 ppm CGI = 0% LEL				
			Initial Screen = 0				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13						
			Initial Screen = 0				
	14						

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HTW DRILLING LOG

HOLE No. SB04

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
		Silty Sand (SM): Moist; reddish brown; about 75% fine sand/15% silty fines.	Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						Sample 19-20 ft Time = 1800 hrs.
			Initial Screen = 0		CANFTA4-SB04-0119 SB04-0419		Headspace: 3 ppm Immunoassay: TPH<10 ppm
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/21/97.					

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HTW DRILLING LOG

HOLE No. SB05

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET 1 OF 3 SHEETS	
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 21, 1997
11. DATE COMPLETED	Feb. 21, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	20 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 21, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML): Hard; dry; about 40% fine sand/60% silty fines; trace clay.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 3				
	1						Time = 1430 hrs Sample 1-2 ft
					CANFTA4-SB05-0101		Headspace: 4 ppm
			Initial Screen = 3				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4						
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB05

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6	Sandy Silt (ML/CL): Moist; light brown; contains caliche-cemented nodules; about 75% silty/clayey fines and 25% fine sand.	Initial Screen = 0				
	7		Initial Screen = 0				
	8		Initial Screen = 0				
	9		Initial Screen = 0	Continuous Sample	CANFTA4-SB05-0109 SB05-0409		Sample: 9-10 ft Time = 1500 hrs Headspace: 3 ppm Immunoassay: TPH<10 ppm
	10		Initial Screen = 7				
	11		Initial Screen = 5				
	12		Initial Screen = 12		CANFTA4-SB05-01122 SB05-0412		Sample: 12-13 ft Time = 1505 hrs Headspace: 3 ppm Immunoassay: TPH<10 ppm
	13		Initial Screen = 6				
	14		Initial Screen = 1				

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HTW DRILLING LOG

HOLE No. SB05

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 3				
	16						
			Initial Screen = 4	Continuous Sample			
	17						
			Initial Screen = 4				
	18						
			Initial Screen = 5				
	19						
			Initial Screen = 4				
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/21/97.					

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HTW DRILLING LOG

HOLE No. SB06

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET 1 OF 3 SHEETS	
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 22, 1997
11. DATE COMPLETED	Feb. 22, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	20 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 22, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Dense; dry; light brown; about 70% fine sand/30% silty fines; trace clay.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 1				
	1				CANFTA4-SB06-0101		Time = 0755 hrs Sample 1-2 ft Headspace: 1 ppm
			Initial Screen = 2				
	2						
			Initial Screen = 2				
	3						
			Initial Screen = 2				
	4	Sandy Silt (ML/CL): Moist; light brown; contains caliche-cemented nodules; about 75% silty-clayey fines/25% fine sand.					
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB06

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 0				
	7		Initial Screen = 7		CANFTA4-SB06-0107 SB06-0407		Sample: 7-8 ft Time = 0810 hrs Headspace: 8 ppm Immunoassay: TPH<10 ppm
	8		Initial Screen = 0				
	9		Initial Screen = 0	Continuous Sample			
	10		Initial Screen = 0				
	11		Initial Screen = 0				
	12		Initial Screen = 0				
	13		Initial Screen = 0				
	14	Silty Sand (SM): Moist; brown to reddish brown; about 60% fine sand/40% silty fines.	Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB06

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0	Continuous Sample			
	17						
					CANFTA4-SB06-0117 SB06-0417		Sample 17-20 ft Time = 0825 hrs
			Initial Screen = 0		SB06-0117 (field dup.) SB06-0117 (MRDL dup)		Headspace: 6 ppm Immunoassay: TPH<10 ppm
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0				
	20						

END OF BORING AT 20 FEET BGS.
BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/22/97.

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HTW DRILLING LOG

HOLE No. SB07

1. COMPANY NAME: HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR: ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT: CANNON AFB	4. LOCATION: FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER: ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL: Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION: See Location Map	
	9. SURFACE ELEVATION: Not Available	
	10. DATE STARTED: Feb. 21, 1997	11. DATE COMPLETED: Feb. 21, 1997
12. OVERBURDEN THICKNESS: Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED: Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK: Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE: 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	2	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 22, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Very dense; cemented; few caliche cemented nodules; damp; brown; about 60% fine sand/40% silty fines; trace clay.	Breat. Zone: PID = 3 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 1				
	1						Time = 1115 hrs Sample 1-2 ft
					CANFTA4-SB07-0101		Headspace: 1 ppm
			Initial Screen = 2				
	2						
			Initial Screen = 2				
	3						
			Initial Screen = 1				
	4						
		Sandy Silt (ML): Moist; light brown; about 60% silt/40% fine sand; trace clay.	Initial Screen = 1				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB07

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 1				
	7						
			Initial Screen = 1				
	8						
			Initial Screen = 1				
	9			Continuous Sample			
			Initial Screen = 2		CAFTFTA4-SB07-0109 SB07-0409		Sample: 9-10 ft Time = 1130 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	10						
			Initial Screen = 1				
	11						
			Initial Screen = 1				
	12						
			Initial Screen = 0				
	13						
			Initial Screen = 0				
	14						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB07

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 1	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 1		CANFTA4-SB07-0119 SB07-0419		Sample 19-20 ft Time = 1145 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/21/97.					

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HTW DRILLING LOG

HOLE No. SB08

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML): Dense; moist; medium brown; uncemented; about 75% silt/25% fine sand.	Breat. Zone: PID = 0 ppm CGI = 0% LEL				
			Initial Screen = 0				
	1						
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						Time = 0740 hrs Sample 3-4 ft
		Sandy Silt (ML): Dry; light brown; about 35% fine sand/65% silty fines; contains caliche cemented nodules.	Initial Screen = 3	Continuous Sample	CANFTA4-SB08-0103 SB08-0403		Headspace: 0 ppm
	4						
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB08

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample			
			Initial Screen = 0				
	10						
			Initial Screen = 1		CANFTA4-SB08-0110 SB08-0410		Sample: 10-11 ft Time = 0850 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	11						
			Initial Screen = 0				
	12	Silty Sand (SM): Dry; light brown; contains caliche cemented nodules; about 60% fine sand/40% silty fines.					
			Initial Screen = 0				
	13						
			Initial Screen = 0				
	14						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB08

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0				
	20						
		END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB09

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Dense; moist, medium brown; uncemented; contains organics.	Breat. Zone: PID = 0 ppm CGI = 0% LEL				
			Initial Screen = 0				
	1						Time = 0950 hrs Sample 1-2 ft
			Initial Screen = 1		CANFTA4 SB09-0101		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	2						Time = 0955 hrs Sample 2-3 ft
			Initial Screen = 3		CANFTA4 SB09-0102		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	3	Sandy Silt (ML): Dry; light brown; about 35% fine sand/65% silty fines; contains caliche cemented nodules; trace clay.					
			Initial Screen = 2	Continuous Sample			
	4						
			Initial Screen = 1				
	5						
			Initial Screen = 2				

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HTW DRILLING LOG

HOLE No. SB09

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 1	Continuous Sample			
	7		Initial Screen = 1				
	8		Initial Screen = 1				
	9		Initial Screen = 1				
	10		Initial Screen = 3				
	11		Initial Screen = 2		— — —		
	12		Initial Screen = 2				
	13		Initial Screen = 2				
	14		Initial Screen = 2				

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HTW DRILLING LOG

HOLE No. SB09

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15				CANFTA4-SB09-0115 SB09-0415		Sample 15-16 ft Time = 1000 hrs
			Initial Screen = 3				Headspace: 0 ppm Immunoassay: TPH<10 ppm
	16						
			Initial Screen = 1	Continuous Sample			
	17						
			Initial Screen = 1				
	18						
			Initial Screen = 1				
	19						
			Initial Screen = 1				
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB10

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 22, 1997	11. DATE COMPLETED Feb. 22, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 22, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML/CL): Moist; low plasticity; red brown; about 60% fines/40%fine sand.	Breat. Zone: PID = 0 ppm (bkgrnd = 3)	Continuous Sample	CANFTA4-SB10-0101		Time = 1545 hrs Sample 0-1 ft
			Initial Screen = 4				Headspace: 3 ppm
	1		Initial Screen = 4				
	2		Initial Screen = 4				
	3		Initial Screen = 4				
	4	Sandy Silt (ML/CL): Dry; light brown; low plasticity; about 90% fines/10% fine sand;	Initial Screen = 4				
	5		Initial Screen = 3				

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HTW DRILLING LOG

HOLE No. SB10

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 6	Continuous Sample	CANFTA4-SB10-0106 SB10-0406		Sample: 6-7 ft Time = 1605 hrs Headspace: 5 ppm Immunoassay: TPH<10 ppm
	7		Initial Screen = 6				
	8		Initial Screen = 4				
	9		Initial Screen = 4				
	10		Initial Screen = 7		CANFTA4-SB10-0110 SB10-0410		Sample: 10-11 ft Time = 1615 hrs Headspace: 5 ppm Immunoassay: TPH<10 ppm
	11		Initial Screen = 6				
	12		Initial Screen = 4				
	13		Initial Screen = 4				
	14		Initial Screen = 6				

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HTW DRILLING LOG

HOLE No. SB10

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above	Initial Screen = 6	Continuous Sample			
	15						
			Initial Screen = 8				
	16						
			Initial Screen = 4				
	17						
			Initial Screen = 3				
	18						
			Initial Screen = 5				
	19						
			Initial Screen = 6				
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/22/97.					

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HTW DRILLING LOG

HOLE No. SB11

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET	1 OF 3 SHEETS
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 22, 1997
11. DATE COMPLETED	Feb. 22, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	20 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered
18. GEOTECHNICAL SAMPLES	DISTURBED 2; UNDISTURBED None
19. TOTAL NUMBER OF CORE BOXES	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 22, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Fill (GM): Black; gravel/sand/silt mixture.	Breat. Zone: PID = 0 ppm CGI = 0% LEL Initial Screen = 2	Continuous Sample			
	1				CANFTA4-SB11-0101		Time = 0935 hrs Sample 1-2 ft Headspace: 3 ppm
		Sandy Silt (ML/CL): Moist; reddish brown; low plasticity; about 60% fine sand/40% silt.	Initial Screen = 2				
	2		Initial Screen = 1				
	3	Silty Sand (SM): Moist; brown; about 70% fine sand/30% silt; trace clay.	Initial Screen = 1				
	4		Initial Screen = 0				
	5		Initial Screen = 1				

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HTW DRILLING LOG

HOLE No. SB11

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 0				
	7		Initial Screen = 1		CANFTA4-SB11-0107 SB11-0407		Sample: 7-8 ft Time = 0945 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	8		Initial Screen = 0				
	9		Initial Screen = 0	Continuous Sample			
	10		Initial Screen = 0				
	11		Initial Screen = 0				
	12		Initial Screen = 0				
	13		Initial Screen = 0				
	14						

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HTW DRILLING LOG

HOLE No. SB11

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 1				
	16	Some calcareous nodules (16-20 ft)					
			Initial Screen = 0	Continuous Sample			
	17						
					CANFTA4-SB11-0117 SB11-0417		Sample 17-18 ft Time = 1000 hrs
			Initial Screen = 2				Headspace: 4 ppm Immunoassay: TPH<10 ppm
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 1				
	20						
		END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/22/97.					

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HTW DRILLING LOG

HOLE No. SB12

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 5 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 22, 1997	11. DATE COMPLETED Feb. 22, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 40 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
5	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 22, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Asphalt: Black (0-8")	Breat. Zone: PID = 0 ppm CGI = 0% LEL Initial Screen = 140	Continuous Sample			
	1	Sandy Silt (ML): Moist; Non-plastic; reddish brown; about 60% silt/40% fine sand.	Initial Screen = 60		CANFTA4-SB12-0101		Time = 1145 hrs Sample 1-2 ft Headspace: 2 ppm
	2		Initial Screen = 20		CANFTA4-SB12-01022		Time = 1200 hrs Sample 2-3 ft Headspace: 7 ppm Immunoassay: TPH<10ppm
	3	Sandy Silt (ML/CL): Moist; low plasticity; some caliche-cemented nodules; brown; about 85% fines/15% fine sand.	Initial Screen = 10				
	4		Initial Screen = 40				
	5		Initial Screen = 11				

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HTW DRILLING LOG

HOLE No. SB12

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 13				
	7						
			Initial Screen = 7				
	8						
			Initial Screen = 6				
	9			Continuous Sample			
			Initial Screen = 5				
	10						
			Initial Screen = 7		CANFTA4-SB12-0110 SB12-0410		Sample: 10-11 ft Time = 1115 hrs Headspace: 7 ppm Immunoassay: TPH>10 ppm
	11						
			Initial Screen = 4				
	12						
			Initial Screen = 3				
	13						
			Initial Screen = 0				
	14						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB12

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0 (Bkgrnd = 3)				
	20						
			Initial Screen = 5				
	21						
			Initial Screen = 6		CANFTA4-SB12-0121 SB12-0421		Sample 21-22 ft Time = 1400 hrs Headspace: 3 ppm Immunoassay: TPH<10 ppm
	22						
			Initial Screen = 3				
	23						
			Initial Screen = 3				

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HTW DRILLING LOG

HOLE No. SB12

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 4 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	24						
		Silty Sand (SM): Moist; non-plastic; brown; about 65% fine sand/35% silty fines.	Initial Screen = 3 (Bkgrnd = 3)				
	25		Initial Screen = 3				
	26		Initial Screen = 3				
	27		Initial Screen = 3	Continuous Sample			
	28		Initial Screen = 3				
	29		Initial Screen = 3 (Bkgrnd = 4)				
	30		Initial Screen = 10		CANFTA4-SB12-0130 SB12-0430		Sample 30-31 ft Time = 1440 hrs. Headspace: 10 ppm Immunoassay: TPH<10 ppm
	31		Initial Screen = 5				
	32		Initial Screen = 4				

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HTW DRILLING LOG

HOLE No. SB12

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 5 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	33						
			Initial Screen = 5				
	34						
			Initial Screen = 5				
	35						
			Initial Screen = 5				
	36			Continuous Sample			
			Initial Screen = 5				
	37						
			Initial Screen = 4				
	38						
			Initial Screen = 5				
	39						
			Initial Screen = 5				
	40						
		END OF BORING AT 40 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/22/97.					

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HTW DRILLING LOG

HOLE No. SB13

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML): Moist; medium brown; about 40% fine sand/60% silty fines; contains organic material.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 1.5				
	1						Time = 1110 hrs Sample 1-2 ft
					CANFTA4-SB13-0101		Headspace: 1.5 ppm
			Initial Screen = 1.5				
	2		(Bkgrnd = 0)				
			Initial Screen = 2				
	3	Dry with caliche-cemented nodules.					
			Initial Screen = 2.5				
	4						Time = 1115 hrs Sample 4-5 ft
			Initial Screen = 3		CANFTA4-SB13-0104 SB13-0404		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	5						
			Initial Screen = 1.5				

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HTW DRILLING LOG

HOLE No. SB13

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above	(Bkgrnd = 1.5 ppm)				
	6						
			Initial Screen = 1.5				
	7						
			Initial Screen = 1.5				
	8						
			Initial Screen = 1.5				
	9			Continuous Sample			
			Initial Screen = 1.5 (Bkgrnd = 2 ppm)				
	10						
			Initial Screen = 2				
	11						
			Initial Screen = 2				
	12	Silty Sand (SM/ML): Dry; non-plastic; light brown; about 65% fine sand/35% silty fines; contains caliche-cemented nodules.					
			Initial Screen = 2				
	13						
			Initial Screen = 2				
	14						
			Initial Screen = 2				

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HTW DRILLING LOG

HOLE No. SB13

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15		Initial Screen = 3	Continuous Sample	CANFTA4-SB13-0115 SB13-0415 SB13-0115 (Field Dup) SB13-0202 (MRDL Dup)		Sample 15-17 ft Time = 1125 hrs Headspace: 0 ppm Immunoassay: TPH<10 ppm
	16		Initial Screen = 2				
	17		Initial Screen = 2				
	18		Initial Screen = 2				
	19		Initial Screen = 2				
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB14

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Moist; medium brown; about 75% fine sand/25% silty fines; trace clay.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 2.5				
	1				CANFTA4-SB14-0101		Time = 1620 hrs Sample 1-2 ft
			Initial Screen = 1				
	2				CANFTA4-SB14-0102		Time = 1630 hrs Sample 2-3 ft
			Initial Screen = 1				Headspace: 1 ppm Immunoassay: TPH<10 ppm
	3						
			Initial Screen = 0				
	4	Silty Sand (SM): Dry; light brown; about 70% fine sand/30% silty fines; trace clay; contains caliche-cemented nodules.					
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB14

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 0				
	7		Initial Screen = 0				
	8		Initial Screen = 0				
	9		Initial Screen = 0	Continuous Sample			
	10		Initial Screen = 1				
	11		Initial Screen = 0				
	12		Initial Screen = 0				
	13		Initial Screen = 0				
	14		Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB14

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15		Initial Screen = 2	Continuous Sample	CANFTA4-SB14-0115 SB14-0415		Sample 15-16 ft Time = 1635 hrs Headspace: 2 ppm Immunoassay: TPH<10 ppm
	16		Initial Screen = 0				
	17		Initial Screen = 0				
	18		Initial Screen = 0				
	19		Initial Screen = 0				
	20	END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB15

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Asphalt	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 1				
			(Bkgrnd = 1 ppm)				
	1	Sandy Silt (ML/CL): Moist; medium brown; about 60% silty/clayey fines/40% fine sand; contains caliche-cemented nodules.			CANFTA4-SB15-0101		Time = 1400 hrs Sample 1-2 ft Headspace = 1 ppm
			Initial Screen = 1				
	2						
			Initial Screen = 1				
	3						
			Initial Screen = 1				
	4						
			Initial Screen = 1				
	5						
			Initial Screen = 1				

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HTW DRILLING LOG

HOLE No. SB15

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 1				
	7						
			Initial Screen = 1				
	8						
			Initial Screen = 1				
	9			Continuous Sample	CANFTA4-SB15-0109 SB15-0409		Sample = 9-10 ft Time = 1405 hrs
			Initial Screen = 1 (Bkgrnd = 0)				Headspace = 1 ppm Immunoassay = TPH<10 ppm
	10						
			Initial Screen = 0				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13	Silty Sand (SM): Dry; light brown; contains caliche-cemented nodules; about 65% fine sand/35% silty fines; trace clay.					
			Initial Screen = 0				
	14						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB15

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0	Continuous Sample			
	17						
			Initial Screen = 0				
	18						
			Initial Screen = 0				
	19						
			Initial Screen = 0		CANFTA4-SB15-0119 SB15-0419		Sample 19-20 ft Time = 1415 hrs
	20						Headspace: 1 ppm Immunoassay: TPH<10 ppm
		END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB16

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 3 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 23, 1997	11. DATE COMPLETED Feb. 23, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 20 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
3	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 23, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Asphalt	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
		Sandy Silt (ML/CL): Dry; medium brown; about 60% silty/clayey fines/40% fine sand.	Initial Screen = 2				
	1				CANFTA4-SB16-0101		Time = 1500 hrs Sample 1-2 ft Headspace = 1 ppm
			Initial Screen = 1.5				
	2						
			Initial Screen = 1.5				
	3						
			Initial Screen = 2				
	4						
		Sandy Silt (ML): Moist; non-plastic; brown; about 60% silty fines/40% fine sand.	Initial Screen = 2		CANFTA4-SB16-0104 SB16-0404		Time = 1505 hrs Sample 4-5 ft Headspace = 1 ppm Immunoassay = TPH<10 ppm
	5		Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB16

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8	Silty Sand (SM/ML): Dry; light brown; contains caliche-cemented nodules; about 50% fine sand/50% silty fines.					
			Initial Screen = 0	Continuous Sample			
	9						
			Initial Screen = 0				
	10				CANFTA4-SB16-0110 SB16-0410		Sample = 10-11 ft Time = 1515 hrs Headspace = 1 ppm Immunoassay = TPH<10 ppm
			Initial Screen = 3				
	11						
			Initial Screen = 1				
	12						
			Initial Screen = 1				
	13						
			Initial Screen = 1				
	14						
			Initial Screen = 1				

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HTW DRILLING LOG

HOLE No. SB16

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 1				
	16						
			Initial Screen = 1	Continuous Sample			
	17						
			Initial Screen = 1.5				
	18						
			Initial Screen = 1				
	19						
			Initial Screen = 0.5				
	20						
		END OF BORING AT 20 FEET BGS. BORING TREMIE GROUTED WITH HI-SOLIDS BENTONITE GROUT ON 2/23/97.					

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HTW DRILLING LOG

HOLE No. SB17

1. COMPANY NAME	HARZA ENVIRONMENTAL SERVICES, INC.
2. DRILLING SUBCONTRACTOR	ALLIANCE ENVIRONMENTAL
SHEET	1 OF 8 SHEETS
3. PROJECT	CANNON AFB
4. LOCATION	FIRE TRAINING AREA No. 4
5. NAME OF DRILLER	ED MILLER
6. MANUFACTURER'S DESIGNATION OF DRILL	Rotasonic
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT	Rotasonic using 4" diameter core Barrel
8. HOLE LOCATION	See Location Map
9. SURFACE ELEVATION	Not Available
10. DATE STARTED	Feb. 25, 1997
11. DATE COMPLETED	Feb. 25, 1997
12. OVERBURDEN THICKNESS	Bedrock Not Encountered
15. DEPTH GROUNDWATER ENCOUNTERED	Groundwater Not Encountered
13. DEPTH DRILLED INTO ROCK	Bedrock Not Encountered
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	Groundwater Not Encountered
14. TOTAL DEPTH OF HOLE	60 feet BGS
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	Groundwater Not Encountered

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	4	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
7	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 25, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Silty Sand (SM): Moist; brown; non-plastic; about 85% fine sand/15% silty fines.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 0				
	1				CANFTA4-SB17-0101		Time = 0845 hrs Sample 1-2 ft Headspace = 0 ppm
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4	Sandy Clay (CL/ML): Dry; low plasticity; light brown; about 60% silty/clayey fines/ 40% fine sand.					
			Initial Screen = 0				
	5						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB17

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6		Initial Screen = 0				
	7		Initial Screen = 0				
	8		Initial Screen = 0				
	9		Initial Screen = 0	Continuous Sample	CANFTA4-SB17-0109 SB17-0209 SB17-0409		Sample = 9-10 ft Time = 0850 hrs Headspace = 0 ppm Immunoassay = TPH<10 ppm
	10		Initial Screen = 0				
	11		Initial Screen = 0				
	12		Initial Screen = 0				
	13	Silty Sand (SM): Moist; non-plastic; brown to reddish brown; about 60% fine sand/40% silty fines.	Initial Screen = 0				
	14		Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB18

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16	Clayey Sand (SM/SC): Low plasticity; moist; red-brown; about 40% silty/clayey fines/60% fine sand.					
			Initial Screen = 0				
	17						
			Initial Screen = 0				
	18			Continuous Sample			
			Initial Screen = 0				
	19						
			Initial Screen = 0		CANFTA4-SB17-0119 SB17-0219 SB17-0419		Sample 19-20 ft Time = 0905 hrs. Headspace: 0 ppm Immunoassay: TPH<10 ppm
	20						
			Initial Screen = 0				
	21						
			Initial Screen = 0				
	22						
			Initial Screen = 0				
	23						
			Initial Screen = 0				

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HTW DRILLING LOG

HOLE No. SB17

PROJECT CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR R. W. SUDA

SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	24						
			Initial Screen = 0				
	25						
			Initial Screen = 0				
	26						
			Initial Screen = 0				
	27	Silty Sand (SM/SC): Loose; low plasticity; dry; light brown; about 60% fine sand/40% silty fines.		Continuous Sample			
			Initial Screen = 1.5				
	28						
			Initial Screen = 1.5				
	29						Sample 29-30 ft Time = 0930 hrs.
			Initial Screen = 1.5		CANFTA4- SB17-0129 SB17-0229 SB17-0429		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	30						
			Initial Screen = 1				
	31						
			Initial Screen = 1				
	32						
			Initial Screen = 1				

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HTW DRILLING LOG

HOLE No. SB17

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	33						
			Initial Screen = 0				
	34						
			Initial Screen = 2				
	35						
			Initial Screen = 1				
	36			Continuous Sample			
			Initial Screen = 2				
	37						
			Initial Screen = 2				
	38						
			Initial Screen = 1				
	39						Sample 39-40 ft Time = 0955 hrs.
			Initial Screen = 2		CANFTA4-SB17-0139 SB17-0439		Headspace: 10 ppm Immunoassay: TPH<10 ppm
	40	Silty Sand (SM/ML): Loose; dry; brown; about 50% fine sand/50% silty fines.					
			Initial Screen = 2				
	41		Initial Screen = 3				

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HTW DRILLING LOG

HOLE No. SB17

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	42						
			Initial Screen = 0				
	43						
			Initial Screen = 0				
	44	Silty Sand (SM): Loose; non-plastic; moist; reddish brown; about 60% fine sand/40% silty fines.					
			Initial Screen = 0				
	45			Continuous Sample			Sample 45-46 ft Time = 1025 hrs.
			Initial Screen = 6		CANFTA4-SB17-0145 SB17-0445		Headspace: 8 ppm Immunoassay: TPH<10 ppm
	46						
			Initial Screen = 2				
	47						
			Initial Screen = 3				
	48						
			Initial Screen = 0				
	49						
			Initial Screen = 1				
	50						

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB17

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	51						
	52						
	53						
	54			Continuous Sample			
	55						
	56						
	57						
	58						
	59				CANFTA4- SB17-0159 SB17-0259 SB17-0459		Sample = 59-60 ft Time = 1125 hrs Headspace = 0 ppm Immunoassay = TPH<10 ppm

c:\cdrtmisc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB17

PROJECT CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR R. W. SUDA

SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	60						
		END OF BORING AT 60 FT BGS. BORING TREMIE GROUTED WITH HI-SOLIDS GROUT ON 2/25/97.					

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 8 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 25, 1997	11. DATE COMPLETED Feb. 25, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 60 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	3	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
7	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 25, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML): Moist; brown; about 70% fine sand/30% silty fines; trace clay.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 0				
	1				CANFTA4-SB18-0101		Time = 1335 hrs Sample 1-2 ft Headspace = 0 ppm
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4						
		Sandy Silt (ML/CL): Low plasticity; moist; brown; about 80% fines/20% fine sand.	Initial Screen = 0				
	5						
			Initial Screen = 0				

c:\cdf\misc\htw1.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR R. W. SUDA

SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
			Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample	CANFTA4-SB18-0109 SB18-0409		Sample = 9-10 ft Time = 1340 hrs Headspace = 0 ppm Immunoassay = TPH<10 ppm
			Initial Screen = 0				
	10						
			Initial Screen = 0				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13	Silty Sand (SM): Moist; brown to reddish brown; about 60% fine sand/40% silty fines.					
			Initial Screen = 1				
	14						
			Initial Screen = 0				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 0				
	17						
			Initial Screen = 0				
	18			Continuous Sample			
			Initial Screen = 0				
	19				— — —		
			Initial Screen = 1		CANFTA4- SB18-0119 SB18-0219 SB18-0419		Sample 19-20 ft Time = 1405 hrs. Headspace: 0 ppm Immunoassay: TPH<10 ppm
	20				— — —		
			Initial Screen = 0				
	21						
			Initial Screen = 0				
	22						
			Initial Screen = 0				
	23						
			Initial Screen = 2				

c:\cdf\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	24		Initial Screen = 3	Continuous Sample	CANFTA4-SB18-0124 SB18-0424		Sample 24-25 ft Time = 1420 hrs. Headspace: 0 ppm Immunoassay: TPH<10 ppm
	25		Initial Screen = 2				
	26		Initial Screen = 0				
	27		Initial Screen = 0				
	28		Initial Screen = 0				
	29	Silty Sand (SM): Loose; dry; light brown; about 60% fine sand; 40% silty fines.	Initial Screen = 0				
	30		Initial Screen = 1				
	31		Initial Screen = 0				
	32		Initial Screen = 1				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR R. W. SUDA

SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	33						Sample 33-34 ft Time = 1455 hrs.
			Initial Screen = 10		CANFTA4-SB18-0133 SB18-0233 SB18-0433		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	34						
			Initial Screen = 3				
	35						
			Initial Screen = 0				
	36			Continuous Sample			
			Initial Screen = 1				
	37						
			Initial Screen = 1				
	38						
			Initial Screen = 0				
	39						
			Initial Screen = 1				
	40						
			Initial Screen = 0				
	41						
			Initial Screen = 2				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	42						
			Initial Screen = 3				
	43						Sample 43-44 ft Time = 1530 hrs.
			Initial Screen = 3		CANFTA4-SB18-0143 SB18-0443		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	44	Silty Sand (SM/ML): Loose; moist; brown - reddish brown; about 50% fine sand/50% silty fines.					
			Initial Screen = 1				
	45			Continuous Sample			
			Initial Screen = 2				
	46						
			Initial Screen = 0				
	47						
			Initial Screen = 2				
	48						
			Initial Screen = 1				
	49						
			Initial Screen = 1				
	50						
			Initial Screen = 2				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	51						
			Initial Screen = 0				
	52						
			Initial Screen = 0				
	53						
			Initial Screen = 0				
	54			Continuous Sample			
			Initial Screen = 0				
	55						
			Initial Screen = 0				
	56						
			Initial Screen = 2		CANFTA4-SB18-0156 SB18-0256 SB18-0456		Sample = 56-57 ft Time = 1555 hrs Headspace = 0 ppm Immunoassay = TPH<10 ppm
	57						
			Initial Screen = 0				
	58						
			Initial Screen = 0				
	59						
			Initial Screen = 2				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB18

PROJECT CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR R. W. SUDA

SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	60						
		END OF BORING AT 60 FT BGS. BORING TREMIE GROUTED WITH HI-SOLIDS GROUT ON 2/25/97.					

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

1. COMPANY NAME HARZA ENVIRONMENTAL SERVICES, INC.	2. DRILLING SUBCONTRACTOR ALLIANCE ENVIRONMENTAL	SHEET 1 OF 8 SHEETS
3. PROJECT CANNON AFB	4. LOCATION FIRE TRAINING AREA No. 4	
5. NAME OF DRILLER ED MILLER	6. MANUFACTURER'S DESIGNATION OF DRILL Rotasonic	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Rotasonic using 4" diameter core Barrel	8. HOLE LOCATION See Location Map	
	9. SURFACE ELEVATION Not Available	
	10. DATE STARTED Feb. 26, 1997	11. DATE COMPLETED Feb. 26, 1997
12. OVERBURDEN THICKNESS Bedrock Not Encountered	15. DEPTH GROUNDWATER ENCOUNTERED Groundwater Not Encountered	
13. DEPTH DRILLED INTO ROCK Bedrock Not Encountered	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED Groundwater Not Encountered	
14. TOTAL DEPTH OF HOLE 60 feet BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Groundwater Not Encountered	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	None	None	Not Applicable

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	SVOC	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
7	2 X 2 oz.	1 X 8 oz.	TRPH, Metals, CN 1 X 16 oz.	Immunoassay 1 X 8 oz.	None	NA %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	Feb. 25, 1997	NA		Robert W. Suda

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	0	Sandy Silt (ML/CL): Low plasticity; moist; medium brown; about 60% fines/40% fine sand.	Breat. Zone: PID = 0 ppm CGI = 0% LEL	Continuous Sample			
			Initial Screen = 0				
	1						Time = 0805 hrs Sample 1-2 ft
					CANFTA4-SB19-0101		Headspace = 0 ppm
			Initial Screen = 0				
	2						
			Initial Screen = 0				
	3						
			Initial Screen = 0				
	4						Time = 0810 hrs Sample 4-5 ft
					CANFTA4-SB19-0104 SB19-0404		Headspace = 0 ppm Immunoassay = TPH<10 ppm
			Initial Screen = 2				
	5						
			Initial Screen = 0				

c:\cdr\misc\htw1.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	6						
		Silty Sand (SM): Dry; light brown; brown; about 60% fine sand/40% silty fines; trace clay.	Initial Screen = 0				
	7						
			Initial Screen = 0				
	8						
			Initial Screen = 0				
	9			Continuous Sample			
			Initial Screen = 1				
	10						
			Initial Screen = 3				
	11						
			Initial Screen = 0				
	12						
			Initial Screen = 0				
	13	Brown to reddish brown; moist; non-plastic.					
			Initial Screen = 0				
	14						
			Initial Screen = 0				

c:\cad\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	15						
			Initial Screen = 0				
	16						
			Initial Screen = 1				
	17						
							Sample 17-18 ft Time = 0825 hrs.
			Initial Screen = 3		CANFTA4-SB19-0117 SB19-0417		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	18			Continuous Sample			
			Initial Screen = 0				
	19						
			Initial Screen = 2				
	20						
			Initial Screen = 0				
	21						
			Initial Screen = 0				
	22						
			Initial Screen = 1				
	23						
			Initial Screen = 0				

c:\odh\misc\htw2.wp

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	24						
			Initial Screen = 0				
	25						
			Initial Screen = 0				
	26						
			Initial Screen = 0				
	27			Continuous Sample			
			Initial Screen = 0				
	28						
			Initial Screen = 0				
	29	Light brown; dry; non-plastic.					Sample 29-30 ft Time = 0850 hrs.
			Initial Screen = 8		CANFTA4-SB19-0129 SB19-0429		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	30						
			Initial Screen = 2				
	31						
			Initial Screen = 3				
	32						
			Initial Screen = 1				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	33						Sample 33-34 ft Time = 0930 hrs.
			Initial Screen = 5		CANFTA4-SB19-0133 SB19-0433		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	34						
			Initial Screen = 2				
	35						
			Initial Screen = 1				
	36			Continuous Sample			
			Initial Screen = 1				
	37						
			Initial Screen = 2				
	38						
			Initial Screen = 0				
	39						
			Initial Screen = 2				
	40						
			Initial Screen = 3				
	41						
			Initial Screen = 6				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	42						
			Initial Screen = 1				
	43						
			Initial Screen = 5				
	44						
			Initial Screen = 4				
	45			Continuous Sample			Sample 45-46 ft Time = 1010 hrs.
			Initial Screen = 6		CANFTA4-SB19-0145 SB19-0445		Headspace: 0 ppm Immunoassay: TPH<10 ppm
	46						
			Initial Screen = 4				
	47						
			Initial Screen = 3				
	48						
			Initial Screen = 2				
	49						
			Initial Screen = 2				
	50						
			Initial Screen = 0				

c:\cdr\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	51						
			Initial Screen = 0				
	52						
			Initial Screen = 0				
	53						
			Initial Screen = 3				
	54			Continuous Sample			
			Initial Screen = 2				
	55						
			Initial Screen = 1				
	56						
			Initial Screen = 0				
	57						
			Initial Screen = 0				
	58						
			Initial Screen = 3				
	59						Sample = 59-60 ft Time = 1100 hrs Headspace = 0 ppm Immunoassay = TPH<10 ppm
			Initial Screen = 11		CANFTA4-SB19-0159 SB19-0459		

c:\cad\misc\htw2.cdr

HTW DRILLING LOG

HOLE No. SB19

PROJECT: CANNON AFB/FIRE TRAINING AREA No. 4

INSPECTOR: R. W. SUDA

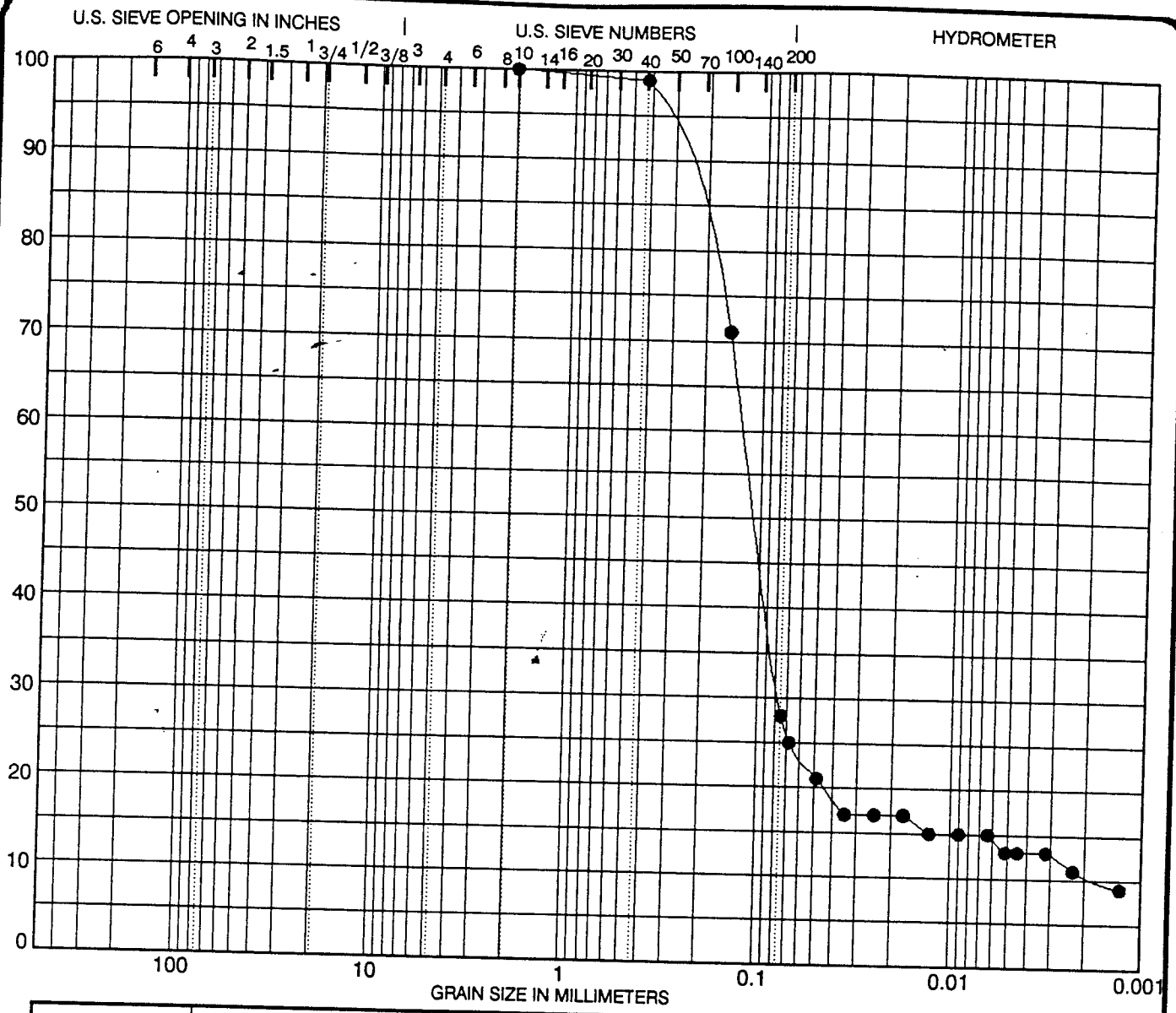
SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		See Above					
	60						
		END OF BORING AT 60 FT BGS. BORING TREMIE GROUTED WITH HI-SOLIDS GROUT ON 2/26/97.					

c:\cdr\misc\htw2.cdr

APPENDIX D

TESTING SERVICE CORPORATION (TSC) GEOTECHNICAL TESTING DATA REPORTS



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Reddish brown clayey SAND (SC)			
CANFTA 4 SB-01 0203	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	72	15	13
	3/8	100				
	# 4	100	%MC			
	# 10	100	11.4			
	# 40	99				
	# 100	71				
	# 200	28				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

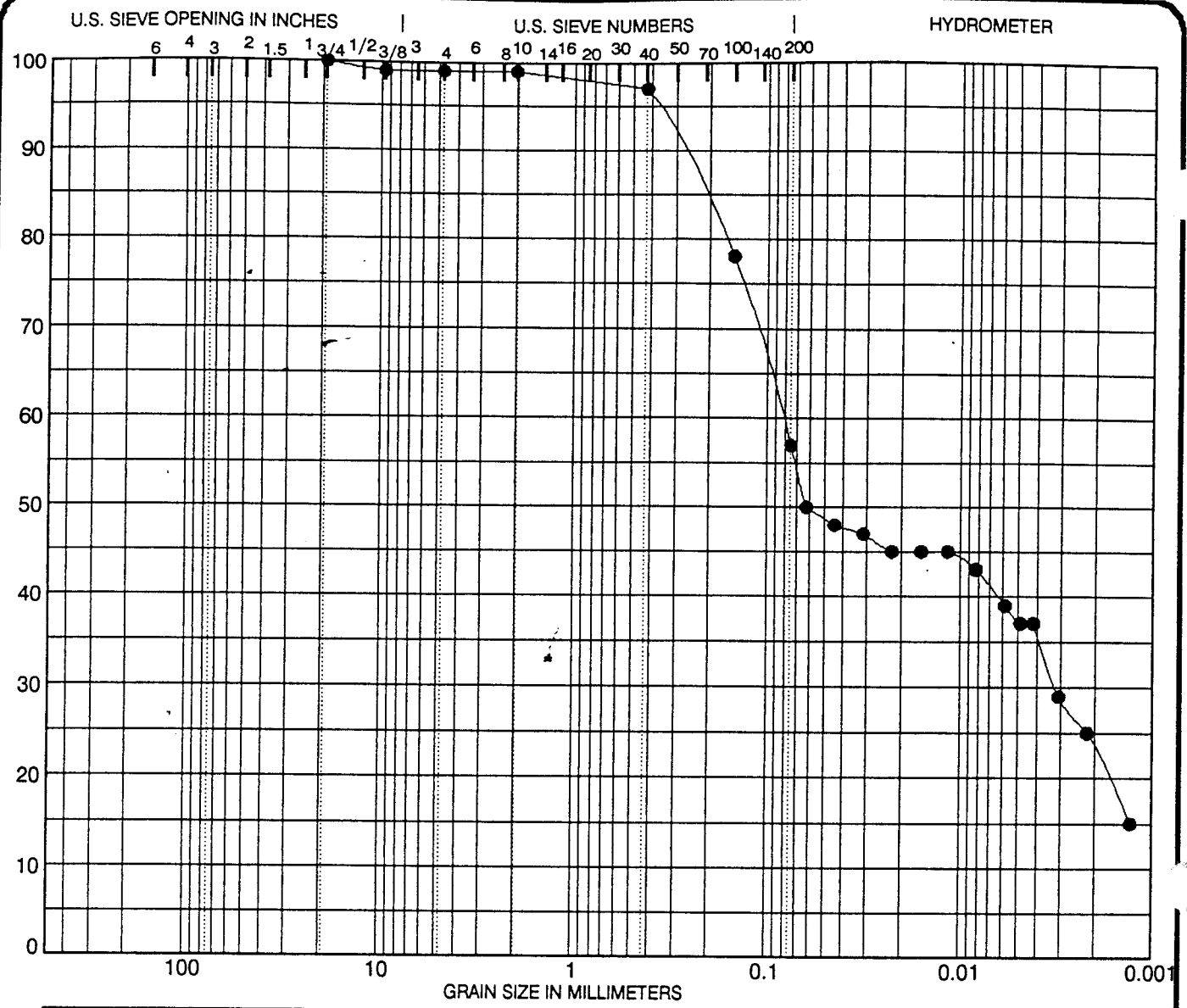
DATE June 9, 1997

1

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink sandy CLAY, trace gravel (CL)			
CANFTA 4 SB-01 0229	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	1	42	20	37
	3/8	99				
	# 4	99	%MC			
	# 10	99	8.2			
	# 40	97				
	# 100	78				
	# 200	57				

PROJECT LOCATION: Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

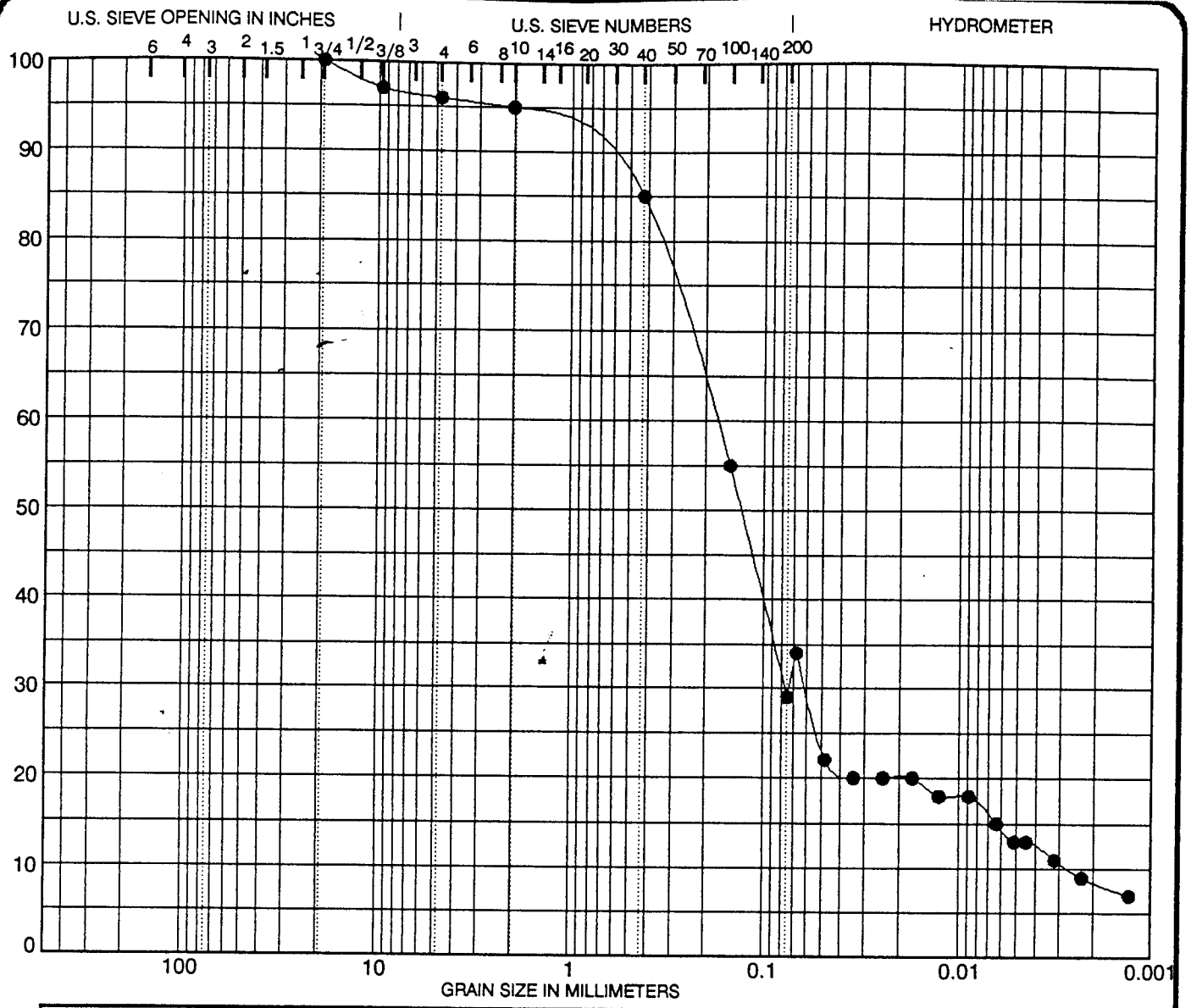
DATE June 9, 1997

2

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Reddish brown clayey SAND, trace gravel			
CANFTA 4 SB-01 0242	2	100	(SC)			
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	4	67	16	13
	3/8	97				
	# 4	96	%MC			
	# 10	95	13.5			
	# 40	85				
	# 100	55				
	# 200	29				

PROJECT Cannon Air Force Base -
LOCATION Chicago, Harza Engineering

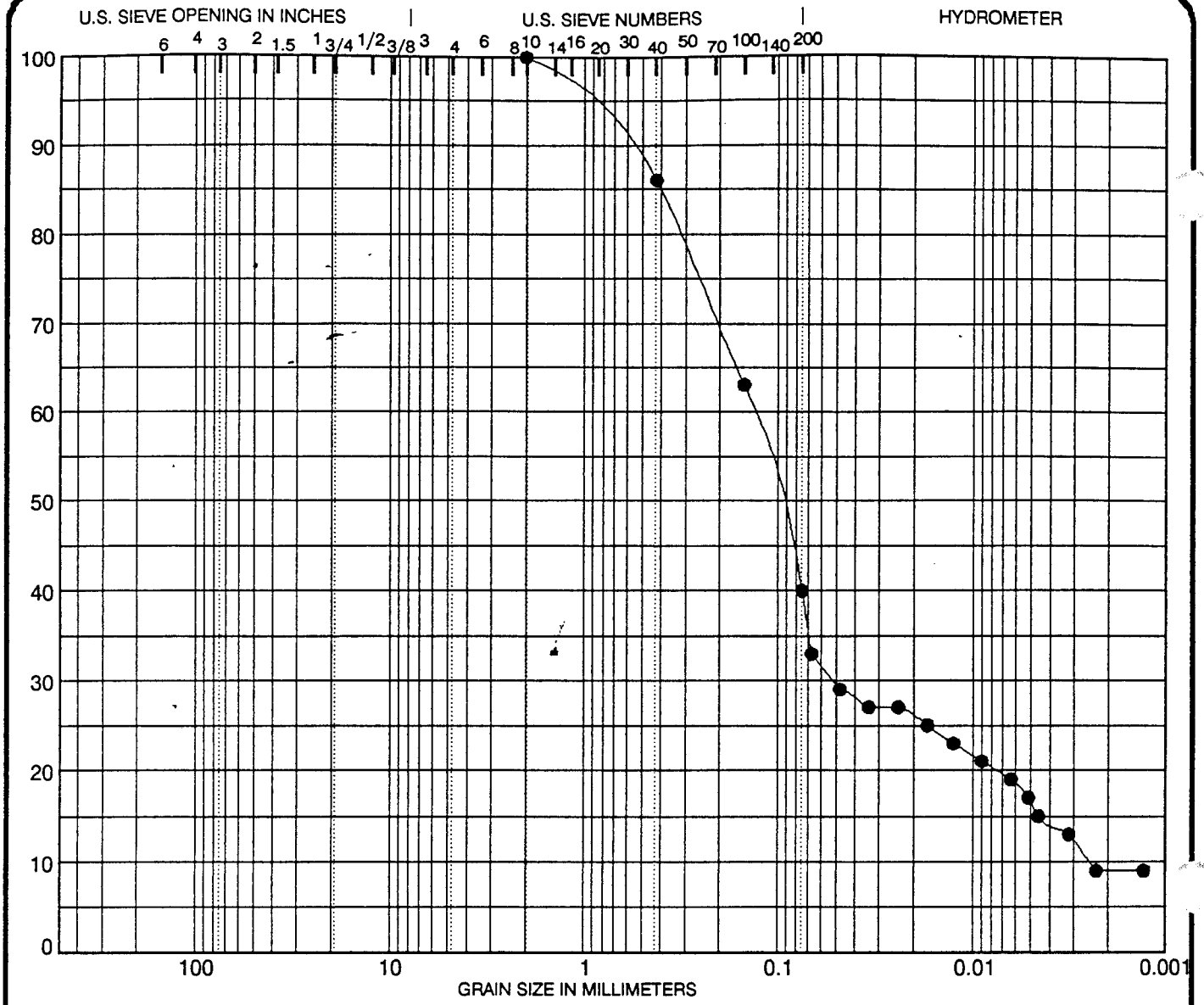
JOB NO. L - 42,420
DATE June 9, 1997

3

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink clayey SAND (SC)			
CANFTA 4 SB-01 0265	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	60	24	16
	3/8	100				
	# 4	100	%MC			
	# 10	100	14.9			
	# 40	86				
	# 100	63				
	# 200	40				

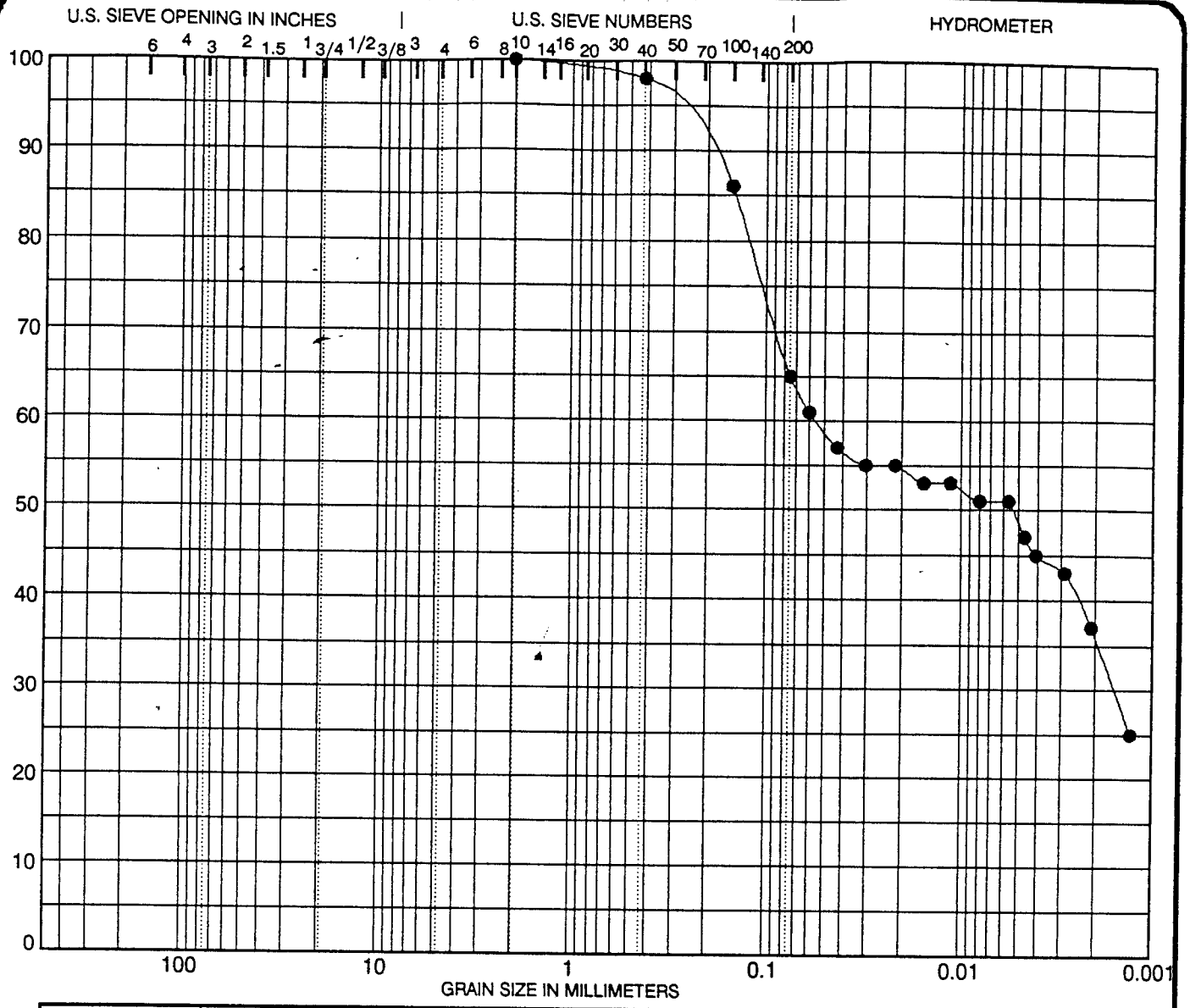
PROJECT Cannon Air Force Base -
LOCATION Chicago, Harza Engineering

JOB NO. L - 42,420
DATE June 9, 1997

4

SOIL DATA SHEET

Testing Service Corporation
CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink sandy LEAN CLAY (CL)			
CANFTA 4 SB-17 0209	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	35	17	48
	3/8	100				
	# 4	100	%MC			
	# 10	100	15.9			
	# 40	98				
	# 100	86				
	# 200	65				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

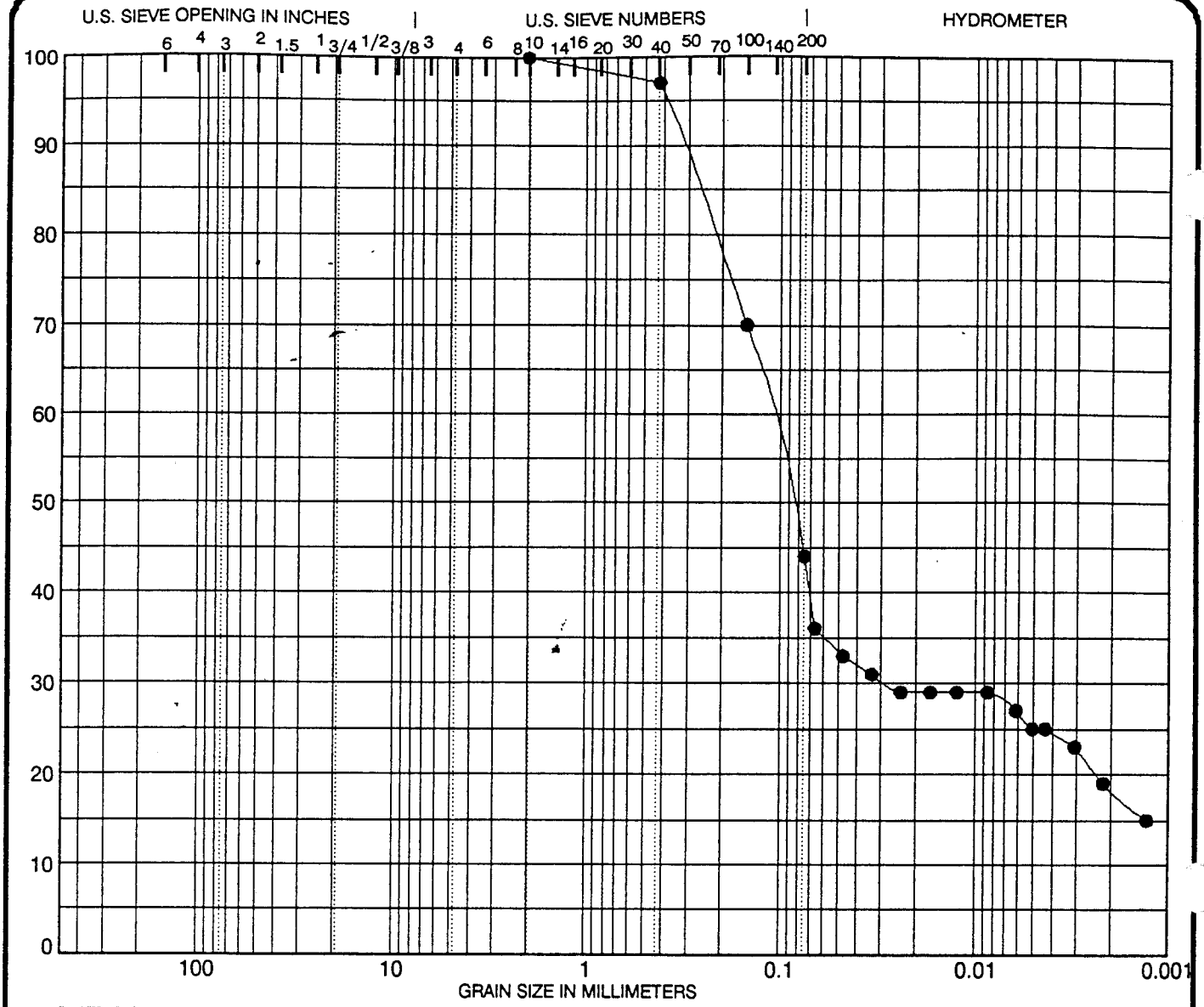
DATE June 9, 1997

5

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Reddish brown clayey SAND (SC)			
CANFTA 4 SB-17 0219	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	56	19	25
	3/8	100				
	# 4	100	%MC			
	# 10	100	9.6			
	# 40	97				
	# 100	70				
	# 200	44				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

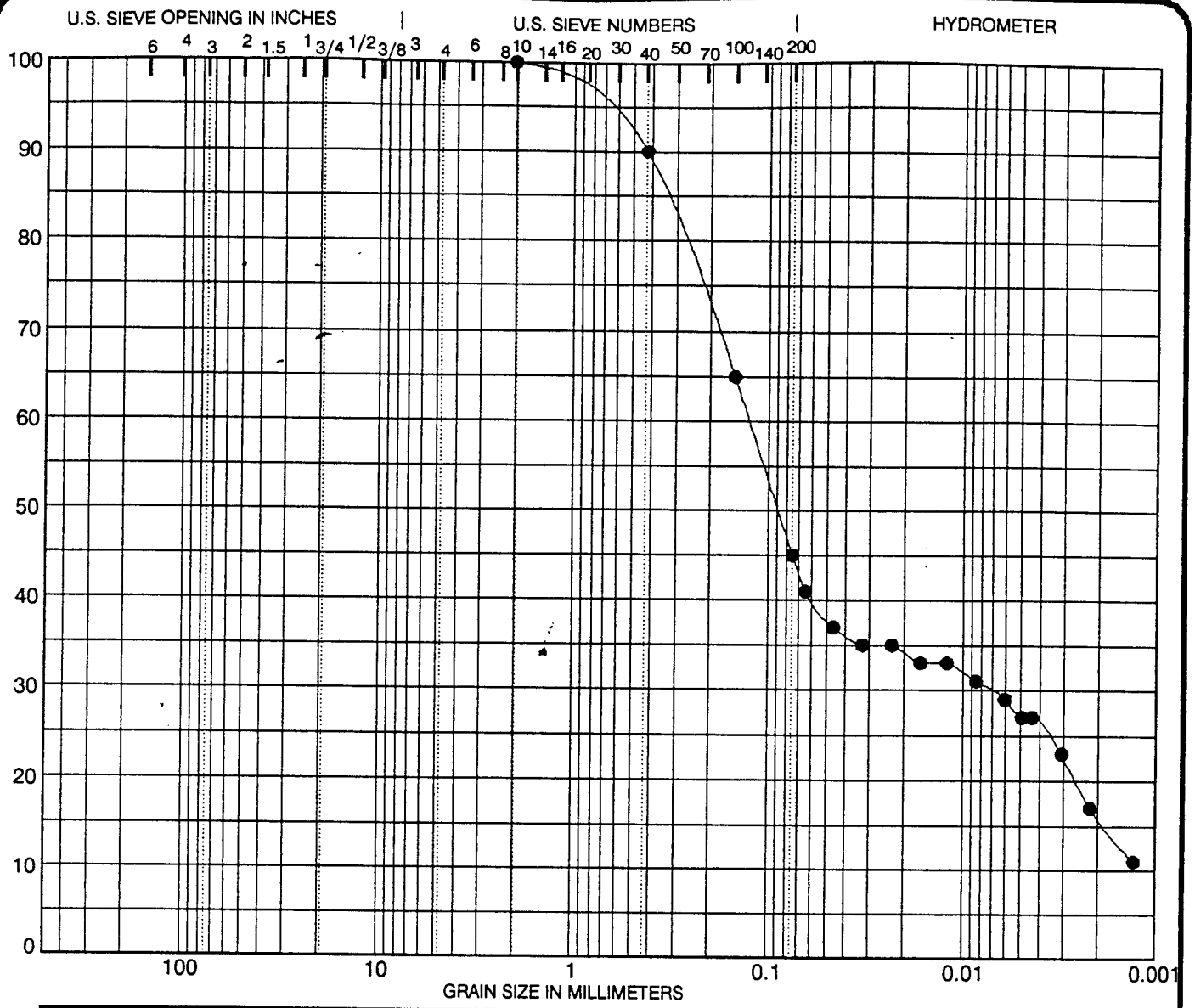
DATE June 9, 1997

6

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium.	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink clayey SAND (SC)			
CANFTA 4 SB-17 0229	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	55	18	27
	3/8	100				
	# 4	100	%MC			
	# 10	100	8.9			
	# 40	90				
	# 100	65				
	# 200	45				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

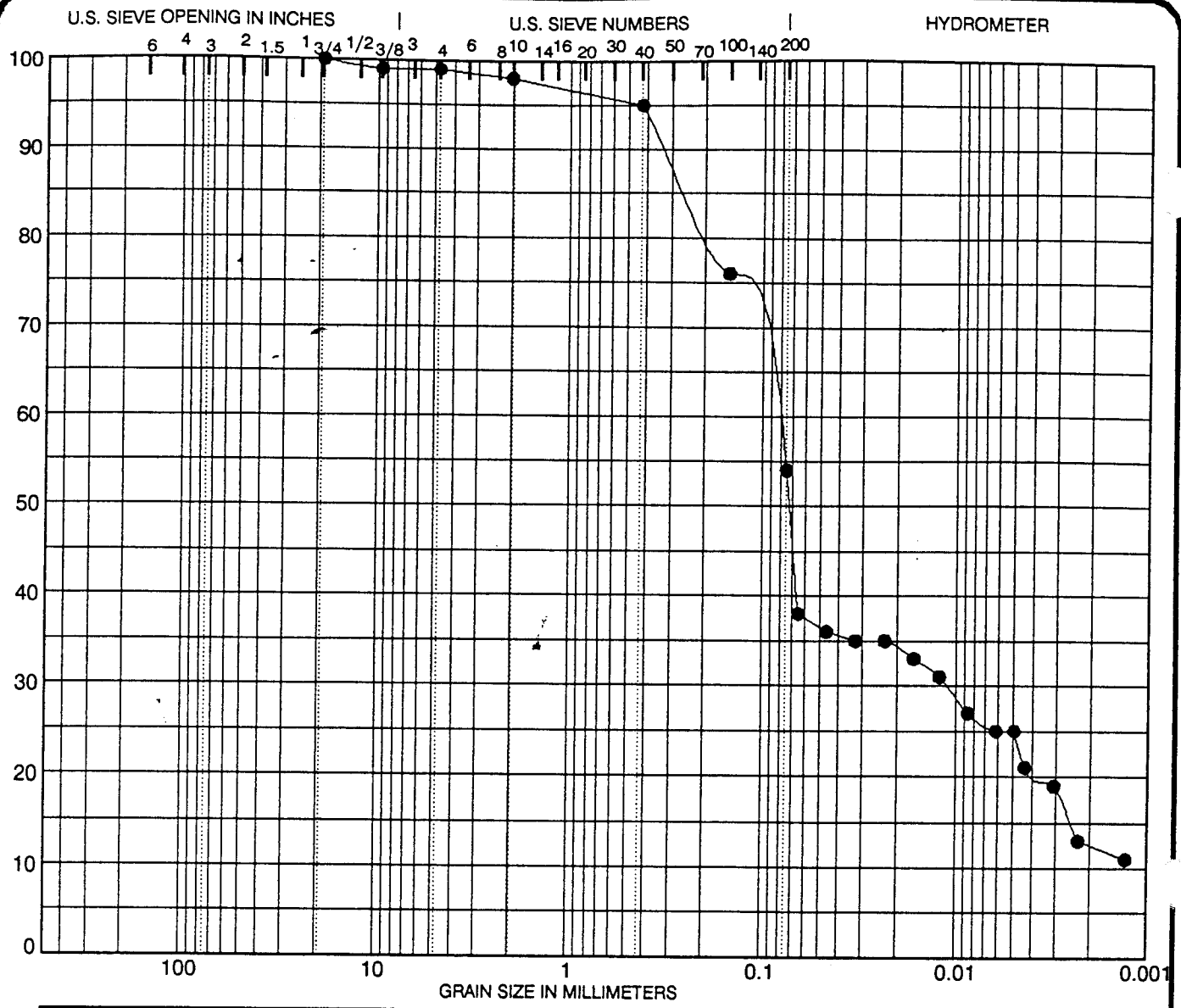
JOB NO. L - 42,420

DATE June 9, 1997

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink sandy CLAY, trace gravel (CL)			
CANFTA 4 SB-17 0259	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	1	45	29	25
	3/8	99				
	# 4	99	%MC			
	# 10	98	6.7			
	# 40	95				
	# 100	76				
	# 200	54				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

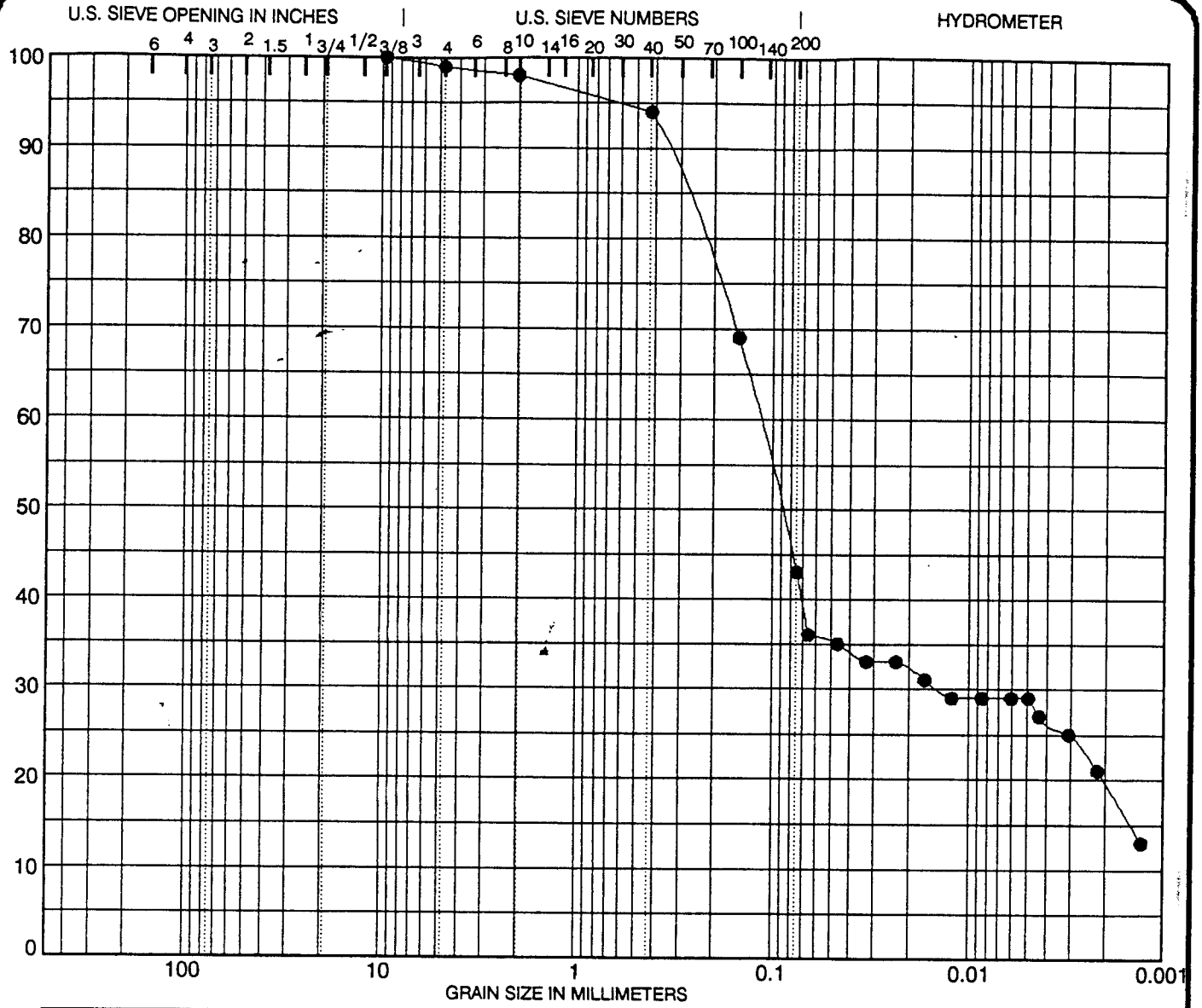
DATE June 9, 1997

8

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Reddish brown clayey SAND, trace gravel			
CANFTA 4 SB-18 0219	2	100	(SC)			
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	1	56	14	29
	3/8	100				
	# 4	99	%MC			
	# 10	98	7.4			
	# 40	94				
	# 100	69				
	# 200	43				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

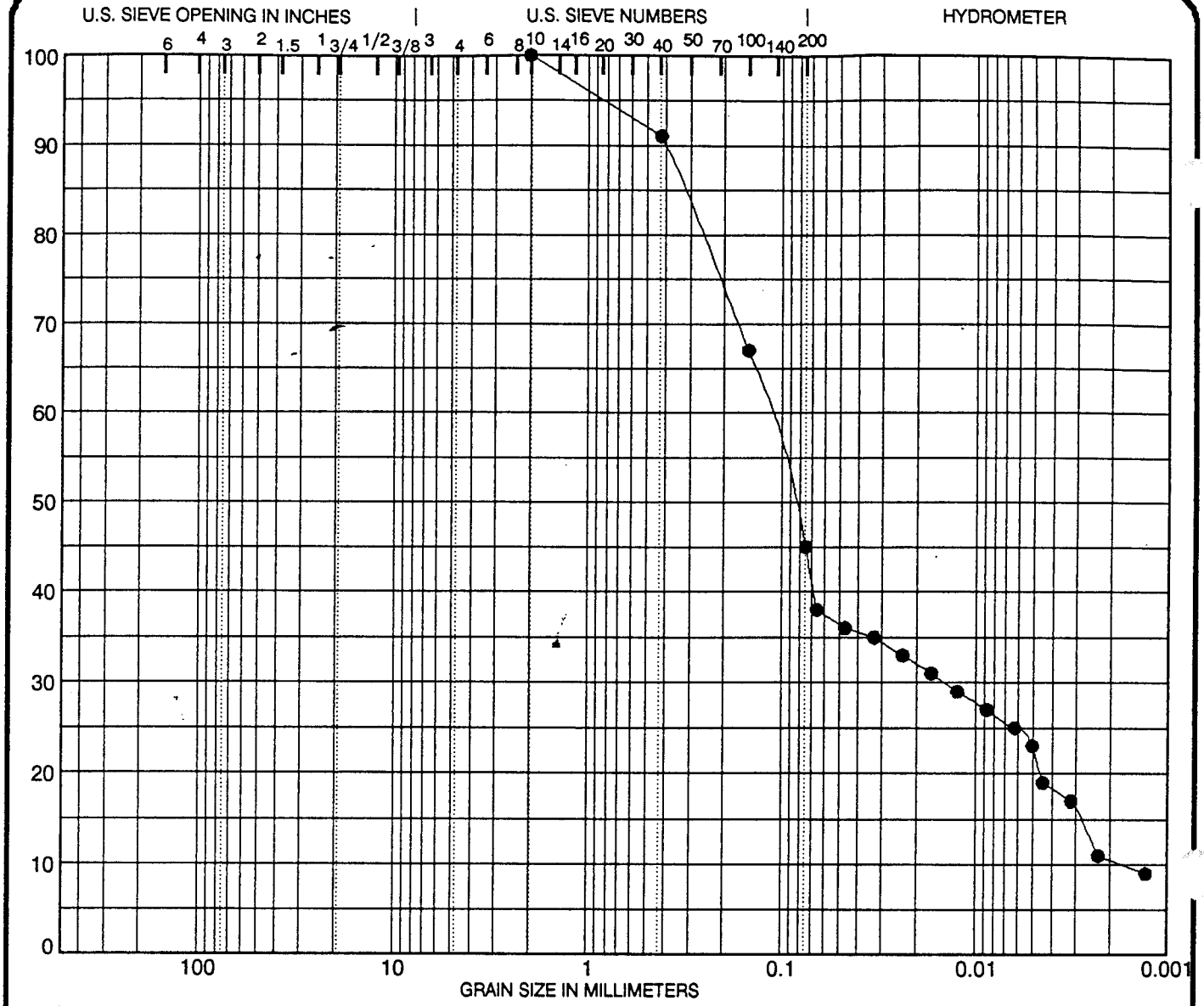
DATE June 9, 1997

9

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink clayey SAND (SC)			
CANFTA 4 SB-18 0233	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	55	23	22
	3/8	100				
	# 4	100	%MC			
	# 10	100	6.0			
	# 40	91				
	# 100	67				
	# 200	45				

PROJECT LOCATION: Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

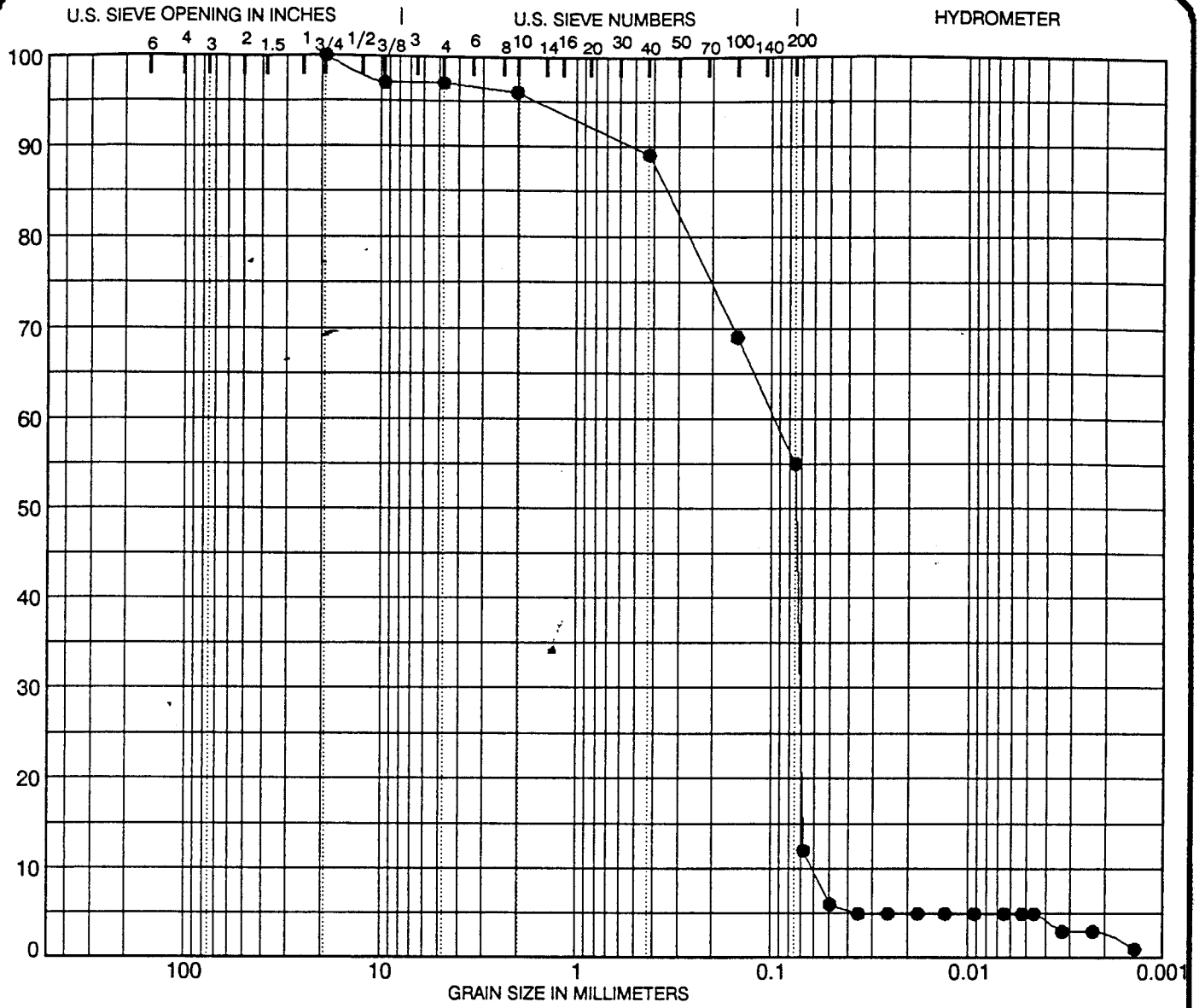
DATE June 9, 1997

10

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Reddish brown sandy SILT, trace gravel,			
CANFTA 4 SB-18 0256	2	100	trace clay (ML)			
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	3	42	50	5
	3/8	97				
	# 4	97	%MC			
	# 10	96	6.5			
	# 40	89				
	# 100	69				
	# 200	55				

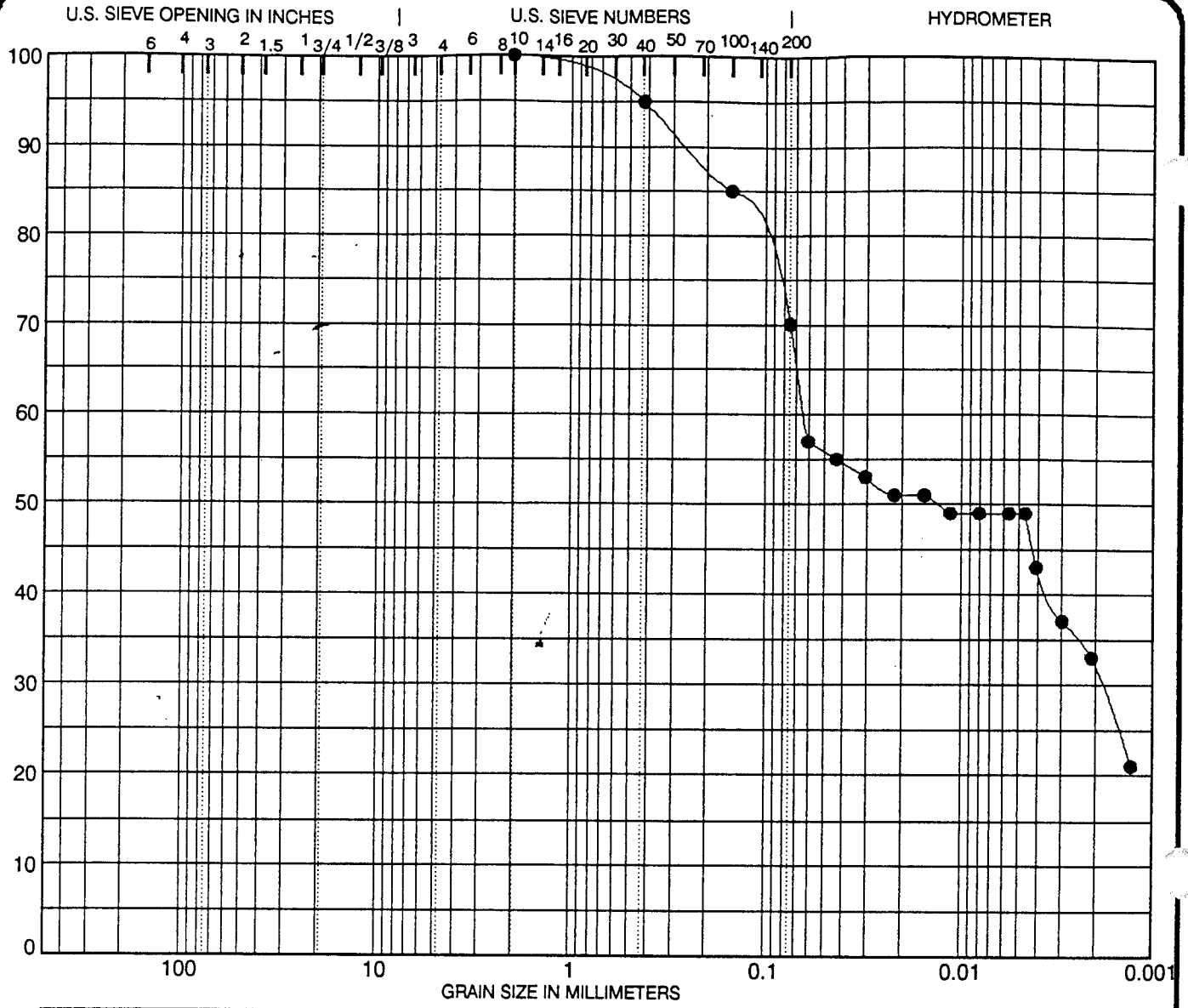
PROJECT Cannon Air Force Base -
LOCATION Chicago, Harza Engineering

JOB NO. L - 42,420
DATE June 9, 1997

11

SOIL DATA SHEET

Testing Service Corporation
CAROL STREAM



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

SPECIMEN IDENTIFICATION	SIEVE	% PASS	CLASSIFICATION			
Cannon Air Force Base, New Mexico	3 inch	100	Pink sandy LEAN CLAY (CL)			
CANFTA 4 SB-16 0204	2	100				
	1 1/2	100				
	1	100	%GRAVEL	%SAND	%SILT	%CLAY
NOTES:	3/4	100	0	30	21	49
	3/8	100				
	# 4	100	%MC			
	# 10	100	21.3			
	# 40	95				
	# 100	85				
	# 200	70				

PROJECT LOCATION Cannon Air Force Base - Chicago, Harza Engineering

JOB NO. L - 42,420

DATE June 9, 1997

12

SOIL DATA SHEET

Testing Service Corporation

CAROL STREAM

APPENDIX E

GORE-SORBER℠ SCREENING SURVEY FINAL REPORT

GORE-SORBER[SM] Screening Survey
Final Report

Fire Training Area #4, Cannon Air Force Base
Clovis, NM

November 26, 1996

Creative Technologies Worldwide

Environmental
Products Group

W. L. GORE & ASSOCIATES, INC.
101 LEWISVILLE ROAD • P.O. BOX 1100 • ELKTON, MARYLAND 21922-1100 PHONE: 410/392-3300
FAX: 410/996-3325 • TELEX 467637 GORE FB ELKT
ENVIRONMENTAL PRODUCTS GROUP

GORE-SORBER[SM] Screening Survey
Final Report

Fire Training Area #4, Cannon Air Force Base
Clovis, NM

November 26, 1996

Prepared For:
Harza Engineering Company
233 South Wacker Drive, Sears Tower
Chicago, IL 60606

W.L. Gore & Associates, Inc.
Written/Submitted by

Jay W. Hodny, M.S.
Associate

W.L. Gore & Associates, Inc.
Reviewed/Approved by

Ray F. Fenstermacher, P.G.
Associate

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FORM 11R.3
Rev 10/25/96

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GORE-SORBER Screening Survey is a registered service mark of W. L. Gore & Associates, Inc.

GORE-SORBER[sm] Screening Survey
Final Report

REPORT DATE: November 26, 1996 **AUTHOR:** JWH

SITE INFORMATION

Site Reference: Fire Training Area #4, Cannon Air Force Base, Clovis , NM
Customer Purchase Order Number: 961463
Gore Production Order Number: 070329 **Gore Site Code:** UI

FIELD PROCEDURES

 # Modules shipped: 46
Installation Date(s): 10-16,17-96 **# Modules Installed:** 44
Field work performed by: Harza Engineering Company

Retrieval date(s): 10-30-96 **Exposure Time:** 13,14 **[days]**
 # Modules Retrieved: 43 **# Trip Blanks Returned:** 2
 # Modules Lost in Field: 1 **# Unused Modules Returned:** 0

Date/Time Received by Gore: 10-31-96 @ 11:45am **By:** TS
Recorded Cooler/Water Temperature Control Blank temperature: 3.6 [°C]
Chain of Custody Form attached: √
Chain of Custody discrepancies: None.
Comments: None.

GORE-SORBER[sm] Screening Survey
Final Report

ANALYTICAL PROCEDURES

W.L. Gore & Associates´ Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990. The Laboratory is audited regularly by a quality system design, development and auditing company.

Instrumentation consists of Hewlett-Packard 5890 gas chromatographs and 5971 mass selective detectors, as well as Perkin-Elmer ATD 400 automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbers, each containing 40mg of a suitable granular adsorbent) to a thermal desorption tube for analysis. Sorbers remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

Screening Method Quality Assurance:

Before each run sequence, two instrument blanks, a sorber containing 5µg BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in our methods before samples can be analyzed. A sorber containing BFB is also analyzed after every 30 samples and/or trip blanks, as is a method blank. Standards containing the selected target compounds at three calibration levels of 5, 20, and 50µg are analyzed at the beginning of each run. The criterion for each target compound is less than 35% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of 20µg per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by the presence of the target ion and at least two secondary ions, retention time versus reference standard, and the analyst's judgment.

NOTE: All data have been archived. Any replicate sorbers not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

Laboratory analysis: thermal desorption, gas chromatography, mass selective detection
Quality Assurance Level: 2 (ANA-4/A1)
Instrument ID: # 2 **Chemist:** JW **Data Subdirectory:** 070329
Compounds/mixtures requested: Standard VOCs and SVOCs Target List (A1)
Deviations from Standard Method: None.
Comments: Soil vapor analytes and abbreviations are tabulated in the Data Table Key (page 5).

GORE-SORBER[sm] Screening Survey
Final Report

DATA TABULATION

 # CONTOUR MAPS ENCLOSED: Three (3) B-size color contour maps
LIST OF MAPS ENCLOSED:

- Total Target Volatile Organics (Total VOCs)
- Undecane, Tridecane, & Pentadecane (C11, C13, & C15)
- Tetrachloroethene (PCE)

Compound Name	Method Detection Limit [µg]	Low Map (gray) Limit [µg]	Highest Detect Level [µg]	Upper Map (purple) Limit [µg]
Total VOCs	0.01	0.01	517.10	517.10
C11, C13, & C15	0.02	0.02	264.29	264.29
PCE	0.03	0.03	8.16	8.16

NOTE: All data values presented in Appendix A represent masses of compound(s) desorbed from the GORE-SORBER Screening Modules received and analyzed by W.L. Gore, as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on either a single-level (QA Level 1) or three-level (QA Level 2) standard calibration.

Comments:

- The minimum (gray) contour level, for each mapped analyte or group of analytes, was set at the maximum blank level observed or the method detection limit, whichever was greater. The maximum contour level was set at the maximum value observed.
- Four sample locations contained co-located modules, SG04, modules #128632 and -633; SG15, modules #125644 and -645; SG22, modules #128652 and -653; and SG30, modules #128661 and –662. The modules at each of these locations were installed approximately three to four inches apart, in an attempt to evaluate and compare the target analyte levels reported. In Gore's experience, we consider values reported at less than sub-microgram levels difficult to compare. We also consider levels reported in the same order of magnitude as a satisfactory comparison. Small scale soil heterogeneities have been known to affect such comparisons significantly.
- During the field exposure, a heavy precipitation event occurred (as per discussions with Harza). Three of the co-located modules, #128632, -645, and -652, were reported to have been located in water or wet upon retrieval. The reported levels of these modules appear to have been affected by the presence of water. In general, these modules had lower levels of target analytes reported. In evaluating the results from modules #128632 and -633, differences did exist by up to an order of magnitude. For modules #128644 and -645, differences did exist, though generally the results were on the same order of magnitude. Module #128645 (in water) tended to have lower levels reported for most target analytes. The levels reported from module #128652 and -653 generally differed by an order of

GORE-SORBER[sm] Screening Survey
Final Report

magnitude, with -652 (in water) having lower levels. Modules #128661 and -662 were not found in water upon retrieval. Despite low reportable levels, the results compared favorably. Please see the attached graphs of the co-located modules.

- Toluene was reported in the trip blanks at elevated levels. Therefore, toluene was not included in the contour mapping of the Total Target Volatile Organics.

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GORE-SORBER[sm] Screening Survey
Final Report

KEY TO DATA TABLE

Fire Training Area #4, Cannon Air Force Base, Clovis , NM

UNITS

µg	micrograms (per sorber), reported for compounds using external standards.
MDL	method detection limit

ANALYTES

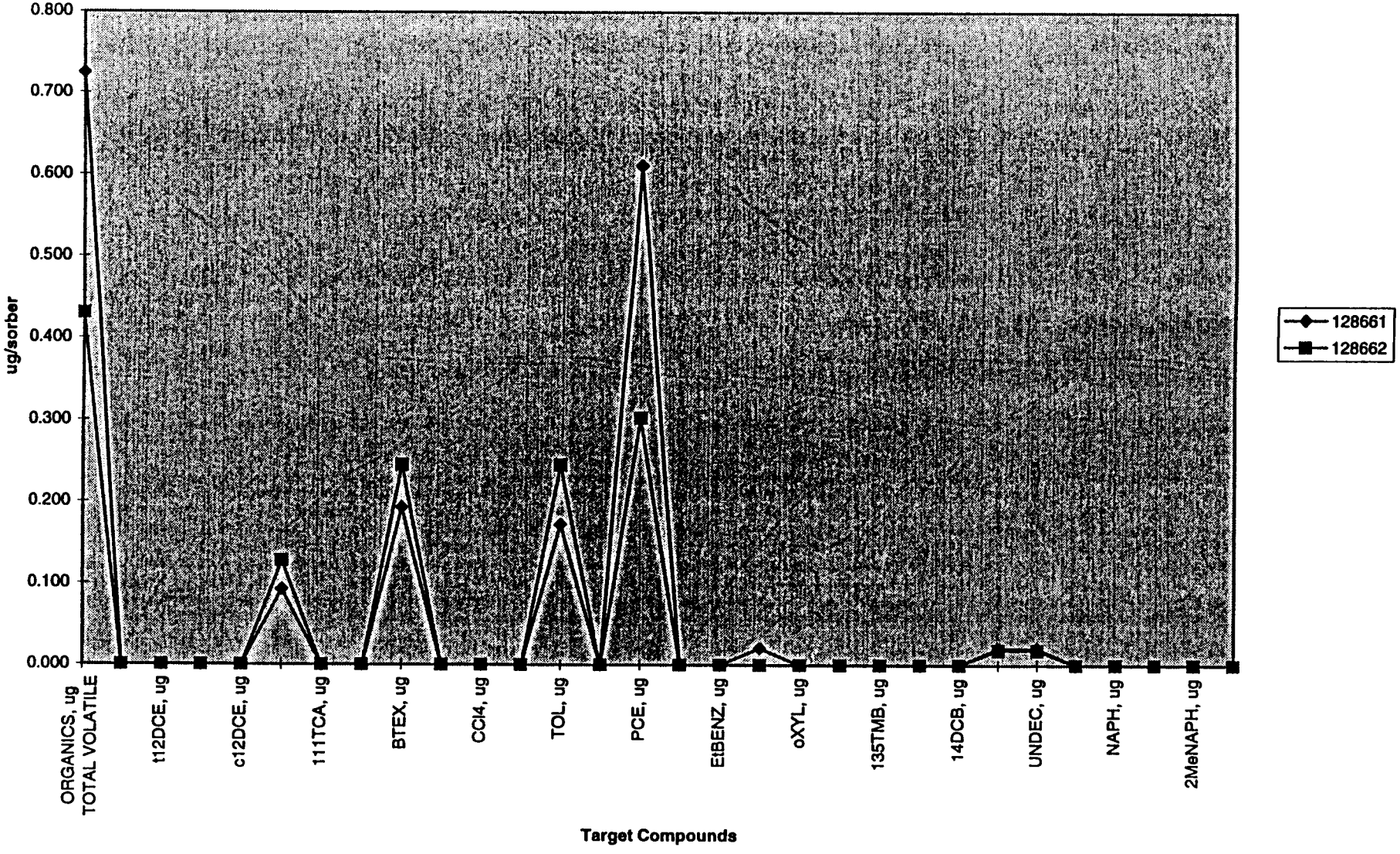
TOTAL TARGET VOLATILE ORGANICS: methyl t-butyl ether, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane, benzene, carbon tetrachloride, trichloroethene, tetrachloroethene, chlorobenzene, ethylbenzene, m-, p-xylene, o-xylene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene

BTEX	combined masses of benzene, toluene, ethylbenzene and total xylenes (Gasoline Range Aromatics)
C11,C13&C15	combined masses of undecane, tridecane, and pentadecane (C11+C13+C15) (Diesel Range Alkanes)
MTBE	methyl t-butyl ether
t12DCE	trans-1,2-dichloroethene
11DCA	1,1-dichloroethane
c12DCE	cis-1,2-dichloroethene
$CHCl_3$	chloroform
111TCA	1,1,1-trichloroethane
12DCA	1,2-dichloroethane
BENZ	benzene
CCl_4	carbon tetrachloride
TCE	trichloroethene
TOL	toluene
OCT	octane
PCE	tetrachloroethene
ClBENZ	chlorobenzene
EtBENZ	ethylbenzene
mpXYL	m-, p-xylene
oXYL	o-xylene
135TMB	1,3,5-trimethylbenzene
124TMB	1,2,4-trimethylbenzene
TMBs	1,2,4- & 1,3,5-trimethylbenzene
N&2MN	naphthalene & 2-methylnaphthalene
14DCB	1,4-dichlorobenzene
UNDEC	undecane
NAPH	naphthalene
TRIDEC	tridecane
2MeNAPH	2-methyl naphthalene
PENTADEC	pentadecane

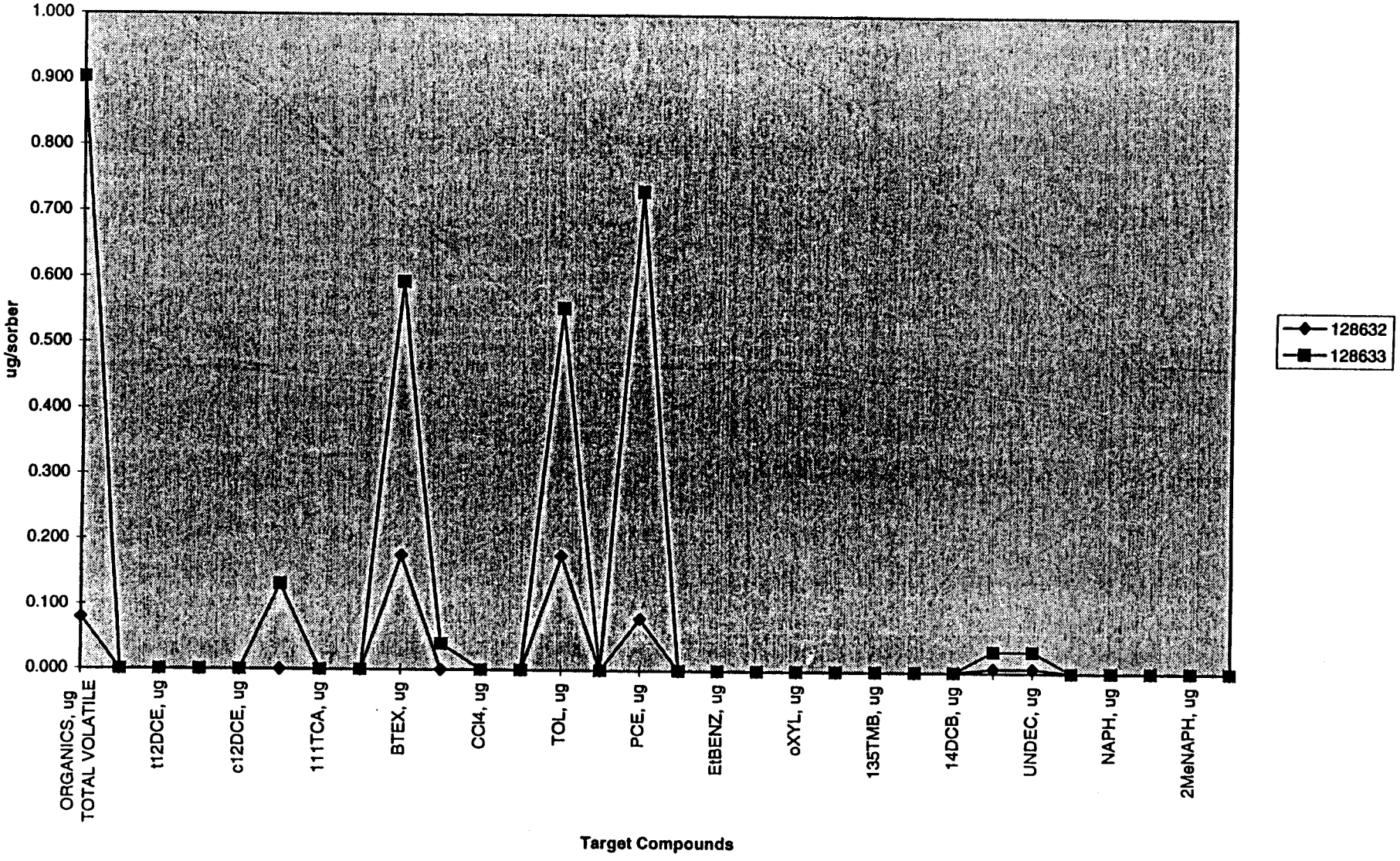
BLANKS

TBn	unexposed trip blanks, which traveled with the exposed modules
method blankn	method blank, retained at Gore

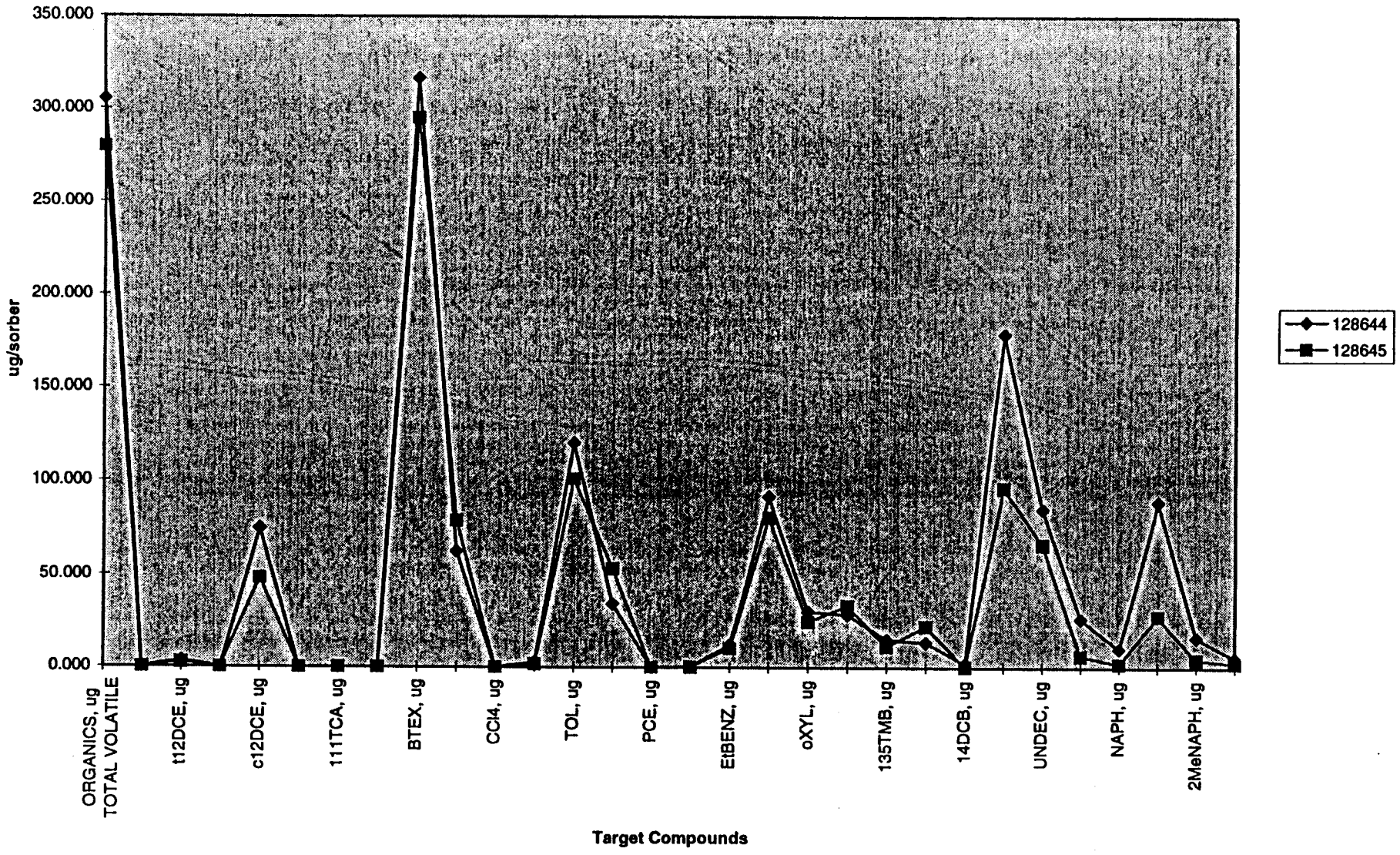
SG30 - Co-located Module Comparison



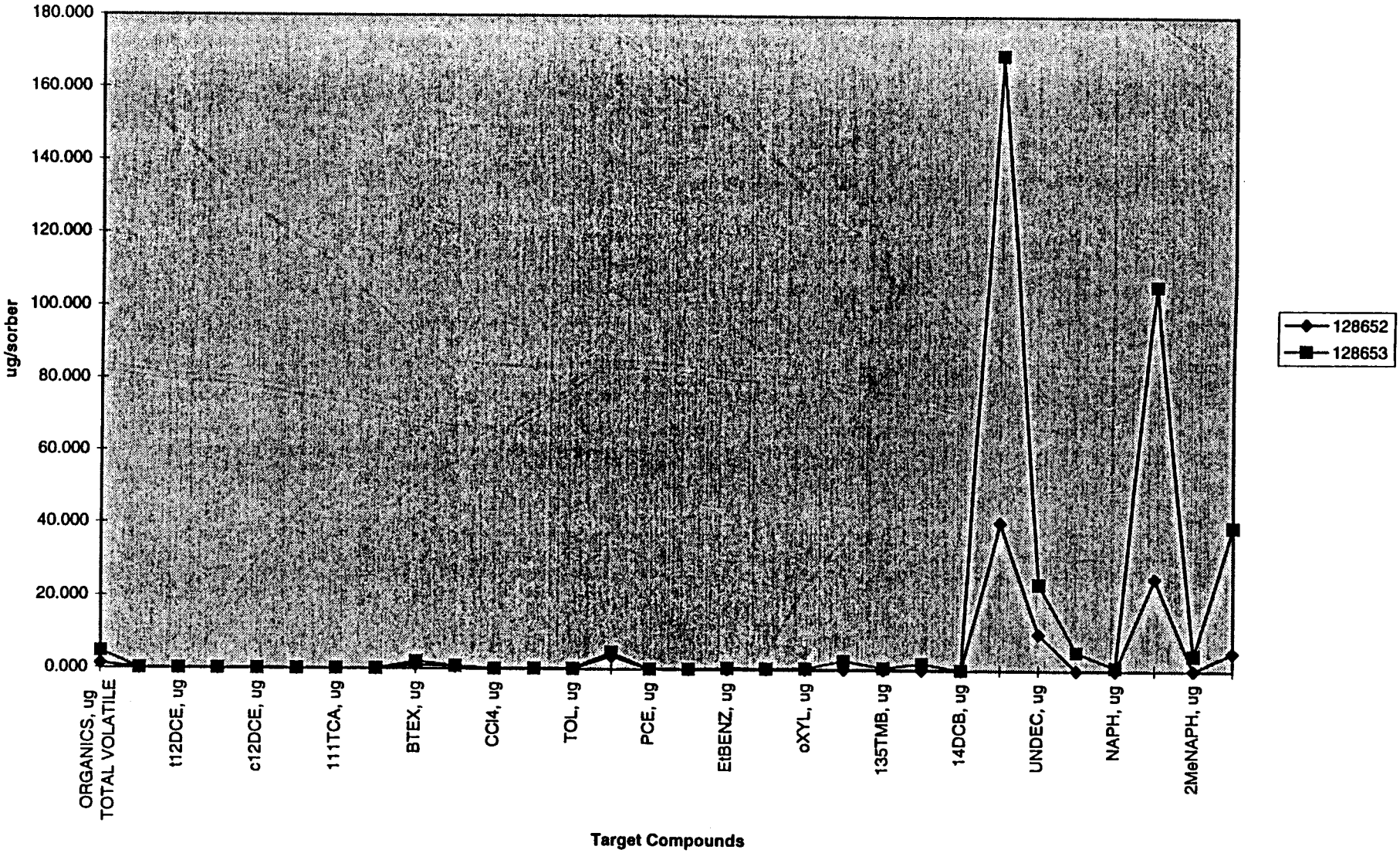
SG04 - Co-located Module Comparison



SG15 - Co-located Module Comparison



SG22 - Co-located Module Comparison



APPENDIX A:

1. CHAIN OF CUSTODY
2. DATA TABLE
3. COLOR CONTOUR MAPS

GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use only
Production Order # 070329

W. L. Gore & Associates, Inc., Environmental Products Group
101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must complete ALL shaded cells

Customer Name: Harza Eng. Company	Site Name: 27 CE/CEVR
Address: 233 S. Wacker Drive Chicago, IL 60606-6392	Site Address: 201 North Perimeter Rd Cannon AFB, NM
	Project Manager: Sanford Hatfield
Phone: 312-831-3828	Customer Project No.:
FAX: 312-831-3999	Customer P.O. #: 961463 Quote #: BK 3975

Serial # of Modules Shipped			# of Modules for Installation 44	# of Trip Blanks 2
# 128627	through	# 128674	Total Modules Shipped: 46	Pieces
#	through	#	Total Modules Received: 46	Pieces
#	through	#	Total Modules Installed: 44	Pieces
#	through	#	Serial # of Trip Blanks (*Client Decides*)	#
#	through	#	# 128673 / # 128674	#
#	through	#	# / #	#
#	through	#	# / #	#

Installation Performed By:	Installation Method(s) (*circle those that apply*):
Name (*please print*): R. Suda / K. Kroske	Slide Hammer (Hammer Drill) Auger
Company/Affiliation: Harza Eng. Company	Other:

Installation Start Date and Time:	10 / 16 / 96	3:00	AM (PM)
Installation Complete Date and Time:	10 / 17 / 96	11:45	(AM) PM

Retrieval Performed By:	Total Modules Retrieved: 43 Pieces
Name (*please print*): R. Suda / K. Kroske	Total Modules Lost in Field: 1 Pieces
Company/Affiliation: Harza Eng. Company	Total Unused Modules Returned: 0 Pieces

Retrieval Start Date and Time:	10 / 30 / 96	8:05	(AM) PM
Retrieval Complete Date and Time:	10 / 30 / 96	9:46	(AM) PM

Target Analytes to be Mapped (*Check Options or List as appropriate*):	To Be Determined Pending Completion of Lab Analysis [X] or write "None", if applicable.	
Analyte #1:	Analyte #2:	Analyte #3:

Other Instructions, if any:

Relinquished By Terry Shelpet Affiliation: W.L. Gore & Associates, Inc.	Date 10/11/96	Time 15:00	Received By: Robert Suda Affiliation: Harza Eng. Co.	Date 10/16/96	Time 8:00
Relinquished By Robert Suda Affiliation: Harza Eng. Co.	Date 10/30/96	Time 1100	Received By: 2742454245 Affiliation: Federal express	Date 10/30/96	Time
Relinquished By Affiliation	Date	Time	Received By: Terry Shelpet Affiliation: W.L. Gore & Associates, Inc.	Date 10/31/96	Time 11:45
	Temperature of Samples When Received By Gore			3.1 °C	

TWI CH 2

GORE-SORBER® Screening Survey Installation and Retrieval Log

Page 1 of 2

SITE NAME & LOCATION
Cannon Air Force Base
Fire Training Area #4
Clovis, New Mexico

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENT
				LPH	ODOR	NONE	YES	NO	
1. ✓	128629	10-16-96 / 1500	10-30-96 / 0805			X		X	
2. ✓	128630	10-16-96 / 1510	0809			X		X	
3. ✓	128631	10-16-96 / 1530	0811			X		X	
4. ✓	128632	10-16-96 / 1540	0818			X	X		
5. ✓	128633	10-16-96 / 1550	0814			X		X	
6. ✓	128634	10-16-96 / 1555	0824			X		X	
7. ✓	128635	10-16-96 / 1610	0828			X		X	
8. ✓	128636	" / 1625	0830			X		X	
9. ✓	128637	" / 1640	0832			X		X	
10. ✓	128638	" / 1650	0833			X		X	
11. ✓	128639	" / 1700	0834			X		X	
12. ✓	128640	" / 1710	0835			X		X	
13. ✓	128641	" / 1720	0837			X		X	
14. ✓	128642	" / 1730	0839			X		X	
15. ✓	128643	" / 1740	0841	X	X		X		Corroded
16. ✓	128644	" / 1750	0846		X			X	
17. ✓	128645	" / 1750	0844			X	X		
18. ✓	128646	" / 1800	0848			X		X	
19. ✓	128647	" / 1810	0851			X	X		
20. ✓	128648	" / 1820	0853			X		X	
21. ✓	128649	" / 1830	0855			X		X	
22. ✓	128650	" / 1840	0857			X		X	
23. ✓	128651	" / 1850	0859			X	X		
24. ✓	128652	" / 1900	0900			X	X		
25. ✓	128653	" / 1900	0902			X		X	
26. ✓	128654	10-17-96 / 0745	0905			X		X	
27. ✓	128655	10-17-96 / 0755	0909			X		X	
28. ✓	128656	" / 0805	0912			X		X	
29. ✓	128657	" / 0815	0914			X		X	
30. ✓	128658	" / 0830	0916			X		X	
31. ✓	128659	" / 0845	0918			X		X	
32. ✓	128660	" / 0900	0920			X		X	
33. ✓	128661	" / 0915	0921			X		X	
34. ✓	128662	" / 0915	0921			X		X	
35. ✓	128663	" / 0930	0922			X		X	
36. ✓	128664	" / 0945	0924			X		X	
37. ✓	128665	" / 1000	0926			X		X	
38. ✓	128666	" / 1015	0927						Lost
39. ✓	128667	" / 1030	0933			X		X	
40. ✓	128668	" / 1045	0938			X		X	
41. ✓	128669	" / 1100	0940			X		X	
42. ✓	128670	" / 1115	0942			X	X		

Lost in Lab

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

DATE ANALYZED	HARZA GRID ID	SAMPLE NAME	TOTAL VOLATILE ORGANICS, ug	MTBE, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	111TCA, ug	12DCA, ug
		MDL =	0.01	0.26	0.16	0.05	0.03	0.04	0.08	0.02
11/12/96	SG1	128629	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG2	128630	7.29	0.00	0.00	0.00	0.00	0.00	0.14	0.00
11/12/96	SG3	128631	3.96	0.00	0.00	0.00	0.00	0.00	0.10	0.00
11/12/96	SG4	128632	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG4	128633	0.90	0.00	0.00	0.00	0.00	0.13	0.00	0.00
11/12/96	SG5	128634	8.58	0.00	0.00	0.00	0.00	0.00	0.34	0.00
11/12/96	SG6	128635	0.26	0.00	0.00	0.00	0.00	0.20	0.00	0.00
11/12/96	SG7	128636	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG8	128637	3.46	0.00	0.00	0.00	0.00	0.00	0.09	0.00
11/12/96	SG9	128638	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG10	128639	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG11	128640	4.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG12	128641	5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG13	128642	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG14	128643	517.10	0.00	1.75	0.00	12.93	0.00	0.00	0.00
11/12/96	SG15	128644	305.47	0.08	3.19	0.00	74.61	0.00	0.00	0.00
11/12/96	SG15	128645	279.83	0.00	2.29	0.00	48.23	0.00	0.00	0.00
11/12/96	SG16	128646	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG17	128647	0.59	0.00	0.00	0.00	0.00	0.13	0.00	0.00
11/12/96	SG18	128648	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG19	128649	0.31	0.00	0.00	0.00	0.00	0.00	0.16	0.00
11/12/96	SG20	128650	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96	SG21	128651	1.22	0.00	0.00	0.00	0.00	0.00	0.11	0.00
11/13/96	SG22	128652	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG22	128653	4.67	0.00	0.00	0.00	0.06	0.00	0.00	0.00
11/13/96	SG23	128654	0.58	0.00	0.00	0.00	0.00	0.00	0.06	0.00
11/13/96	SG24	128655	0.77	0.00	0.00	0.00	0.00	0.13	0.00	0.00
11/13/96	SG25	128656	0.34	0.00	0.00	0.00	0.00	0.12	0.00	0.00
11/13/96	SG26	128657	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG27	128658	0.09	0.00	0.00	0.00	0.00	0.00	0.09	0.00

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

DATE ANALYZED	HARZA GRID ID	SAMPLE NAME	TOTAL VOLATILE ORGANICS, ug	MTBE, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	111TCA, ug	12DCA, ug
		MDL =	0.01	0.26	0.16	0.05	0.03	0.04	0.08	0.02
11/13/96	SG28	128659	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG29	128660	0.34	0.00	0.00	0.00	0.00	0.11	0.00	0.00
11/13/96	SG30	128661	0.72	0.00	0.00	0.00	0.00	0.09	0.00	0.00
11/13/96	SG30	128662	0.43	0.00	0.00	0.00	0.00	0.13	0.00	0.00
11/13/96	SG31	128663	0.34	0.00	0.00	0.00	0.00	0.10	0.00	0.00
11/13/96	SG32	128664	1.54	0.00	0.00	0.00	0.00	0.09	0.00	0.00
11/13/96	SG33	128665	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG35	128667	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG36	128668	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG37	128669	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG38	128670	0.18	0.00	0.00	0.00	0.00	0.10	0.00	0.00
11/13/96	SG39	128671	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96	SG40	128672	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96		TB 1, 128673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96		TB 2, 128674	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/12/96		method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/13/96		method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Max Observed	517.10	0.08	3.19	0.00	74.61	0.20	0.34	0.00

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

SAMPLE NAME	BTEX, ug	BENZ, ug	CCl4, ug	TCE, ug	TOL, ug	OCT, ug	PCE, ug	ClBENZ, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	TMBs, ug
MDL =	0.02	0.02	0.04	0.01	0.14	0.03	0.03	0.03	0.02	0.03	0.02	0.02
128629	0.12	0.00	0.00	0.00	0.12	0.00	3.72	0.00	0.00	0.00	0.00	0.00
128630	0.13	0.00	0.00	0.00	0.13	0.00	7.15	0.00	0.00	0.00	0.00	0.00
128631	0.54	0.06	0.00	0.00	0.33	0.56	3.34	0.00	0.04	0.05	0.05	0.32
128632	0.18	0.00	0.00	0.00	0.18	0.00	0.08	0.00	0.00	0.00	0.00	0.00
128633	0.59	0.04	0.00	0.00	0.55	0.00	0.73	0.00	0.00	0.00	0.00	0.00
128634	0.15	0.00	0.00	0.09	0.15	0.00	8.16	0.00	0.00	0.00	0.00	0.00
128635	0.17	0.00	0.00	0.00	0.17	0.00	0.06	0.00	0.00	0.00	0.00	0.00
128636	0.14	0.00	0.00	0.00	0.14	0.00	0.61	0.00	0.00	0.00	0.00	0.01
128637	0.13	0.00	0.00	0.12	0.13	0.00	3.25	0.00	0.00	0.00	0.00	0.00
128638	0.15	0.00	0.00	0.00	0.15	0.00	1.28	0.00	0.00	0.00	0.00	0.00
128639	0.30	0.00	0.00	0.00	0.30	0.00	3.43	0.00	0.00	0.00	0.00	0.00
128640	0.00	0.00	0.00	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00	0.00
128641	0.11	0.00	0.00	0.00	0.11	0.00	5.21	0.00	0.00	0.00	0.00	0.00
128642	0.46	0.14	0.00	0.00	0.23	0.14	2.17	0.00	0.00	0.03	0.06	1.65
128643	379.29	57.99	0.00	0.25	5.83	167.32	0.00	0.00	45.21	257.54	12.72	128.71
128644	316.54	62.40	0.00	2.59	120.31	34.32	0.00	0.23	12.05	91.57	30.21	28.55
128645	295.26	78.86	0.00	1.60	101.04	53.28	0.00	0.07	10.28	80.33	24.76	33.41
128646	0.30	0.08	0.00	0.00	0.20	0.09	0.00	0.00	0.00	0.02	0.00	0.00
128647	0.27	0.00	0.00	0.00	0.27	0.00	0.47	0.00	0.00	0.00	0.00	0.00
128648	0.18	0.00	0.00	0.08	0.18	0.00	0.60	0.00	0.00	0.00	0.00	0.00
128649	0.34	0.00	0.00	0.00	0.32	0.00	0.13	0.00	0.00	0.02	0.00	0.00
128650	0.20	0.00	0.00	0.00	0.20	0.00	2.08	0.00	0.00	0.00	0.00	0.00
128651	0.28	0.07	0.00	0.00	0.19	0.27	0.99	0.00	0.00	0.02	0.00	0.02
128652	0.99	0.68	0.00	0.19	0.11	3.47	0.06	0.00	0.06	0.06	0.07	0.11
128653	2.03	0.79	0.00	0.24	0.16	4.56	0.00	0.00	0.41	0.25	0.42	2.50
128654	0.60	0.03	0.00	0.10	0.54	0.00	0.36	0.00	0.00	0.02	0.00	0.00
128655	0.42	0.25	0.00	0.00	0.11	0.18	0.34	0.00	0.00	0.03	0.03	0.00
128656	0.28	0.00	0.00	0.00	0.28	0.00	0.22	0.00	0.00	0.00	0.00	0.00
128657	0.14	0.00	0.00	0.00	0.14	0.00	0.25	0.00	0.00	0.00	0.00	0.00
128658	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

SAMPLE NAME	BTEX, ug	BENZ, ug	CCl4, ug	TCE, ug	TOL, ug	OCT, ug	PCE, ug	ClBENZ, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	TMBs, ug
MDL =	0.02	0.02	0.04	0.01	0.14	0.03	0.03	0.03	0.02	0.03	0.02	0.02
128659	0.79	0.13	0.00	0.00	0.67	0.00	0.13	0.00	0.00	0.00	0.00	0.00
128660	0.71	0.03	0.00	0.00	0.65	0.00	0.17	0.00	0.00	0.03	0.00	0.00
128661	0.19	0.00	0.00	0.00	0.17	0.00	0.61	0.00	0.00	0.02	0.00	0.00
128662	0.25	0.00	0.00	0.00	0.25	0.00	0.30	0.00	0.00	0.00	0.00	0.00
128663	0.50	0.12	0.00	0.00	0.32	0.38	0.00	0.00	0.00	0.06	0.00	0.06
128664	0.52	0.00	0.00	0.00	0.17	1.34	0.09	0.00	0.07	0.10	0.18	1.01
128665	0.16	0.00	0.00	0.00	0.14	0.00	0.15	0.00	0.00	0.02	0.00	0.00
128667	1.33	0.19	0.00	0.00	0.60	0.28	0.11	0.00	0.19	0.23	0.13	0.09
128668	0.10	0.00	0.00	0.00	0.10	0.00	0.18	0.00	0.00	0.00	0.00	0.00
128669	0.25	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128670	0.47	0.05	0.00	0.00	0.40	0.43	0.00	0.00	0.00	0.02	0.00	0.00
128671	0.34	0.00	0.00	0.00	0.34	0.00	0.14	0.00	0.00	0.00	0.00	0.00
128672	1.17	0.03	0.00	0.00	1.09	0.00	0.11	0.00	0.00	0.05	0.00	0.03
TB 1, 128673	0.73	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TB 2, 128674	0.40	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max Observed	379.29	78.86	0.00	2.59	120.31	167.32	8.16	0.23	45.21	257.54	30.21	128.71

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

SAMPLE NAME	135TMB, ug	124TMB, ug	14DCB, ug	C11,C13, & C15, ug	UNDEC, ug	N&2MN, ug	NAPH, ug	TRIDEC, ug	2MeNAPH, ug	PENTADEC, ug
MDL =	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.05	0.04
128629	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
128630	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
128631	0.15	0.17	0.01	3.77	2.46	0.05	0.03	1.14	0.03	0.17
128632	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
128633	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
128634	0.00	0.00	0.00	0.49	0.23	0.01	0.00	0.19	0.01	0.07
128635	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128636	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
128637	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128638	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
128639	0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.03
128640	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
128641	0.00	0.00	0.00	0.25	0.11	0.00	0.00	0.06	0.00	0.08
128642	1.10	0.55	0.02	10.71	6.03	0.45	0.22	4.03	0.23	0.66
128643	33.10	95.61	0.00	264.29	209.87	46.62	17.96	47.60	28.65	6.82
128644	15.12	13.42	1.93	178.77	84.83	26.25	10.08	88.61	16.17	5.33
128645	11.30	22.11	0.21	96.14	66.11	6.21	1.88	27.63	4.33	2.40
128646	0.00	0.00	0.00	0.06	0.03	0.00	0.00	0.03	0.00	0.00
128647	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00
128648	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
128649	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00
128650	0.00	0.00	0.00	2.34	1.27	0.00	0.00	0.91	0.00	0.16
128651	0.00	0.02	0.00	0.24	0.12	0.00	0.00	0.08	0.00	0.03
128652	0.07	0.04	0.01	40.56	10.05	0.03	0.01	25.47	0.02	5.04
128653	0.62	1.88	0.02	169.36	23.83	5.10	0.88	105.94	4.22	39.58
128654	0.00	0.00	0.00	0.33	0.13	0.01	0.00	0.13	0.01	0.07
128655	0.00	0.00	0.00	0.09	0.04	0.00	0.00	0.02	0.00	0.04
128656	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
128657	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128658	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS
HARZA ENG. CO., CHICAGO, IL
GORE STANDARD TARGET VOCS/SVOCS (A1)
FIRE TRAINING AREA #4, CANNON AFB, CLOVIS, NM
SITE UI - PRODUCTION ORDER #070329

SAMPLE NAME	135TMB, ug	124TMB, ug	14DCB, ug	C11,C13, & C15, ug	UNDEC, ug	N&2MN, ug	NAPH, ug	TRIDEC, ug	2MeNAPH, ug	PENTADEC, ug
MDL =	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.05	0.04
128659	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
128660	0.00	0.00	0.00	0.12	0.03	0.00	0.00	0.01	0.00	0.08
128661	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
128662	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
128663	0.01	0.05	0.00	10.39	0.68	0.01	0.00	0.86	0.01	8.86
128664	0.43	0.58	0.00	35.33	4.53	0.60	0.23	8.14	0.37	22.66
128665	0.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.08
128667	0.03	0.06	0.00	3.24	0.69	3.28	0.91	2.34	2.37	0.21
128668	0.00	0.00	0.00	0.17	0.07	0.00	0.00	0.05	0.00	0.05
128669	0.00	0.00	0.00	0.22	0.14	0.00	0.00	0.04	0.00	0.04
128670	0.00	0.00	0.00	0.15	0.04	0.00	0.00	0.00	0.00	0.11
128671	0.00	0.00	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.02
128672	0.00	0.03	0.00	0.30	0.11	0.00	0.00	0.18	0.00	0.01
TB 1, 128673	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
TB 2, 128674	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
method blank	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max Observed	33.10	95.61	1.93	264.29	209.87	46.62	17.96	105.94	28.65	39.58

APPENDIX F

APPLIED RESEARCH AND DEVELOPMENT LABORATORY (ARDL) ANALYTICAL DATA REPORTS

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0103	ARDL Lab No.:	300427-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1632	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9.8	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	291	1390	ND		UG/KG	1
CHLOROMETHANE	208	1390	ND		UG/KG	1
VINYL CHLORIDE	180	1390	ND		UG/KG	1
BROMOMETHANE	109	1390	ND		UG/KG	1
CHLOROETHANE	208	1390	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	333	1390	ND		UG/KG	1
1,1-DICHLOROETHENE	180	693	ND		UG/KG	1
METHYLENE CHLORIDE	346	693	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	90.1	693	ND		UG/KG	1
1,1-DICHLOROETHANE	90.1	693	ND		UG/KG	1
CARBON DISULFIDE	208	693	ND		UG/KG	1
2,2-DICHLOROPROPANE	166	693	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	97.0	693	ND		UG/KG	1
BROMOCHLOROMETHANE	114	693	ND		UG/KG	1
CHLOROFORM	111	693	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	70.7	693	ND		UG/KG	1
1,1-DICHLOROPROPENE	139	693	ND		UG/KG	1
CARBON TETRACHLORIDE	136	693	ND		UG/KG	1
BENZENE	72.1	693	ND		UG/KG	1
1,2-DICHLOROETHANE	112	693	ND		UG/KG	1
TRICHLOROETHENE	152	693	ND		UG/KG	1
1,2-DICHLOROPROPANE	152	693	ND		UG/KG	1
BROMODICHLOROMETHANE	91.5	693	ND		UG/KG	1
DIBROMOMETHANE	133	693	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	134	693	ND		UG/KG	1
TOLUENE	111	693	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	81.8	693	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	112	693	ND		UG/KG	1
1,2-DIBROMOETHANE	122	693	ND		UG/KG	1
TETRACHLOROETHENE	108	693	ND		UG/KG	1
1,3-DICHLOROPROPANE	119	693	ND		UG/KG	1
DIBROMOCHLOROMETHANE	80.4	693	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0103	ARDL Lab No.:	300427-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1632	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9.8	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	79.0	693	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	67.9	693	ND		UG/KG	1
ETHYLBENZENE	97.0	693	1780		UG/KG	1
m & p-XYLENE	139	693	4130		UG/KG	1
o-XYLENE	63.7	693	367	J	UG/KG	1
STYRENE	83.1	693	ND		UG/KG	1
2-HEXANONE	596	2770	ND		UG/KG	1
BROMOFORM	166	693	ND		UG/KG	1
ISOPROPYLBENZENE	91.5	693	1430		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	305	693	ND		UG/KG	1
BROMOBENZENE	130	693	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	277	693	ND		UG/KG	1
n-PROPYLBENZENE	80.4	693	3320		UG/KG	1
2-CHLOROTOLUENE	108	693	ND		UG/KG	1
4-CHLOROTOLUENE	111	693	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	69.3	693	9250		UG/KG	1
tert-BUTYLBENZENE	74.8	693	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	194	1390	22800		UG/KG	2
sec-BUTYLBENZENE	87.3	693	ND		UG/KG	1
p-ISOPROPYLTOLUENE	84.5	693	7030		UG/KG	1
1,3-DICHLOROBENZENE	127	693	ND		UG/KG	1
1,4-DICHLOROBENZENE	139	693	ND		UG/KG	1
1,2-DICHLOROBENZENE	166	693	ND		UG/KG	1
n-BUTYLBENZENE	139	693	4620		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	346	1390	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	152	693	ND		UG/KG	1
HEXACHLOROBUTADIENE	108	693	ND		UG/KG	1
NAPHTHALENE	236	693	4830		UG/KG	1
1,2,3-TRICHLOROBENZENE	180	693	ND		UG/KG	1
ACETONE	1190	6930	ND		UG/KG	1
2-BUTANONE	1090	6930	ND		UG/KG	1
4-METHYL-2-PENTANONE	499	2770	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0119	ARDL Lab No.:	300427-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1708	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	12.8	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	301	1430	ND		UG/KG	1
CHLOROMETHANE	215	1430	ND		UG/KG	1
VINYL CHLORIDE	186	1430	ND		UG/KG	1
BROMOMETHANE	113	1430	ND		UG/KG	1
CHLOROETHANE	215	1430	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	344	1430	ND		UG/KG	1
1,1-DICHLOROETHENE	186	717	ND		UG/KG	1
METHYLENE CHLORIDE	358	717	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	93.2	717	ND		UG/KG	1
1,1-DICHLOROETHANE	93.2	717	ND		UG/KG	1
CARBON DISULFIDE	215	717	ND		UG/KG	1
2,2-DICHLOROPROPANE	172	717	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	100	717	ND		UG/KG	1
BROMOCHLOROMETHANE	118	717	ND		UG/KG	1
CHLOROFORM	115	717	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	73.1	717	ND		UG/KG	1
1,1-DICHLOROPROPENE	143	717	ND		UG/KG	1
CARBON TETRACHLORIDE	140	717	ND		UG/KG	1
BENZENE	74.5	717	ND		UG/KG	1
1,2-DICHLOROETHANE	116	717	ND		UG/KG	1
TRICHLOROETHENE	158	717	ND		UG/KG	1
1,2-DICHLOROPROPANE	158	717	ND		UG/KG	1
BROMODICHLOROMETHANE	94.6	717	ND		UG/KG	1
DIBROMOMETHANE	138	717	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	139	717	ND		UG/KG	1
TOLUENE	115	717	4370		UG/KG	1
trans-1,3-DICHLOROPROPENE	84.6	717	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	116	717	ND		UG/KG	1
1,2-DIBROMOETHANE	126	717	ND		UG/KG	1
TETRACHLOROETHENE	112	717	ND		UG/KG	1
1,3-DICHLOROPROPANE	123	717	ND		UG/KG	1
DIBROMOCHLOROMETHANE	83.1	717	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0119	ARDL Lab No.:	300427-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1708	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	12.8	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	81.7	717	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	70.2	717	ND		UG/KG	1
ETHYLBENZENE	100	717	7230		UG/KG	1
m & p-XYLENE	143	717	24200		UG/KG	1
o-XYLENE	65.9	717	12800		UG/KG	1
STYRENE	86.0	717	ND		UG/KG	1
2-HEXANONE	616	2870	ND		UG/KG	1
BROMOFORM	172	717	ND		UG/KG	1
ISOPROPYLBENZENE	94.6	717	1780		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	315	717	ND		UG/KG	1
BROMOBENZENE	135	717	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	287	717	ND		UG/KG	1
n-PROPYLBENZENE	83.1	717	3190		UG/KG	1
2-CHLOROTOLUENE	112	717	ND		UG/KG	1
4-CHLOROTOLUENE	115	717	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	71.7	717	11200		UG/KG	1
tert-BUTYLBENZENE	77.4	717	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	201	1430	21000		UG/KG	2
sec-BUTYLBENZENE	90.3	717	ND		UG/KG	1
p-ISOPROPYLTOLUENE	87.4	717	6280		UG/KG	1
1,3-DICHLOROBENZENE	132	717	ND		UG/KG	1
1,4-DICHLOROBENZENE	143	717	ND		UG/KG	1
1,2-DICHLOROBENZENE	172	717	ND		UG/KG	1
n-BUTYLBENZENE	143	717	3630		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	358	1430	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	158	717	ND		UG/KG	1
HEXACHLOROBUTADIENE	112	717	ND		UG/KG	1
NAPHTHALENE	244	717	3530		UG/KG	1
1,2,3-TRICHLOROBENZENE	186	717	ND		UG/KG	1
ACETONE	1230	7170	2130	J	UG/KG	1
2-BUTANONE	1130	7170	ND		UG/KG	1
4-METHYL-2-PENTANONE	516	2870	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0127	ARDL Lab No.:	300427-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1810	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9.7	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	291	1380	ND		UG/KG	1
CHLOROMETHANE	208	1380	ND		UG/KG	1
VINYL CHLORIDE	180	1380	ND		UG/KG	1
BROMOMETHANE	109	1380	ND		UG/KG	1
CHLOROETHANE	208	1380	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	332	1380	ND		UG/KG	1
1,1-DICHLOROETHENE	180	692	ND		UG/KG	1
METHYLENE CHLORIDE	346	692	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	90.0	692	ND		UG/KG	1
1,1-DICHLOROETHANE	90.0	692	ND		UG/KG	1
CARBON DISULFIDE	208	692	ND		UG/KG	1
2,2-DICHLOROPROPANE	166	692	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	96.9	692	ND		UG/KG	1
BROMOCHLOROMETHANE	114	692	ND		UG/KG	1
CHLOROFORM	111	692	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	70.6	692	ND		UG/KG	1
1,1-DICHLOROPROPENE	138	692	ND		UG/KG	1
CARBON TETRACHLORIDE	136	692	ND		UG/KG	1
BENZENE	72.0	692	ND		UG/KG	1
1,2-DICHLOROETHANE	112	692	ND		UG/KG	1
TRICHLOROETHENE	152	692	ND		UG/KG	1
1,2-DICHLOROPROPANE	152	692	ND		UG/KG	1
BROMODICHLOROMETHANE	91.4	692	ND		UG/KG	1
DIBROMOMETHANE	133	692	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	134	692	ND		UG/KG	1
TOLUENE	111	692	4190		UG/KG	1
trans-1,3-DICHLOROPROPENE	81.7	692	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	112	692	ND		UG/KG	1
1,2-DIBROMOETHANE	122	692	ND		UG/KG	1
TETRACHLOROETHENE	108	692	ND		UG/KG	1
1,3-DICHLOROPROPANE	119	692	ND		UG/KG	1
DIBROMOCHLOROMETHANE	80.3	692	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0127	ARDL Lab No.:	300427-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1810	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9.7	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	78.9	692	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	67.8	692	ND		UG/KG	1
ETHYLBENZENE	96.9	692	6450		UG/KG	1
m & p-XYLENE	692	3460	34100		UG/KG	5
o-XYLENE	318	3460	18900		UG/KG	5
STYRENE	83.1	692	ND		UG/KG	1
2-HEXANONE	595	2770	ND		UG/KG	1
BROMOFORM	166	692	ND		UG/KG	1
ISOPROPYLBENZENE	91.4	692	1940		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	305	692	ND		UG/KG	1
BROMOBENZENE	130	692	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	277	692	ND		UG/KG	1
n-PROPYLBENZENE	80.3	692	4450		UG/KG	1
2-CHLOROTOLUENE	108	692	ND		UG/KG	1
4-CHLOROTOLUENE	111	692	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	346	3460	15500		UG/KG	5
tert-BUTYLBENZENE	74.8	692	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	484	3460	41800		UG/KG	5
sec-BUTYLBENZENE	87.2	692	ND		UG/KG	1
p-ISOPROPYLTOLUENE	84.4	692	9530		UG/KG	1
1,3-DICHLOROBENZENE	127	692	ND		UG/KG	1
1,4-DICHLOROBENZENE	138	692	ND		UG/KG	1
1,2-DICHLOROBENZENE	166	692	ND		UG/KG	1
n-BUTYLBENZENE	138	692	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	346	1380	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	152	692	ND		UG/KG	1
HEXACHLOROBUTADIENE	108	692	ND		UG/KG	1
NAPHTHALENE	235	692	8580		UG/KG	1
1,2,3-TRICHLOROBENZENE	180	692	ND		UG/KG	1
ACETONE	1190	6920	3150	J	UG/KG	1
2-BUTANONE	1090	6920	ND		UG/KG	1
4-METHYL-2-PENTANONE	498	2770	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0138	ARDL Lab No.:	300427-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0835	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	288	1370	ND		UG/KG	1
CHLOROMETHANE	206	1370	ND		UG/KG	1
VINYL CHLORIDE	179	1370	ND		UG/KG	1
BROMOMETHANE	109	1370	ND		UG/KG	1
CHLOROETHANE	206	1370	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	330	1370	ND		UG/KG	1
1,1-DICHLOROETHENE	179	687	ND		UG/KG	1
METHYLENE CHLORIDE	343	687	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	89.3	687	ND		UG/KG	1
1,1-DICHLOROETHANE	89.3	687	ND		UG/KG	1
CARBON DISULFIDE	206	687	ND		UG/KG	1
2,2-DICHLOROPROPANE	165	687	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	96.2	687	ND		UG/KG	1
BROMOCHLOROMETHANE	113	687	ND		UG/KG	1
CHLOROFORM	110	687	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	70.1	687	ND		UG/KG	1
1,1-DICHLOROPROPENE	137	687	ND		UG/KG	1
CARBON TETRACHLORIDE	135	687	ND		UG/KG	1
BENZENE	71.4	687	ND		UG/KG	1
1,2-DICHLOROETHANE	111	687	ND		UG/KG	1
TRICHLOROETHENE	151	687	ND		UG/KG	1
1,2-DICHLOROPROPANE	151	687	ND		UG/KG	1
BROMODICHLOROMETHANE	90.7	687	ND		UG/KG	1
DIBROMOMETHANE	132	687	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	133	687	ND		UG/KG	1
TOLUENE	110	687	298	J	UG/KG	1
trans-1,3-DICHLOROPROPENE	81.0	687	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	111	687	ND		UG/KG	1
1,2-DIBROMOETHANE	121	687	ND		UG/KG	1
TETRACHLOROETHENE	107	687	ND		UG/KG	1
1,3-DICHLOROPROPANE	118	687	ND		UG/KG	1
DIBROMOCHLOROMETHANE	79.7	687	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0138	ARDL Lab No.:	300427-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0835	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	9	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	78.3	687	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	67.3	687	ND		UG/KG	1
ETHYLBENZENE	96.2	687	993		UG/KG	1
m & p-XYLENE	137	687	14700		UG/KG	1
o-XYLENE	63.2	687	9780		UG/KG	1
STYRENE	82.4	687	ND		UG/KG	1
2-HEXANONE	591	2750	ND		UG/KG	1
BROMOFORM	165	687	ND		UG/KG	1
ISOPROPYLBENZENE	90.7	687	970		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	302	687	ND		UG/KG	1
BROMOBENZENE	129	687	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	275	687	ND		UG/KG	1
n-PROPYLBENZENE	79.7	687	2020		UG/KG	1
2-CHLOROTOLUENE	107	687	ND		UG/KG	1
4-CHLOROTOLUENE	110	687	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	68.7	687	7670		UG/KG	1
tert-BUTYLBENZENE	74.2	687	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	192	1370	19500		UG/KG	2
sec-BUTYLBENZENE	86.5	687	ND		UG/KG	1
p-ISOPROPYLTOLUENE	83.8	687	3330		UG/KG	1
1,3-DICHLOROBENZENE	126	687	ND		UG/KG	1
1,4-DICHLOROBENZENE	137	687	ND		UG/KG	1
1,2-DICHLOROBENZENE	165	687	ND		UG/KG	1
n-BUTYLBENZENE	137	687	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	343	1370	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	151	687	ND		UG/KG	1
HEXACHLOROBUTADIENE	107	687	ND		UG/KG	1
NAPHTHALENE	234	687	3430		UG/KG	1
1,2,3-TRICHLOROBENZENE	179	687	ND		UG/KG	1
ACETONE	1180	6870	2210	J	UG/KG	1
2-BUTANONE	1080	6870	ND		UG/KG	1
4-METHYL-2-PENTANONE	495	2750	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0142	ARDL Lab No.:	300427-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0920	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	12.1	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	299	1420	ND		UG/KG	1
CHLOROMETHANE	213	1420	ND		UG/KG	1
VINYL CHLORIDE	185	1420	ND		UG/KG	1
BROMOMETHANE	112	1420	ND		UG/KG	1
CHLOROETHANE	213	1420	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	341	1420	ND		UG/KG	1
1,1-DICHLOROETHENE	185	711	ND		UG/KG	1
METHYLENE CHLORIDE	356	711	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	92.4	711	ND		UG/KG	1
1,1-DICHLOROETHANE	92.4	711	ND		UG/KG	1
CARBON DISULFIDE	213	711	ND		UG/KG	1
2,2-DICHLOROPROPANE	171	711	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	99.5	711	ND		UG/KG	1
BROMOCHLOROMETHANE	117	711	ND		UG/KG	1
CHLOROFORM	114	711	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	72.5	711	ND		UG/KG	1
1,1-DICHLOROPROPENE	142	711	ND		UG/KG	1
CARBON TETRACHLORIDE	139	711	ND		UG/KG	1
BENZENE	73.9	711	ND		UG/KG	1
1,2-DICHLOROETHANE	115	711	ND		UG/KG	1
TRICHLOROETHENE	156	711	ND		UG/KG	1
1,2-DICHLOROPROPANE	156	711	ND		UG/KG	1
BROMODICHLOROMETHANE	93.9	711	ND		UG/KG	1
DIBROMOMETHANE	137	711	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	138	711	ND		UG/KG	1
TOLUENE	114	711	2290		UG/KG	1
trans-1,3-DICHLOROPROPENE	83.9	711	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	115	711	ND		UG/KG	1
1,2-DIBROMOETHANE	125	711	ND		UG/KG	1
TETRACHLOROETHENE	111	711	ND		UG/KG	1
1,3-DICHLOROPROPANE	122	711	ND		UG/KG	1
DIBROMOCHLOROMETHANE	82.5	711	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0142	ARDL Lab No.:	300427-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0920	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0306LDH1
% Moisture:	12.1	Level:	MEDIUM

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	81.1	711	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	69.7	711	ND		UG/KG	1
ETHYLBENZENE	99.5	711	2100		UG/KG	1
m & p-XYLENE	711	3560	29900		UG/KG	5
o-XYLENE	327	3560	17400		UG/KG	5
STYRENE	85.3	711	ND		UG/KG	1
2-HEXANONE	611	2840	ND		UG/KG	1
BROMOFORM	171	711	ND		UG/KG	1
ISOPROPYLBENZENE	93.9	711	1800		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	313	711	ND		UG/KG	1
BROMOBENZENE	134	711	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	284	711	ND		UG/KG	1
n-PROPYLBENZENE	82.5	711	3640		UG/KG	1
2-CHLOROTOLUENE	111	711	ND		UG/KG	1
4-CHLOROTOLUENE	114	711	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	71.1	711	12700		UG/KG	1
tert-BUTYLBENZENE	76.8	711	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	498	3560	35300		UG/KG	5
sec-BUTYLBENZENE	89.6	711	ND		UG/KG	1
p-ISOPROPYLTOLUENE	86.7	711	5250		UG/KG	1
1,3-DICHLOROBENZENE	131	711	ND		UG/KG	1
1,4-DICHLOROBENZENE	142	711	ND		UG/KG	1
1,2-DICHLOROBENZENE	171	711	ND		UG/KG	1
n-BUTYLBENZENE	142	711	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	356	1420	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	156	711	ND		UG/KG	1
HEXACHLOROBUTADIENE	111	711	ND		UG/KG	1
NAPHTHALENE	242	711	5510		UG/KG	1
1,2,3-TRICHLOROBENZENE	185	711	ND		UG/KG	1
ACETONE	1220	7110	1520	J	UG/KG	1
2-BUTANONE	1120	7110	ND		UG/KG	1
4-METHYL-2-PENTANONE	512	2840	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0155	ARDL Lab No.:	300427-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1105	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.9	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.7	4.6	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.7	ND		UG/KG	1
CHLOROFORM	0.92	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.6	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.92	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.89	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0155	ARDL Lab No.:	300427-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1105	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.53	5.7	ND		UG/KG	1
STYRENE	0.69	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.9	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.89	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	2.9	J	UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	11.2		UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.7	2.4	J	UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.89	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	10.7		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.9	57.3	51.0	J	UG/KG	1
2-BUTANONE	9.0	57.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.9	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0165	ARDL Lab No.:	300427-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1230	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	15	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.5	11.8	ND		UG/KG	1
CHLOROMETHANE	1.8	11.8	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.8	ND		UG/KG	1
BROMOMETHANE	0.93	11.8	ND		UG/KG	1
CHLOROETHANE	1.8	11.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.9	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.9	5.2	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.76	5.9	ND		UG/KG	1
1,1-DICHLOROETHANE	0.76	5.9	ND		UG/KG	1
CARBON DISULFIDE	1.8	5.9	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.9	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.82	5.9	ND		UG/KG	1
BROMOCHLOROMETHANE	0.96	5.9	ND		UG/KG	1
CHLOROFORM	0.94	5.9	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.60	5.9	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	5.9	ND		UG/KG	1
CARBON TETRACHLORIDE	1.2	5.9	ND		UG/KG	1
BENZENE	0.61	5.9	ND		UG/KG	1
1,2-DICHLOROETHANE	0.95	5.9	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.9	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.9	ND		UG/KG	1
BROMODICHLOROMETHANE	0.78	5.9	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.9	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.9	ND		UG/KG	1
TOLUENE	0.94	5.9	17.4		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.69	5.9	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.95	5.9	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.9	ND		UG/KG	1
TETRACHLOROETHENE	0.92	5.9	ND		UG/KG	1
1,3-DICHLOROPROPANE	1	5.9	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.68	5.9	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0165	ARDL Lab No.:	300427-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1230	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	15	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.67	5.9	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.58	5.9	ND		UG/KG	1
ETHYLBENZENE	0.82	5.9	34.6		UG/KG	1
m & p-XYLENE	1.2	5.9	166		UG/KG	1
o-XYLENE	0.54	5.9	81.1		UG/KG	1
STYRENE	0.71	5.9	ND		UG/KG	1
2-HEXANONE	5.1	23.5	ND		UG/KG	1
BROMOFORM	1.4	5.9	ND		UG/KG	1
ISOPROPYLBENZENE	0.78	5.9	16.6		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.6	5.9	ND		UG/KG	1
BROMOBENZENE	1.1	5.9	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.4	5.9	ND		UG/KG	1
n-PROPYLBENZENE	0.68	5.9	29.3		UG/KG	1
2-CHLOROTOLUENE	0.92	5.9	ND		UG/KG	1
4-CHLOROTOLUENE	0.94	5.9	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.59	5.9	92.6		UG/KG	1
tert-BUTYLBENZENE	0.64	5.9	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	4.1	29.4	188		UG/KG	5
sec-BUTYLBENZENE	0.74	5.9	15.6		UG/KG	1
p-ISOPROPYLTOLUENE	0.72	5.9	51.8		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.9	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	5.9	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.9	ND		UG/KG	1
n-BUTYLBENZENE	1.2	5.9	26.2		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.9	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.92	5.9	ND		UG/KG	1
NAPHTHALENE	2.0	5.9	28.0		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.9	ND		UG/KG	1
ACETONE	10.1	58.8	134		UG/KG	1
2-BUTANONE	9.2	58.8	89.8		UG/KG	1
4-METHYL-2-PENTANONE	4.2	23.5	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0173	ARDL Lab No.:	300427-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1300	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0307LDH6
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.7	ND		UG/KG	1
CHLOROMETHANE	1.6	10.7	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.7	ND		UG/KG	1
BROMOMETHANE	0.85	10.7	ND		UG/KG	1
CHLOROETHANE	1.6	10.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	3.8	J	UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.94	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.92	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.4	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0173	ARDL Lab No.:	300427-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1300	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0307LDH6
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.75	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.49	5.4	ND		UG/KG	1
STYRENE	0.64	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.5	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.2	53.6	38.7	J	UG/KG	1
2-BUTANONE	8.4	53.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.5	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0180	ARDL Lab No.:	300427-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1420	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	9.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	5.6	B	UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	SB01-0180	ARDL Lab No.:	300427-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1420	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0307LDH2
% Moisture:	9.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.0	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.1	16.9	J	UG/KG	1
2-BUTANONE	8.7	55.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.0	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0101	ARDL Lab No.:	300433-04
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0915	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	14.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.5	11.7	ND		UG/KG	1
CHLOROMETHANE	1.8	11.7	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.7	ND		UG/KG	1
BROMOMETHANE	0.92	11.7	ND		UG/KG	1
CHLOROETHANE	1.8	11.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.8	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.8	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.76	5.8	ND		UG/KG	1
1,1-DICHLOROETHANE	0.76	5.8	ND		UG/KG	1
CARBON DISULFIDE	1.8	5.8	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.8	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.82	5.8	ND		UG/KG	1
BROMOCHLOROMETHANE	0.96	5.8	ND		UG/KG	1
CHLOROFORM	0.93	5.8	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.6	5.8	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	5.8	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.8	ND		UG/KG	1
BENZENE	0.61	5.8	ND		UG/KG	1
1,2-DICHLOROETHANE	0.95	5.8	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.8	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.8	ND		UG/KG	1
BROMODICHLOROMETHANE	0.77	5.8	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.8	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.8	ND		UG/KG	1
TOLUENE	0.93	5.8	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.69	5.8	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.95	5.8	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.8	ND		UG/KG	1
TETRACHLOROETHENE	0.91	5.8	ND		UG/KG	1
1,3-DICHLOROPROPANE	1.0	5.8	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.68	5.8	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0101	ARDL Lab No.:	300433-04 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0915	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	14.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.67	5.8	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.57	5.8	ND		UG/KG	1
ETHYLBENZENE	0.82	5.8	ND		UG/KG	1
m & p-XYLENE	1.2	5.8	ND		UG/KG	1
o-XYLENE	0.54	5.8	ND		UG/KG	1
STYRENE	0.70	5.8	ND		UG/KG	1
2-HEXANONE	5	23.3	ND		UG/KG	1
BROMOFORM	1.4	5.8	ND		UG/KG	1
ISOPROPYLBENZENE	0.77	5.8	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.6	5.8	ND		UG/KG	1
BROMOBENZENE	1.1	5.8	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.8	ND		UG/KG	1
n-PROPYLBENZENE	0.68	5.8	ND		UG/KG	1
2-CHLOROTOLUENE	0.91	5.8	ND		UG/KG	1
4-CHLOROTOLUENE	0.93	5.8	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.58	5.8	ND		UG/KG	1
tert-BUTYLBENZENE	0.63	5.8	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.82	5.8	ND		UG/KG	1
sec-BUTYLBENZENE	0.74	5.8	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.71	5.8	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.8	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.8	ND		UG/KG	1
n-BUTYLBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.8	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.91	5.8	ND		UG/KG	1
NAPHTHALENE	2	5.8	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.8	ND		UG/KG	1
ACETONE	10.0	58.3	ND		UG/KG	1
2-BUTANONE	9.2	58.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.2	23.3	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0109	ARDL Lab No.:	300433-05
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	10.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0109	ARDL Lab No.:	300433-05 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	10.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	0.81	J	UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	2.7	J	UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	56.0	ND		UG/KG	1
2-BUTANONE	8.8	56.0	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0119	ARDL Lab No.:	300433-06
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB02-0119	ARDL Lab No.:	300433-06 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	5 g	QC Batch:	0311TJP5
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.3	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.8	ND		UG/KG	1
2-BUTANONE	8.8	55.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.3	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0101	ARDL Lab No.:	300433-10
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1310	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.89	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.58	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.89	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0101	ARDL Lab No.:	300433-10 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1310	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.78	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.67	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.2	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.4	11.3	J	UG/KG	1
2-BUTANONE	8.7	55.4	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0109	ARDL Lab No.:	300433-11
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1320	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.89	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.59	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0109	ARDL Lab No.:	300433-11 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1320	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.68	5.6	ND		UG/KG	1
2-HEXANONE	4.9	22.6	ND		UG/KG	1
BROMOFORM	1.4	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.5	15.5	J	UG/KG	1
2-BUTANONE	8.9	56.5	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0119	ARDL Lab No.:	300433-12
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1335	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.90	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.90	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB03-0119	ARDL Lab No.:	300433-12 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1335	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.5	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.90	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.2	11.7	J	UG/KG	1
2-BUTANONE	8.8	56.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.5	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/20/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0101	ARDL Lab No.:	300433-01
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1725	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	11.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.89	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.7	ND		UG/KG	1
CHLOROFORM	0.91	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.59	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.91	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/20/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0101	ARDL Lab No.:	300433-01 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1725	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	11.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.7	ND		UG/KG	1
ETHYLBENZENE	0.79	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.52	5.7	ND		UG/KG	1
STYRENE	0.68	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.7	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.91	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.7	56.6	31.0	J	UG/KG	1
2-BUTANONE	8.9	56.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.7	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0109	ARDL Lab No.:	300433-02
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1740	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.91	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.75	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.75	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.7	ND		UG/KG	1
CHLOROFORM	0.92	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.59	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.6	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.92	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.9	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.67	5.7	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0109	ARDL Lab No.:	300433-02 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1740	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.66	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.53	5.7	ND		UG/KG	1
STYRENE	0.69	5.7	ND		UG/KG	1
2-HEXANONE	4.9	23.0	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.67	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.9	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.9	5.7	ND		UG/KG	1
NAPHTHALENE	2	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.9	57.5	63.0		UG/KG	1
2-BUTANONE	9	57.5	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	23.0	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0119	ARDL Lab No.:	300433-03
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1800	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.9	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.7	ND		UG/KG	1
CHLOROFORM	0.92	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.6	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.92	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.89	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB04-0119	ARDL Lab No.:	300433-03 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1800	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.53	5.7	ND		UG/KG	1
STYRENE	0.69	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.9	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.89	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.89	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.9	57.3	35.4	J	UG/KG	1
2-BUTANONE	9.0	57.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.9	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0101	ARDL Lab No.:	300433-13
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1430	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.70	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.70	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0101	ARDL Lab No.:	300433-13 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1430	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.75	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.5	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	53.8	14.0	J	UG/KG	1
2-BUTANONE	8.5	53.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.5	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0109	ARDL Lab No.:	300433-14
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1445	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.7	ND		UG/KG	1
CHLOROMETHANE	1.6	10.7	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.7	ND		UG/KG	1
BROMOMETHANE	0.84	10.7	ND		UG/KG	1
CHLOROETHANE	1.6	10.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.3	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.94	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.92	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.3	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0109	ARDL Lab No.:	300433-14 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1445	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.75	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.64	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.3	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	1.0	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.98	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.2	53.3	15.7	J	UG/KG	1
2-BUTANONE	8.4	53.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.3	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0112	ARDL Lab No.:	300433-15
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.86	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.89	5.4	ND		UG/KG	1
CHLOROFORM	0.87	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.88	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
TOLUENE	0.87	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.88	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB05-0112	ARDL Lab No.:	300433-15 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.7	21.7	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.87	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	54.2	12.6	J	UG/KG	1
2-BUTANONE	8.5	54.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.7	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0101	ARDL Lab No.:	300433-16
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0755	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

ARDL, INC.
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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0101	ARDL Lab No.:	300433-16 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0755	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.6	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	53.9	11.9	J	UG/KG	1
2-BUTANONE	8.5	53.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0107	ARDL Lab No.:	300433-17
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0810	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	0.93	J	UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0107	ARDL Lab No.:	300433-17 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0810	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	1.4	J	UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	56.1	45.8	J	UG/KG	1
2-BUTANONE	8.8	56.1	15.2	J	UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0117	ARDL Lab No.:	300433-18
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0825	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	8.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.6	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.6	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.90	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB06-0117	ARDL Lab No.:	300433-18 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0825	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	5 g	QC Batch:	0311TJP7
% Moisture:	8.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	1.3	J	UG/KG	1
o-XYLENE	0.5	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.0	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.4	54.9	17.0	J	UG/KG	1
2-BUTANONE	8.6	54.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.0	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0101	ARDL Lab No.:	300433-07
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.91	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.8	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.8	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.75	5.8	ND		UG/KG	1
1,1-DICHLOROETHANE	0.75	5.8	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.8	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.8	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.81	5.8	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.8	ND		UG/KG	1
CHLOROFORM	0.92	5.8	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.59	5.8	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	5.8	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.8	ND		UG/KG	1
BENZENE	0.6	5.8	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.8	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.8	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.8	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.8	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.8	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.8	ND		UG/KG	1
TOLUENE	0.92	5.8	1.0	J	UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.8	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.8	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.8	ND		UG/KG	1
TETRACHLOROETHENE	0.9	5.8	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.8	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.67	5.8	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0101	ARDL Lab No.:	300433-07 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.66	5.8	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.8	ND		UG/KG	1
ETHYLBENZENE	0.81	5.8	ND		UG/KG	1
m & p-XYLENE	1.2	5.8	1.3	J	UG/KG	1
o-XYLENE	0.53	5.8	ND		UG/KG	1
STYRENE	0.69	5.8	ND		UG/KG	1
2-HEXANONE	4.9	23.0	ND		UG/KG	1
BROMOFORM	1.4	5.8	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.8	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.8	ND		UG/KG	1
BROMOBENZENE	1.1	5.8	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.8	ND		UG/KG	1
n-PROPYLBENZENE	0.67	5.8	ND		UG/KG	1
2-CHLOROTOLUENE	0.9	5.8	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.8	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.58	5.8	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.8	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.81	5.8	ND		UG/KG	1
sec-BUTYLBENZENE	0.72	5.8	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.8	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.8	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.8	ND		UG/KG	1
n-BUTYLBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.8	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.9	5.8	ND		UG/KG	1
NAPHTHALENE	2	5.8	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.8	ND		UG/KG	1
ACETONE	9.9	57.5	31.8	J	UG/KG	1
2-BUTANONE	9	57.5	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	23.0	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0109	ARDL Lab No.:	300433-08
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1130	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.6	ND		UG/KG	1
CHLOROMETHANE	1.7	11.6	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.6	ND		UG/KG	1
BROMOMETHANE	0.91	11.6	ND		UG/KG	1
CHLOROETHANE	1.7	11.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.8	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.8	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.75	5.8	ND		UG/KG	1
1,1-DICHLOROETHANE	0.75	5.8	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.8	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.8	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.81	5.8	ND		UG/KG	1
BROMOCHLOROMETHANE	0.95	5.8	ND		UG/KG	1
CHLOROFORM	0.92	5.8	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.59	5.8	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	5.8	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.8	ND		UG/KG	1
BENZENE	0.6	5.8	ND		UG/KG	1
1,2-DICHLOROETHANE	0.94	5.8	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.8	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.8	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.8	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.8	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.8	ND		UG/KG	1
TOLUENE	0.92	5.8	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.8	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.94	5.8	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.8	ND		UG/KG	1
TETRACHLOROETHENE	0.9	5.8	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.8	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.67	5.8	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0109	ARDL Lab No.:	300433-08 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1130	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	13.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.66	5.8	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.57	5.8	ND		UG/KG	1
ETHYLBENZENE	0.81	5.8	ND		UG/KG	1
m & p-XYLENE	1.2	5.8	ND		UG/KG	1
o-XYLENE	0.53	5.8	ND		UG/KG	1
STYRENE	0.69	5.8	ND		UG/KG	1
2-HEXANONE	5	23.1	ND		UG/KG	1
BROMOFORM	1.4	5.8	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.8	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.8	ND		UG/KG	1
BROMOBENZENE	1.1	5.8	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.8	ND		UG/KG	1
n-PROPYLBENZENE	0.67	5.8	ND		UG/KG	1
2-CHLOROTOLUENE	0.9	5.8	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.8	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.58	5.8	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.8	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.81	5.8	ND		UG/KG	1
sec-BUTYLBENZENE	0.73	5.8	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.71	5.8	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.8	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.8	ND		UG/KG	1
n-BUTYLBENZENE	1.2	5.8	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.8	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.9	5.8	ND		UG/KG	1
NAPHTHALENE	2	5.8	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.8	ND		UG/KG	1
ACETONE	9.9	57.8	31.2	J	UG/KG	1
2-BUTANONE	9.1	57.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.2	23.1	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0119	ARDL Lab No.:	300433-09
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/11/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB07-0119	ARDL Lab No.:	300433-09 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	5 g	QC Batch:	0311TJP6
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	56.1	38.9	J	UG/KG	1
2-BUTANONE	8.8	56.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0101	ARDL Lab No.:	300434-13
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0835	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	7.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.89	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.88	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.88	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0101	ARDL Lab No.:	300434-13 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0835	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	7.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.6	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	54.1	ND		UG/KG	1
2-BUTANONE	8.5	54.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0103	ARDL Lab No.:	300434-14
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0840	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0103	ARDL Lab No.:	300434-14 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0840	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.3	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
ACETONE	9.6	55.7	ND		UG/KG	1
2-BUTANONE	8.8	55.7	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.3	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/18/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0110	ARDL Lab No.:	300434-15
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0850	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.6	ND		UG/KG	1
CHLOROMETHANE	1.6	10.6	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.6	ND		UG/KG	1
BROMOMETHANE	0.84	10.6	ND		UG/KG	1
CHLOROETHANE	1.6	10.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.5	10.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.3	3.9	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.74	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.93	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.91	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.3	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/18/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB08-0110	ARDL Lab No.:	300434-15 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0850	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.74	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.64	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.2	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	1	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.57	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.74	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.98	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.1	53.1	ND		UG/KG	1
2-BUTANONE	8.3	53.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/18/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0101	ARDL Lab No.:	300434-16
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0950	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	8.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.9	ND		UG/KG	1
CHLOROMETHANE	1.6	10.9	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.9	ND		UG/KG	1
BROMOMETHANE	0.86	10.9	ND		UG/KG	1
CHLOROETHANE	1.6	10.9	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.9	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	4.6	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.89	5.4	ND		UG/KG	1
CHLOROFORM	0.87	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.57	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.88	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
TOLUENE	0.87	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.88	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.96	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0101	ARDL Lab No.:	300434-16 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0950	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	8.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.7	21.8	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.87	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.0	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.9	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.4	ND		UG/KG	1
NAPHTHALENE	1.9	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.4	54.5	ND		UG/KG	1
2-BUTANONE	8.6	54.5	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.8	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/18/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0102	ARDL Lab No.:	300434-17
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0955	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.6	ND		UG/KG	1
CHLOROMETHANE	1.6	10.6	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.6	ND		UG/KG	1
BROMOMETHANE	0.84	10.6	ND		UG/KG	1
CHLOROETHANE	1.6	10.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.5	10.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.3	3.5	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.74	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.93	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.91	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.3	ND		UG/KG	1

ARDL, INC.
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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/18/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0102	ARDL Lab No.:	300434-17 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0955	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.74	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.64	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.2	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	1	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.57	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.74	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.98	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.1	53.1	ND		UG/KG	1
2-BUTANONE	8.3	53.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.2	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/24/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0115	ARDL Lab No.:	300434-18
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	5	JB	UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/24/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB09-0115	ARDL Lab No.:	300434-18 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	03/06/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	5 g	QC Batch:	0313TJP4
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.0	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.0	11.0	J	UG/KG	1
2-BUTANONE	8.6	55.0	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.0	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0101	ARDL Lab No.:	300434-12
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1545	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0101	ARDL Lab No.:	300434-12 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1545	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.1	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.2	ND		UG/KG	1
2-BUTANONE	8.7	55.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.1	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0106	ARDL Lab No.:	300435-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1605	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0106	ARDL Lab No.:	300435-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1605	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.3	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.8	13.2	J	UG/KG	1
2-BUTANONE	8.8	55.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.3	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/25/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0110	ARDL Lab No.:	300435-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1615	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0314TJP8
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	5.7	B	UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/25/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB10-0110	ARDL Lab No.:	300435-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1615	Prep. Date:	03/05/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	5 g	QC Batch:	0314TJP8
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.2	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
ACETONE	9.6	55.6	ND		UG/KG	1
2-BUTANONE	8.7	55.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.0	22.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0101	ARDL Lab No.:	300435-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	4.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.4	ND		UG/KG	1
CHLOROMETHANE	1.6	10.4	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.4	ND		UG/KG	1
BROMOMETHANE	0.83	10.4	ND		UG/KG	1
CHLOROETHANE	1.6	10.4	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.5	10.4	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.2	ND		UG/KG	1
METHYLENE CHLORIDE	2.6	5.2	7.4		UG/KG	1
trans-1,2-DICHLOROETHENE	0.68	5.2	ND		UG/KG	1
1,1-DICHLOROETHANE	0.68	5.2	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.2	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.2	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.73	5.2	ND		UG/KG	1
BROMOCHLOROMETHANE	0.86	5.2	ND		UG/KG	1
CHLOROFORM	0.84	5.2	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.53	5.2	ND		UG/KG	1
1,1-DICHLOROPROPENE	1	5.2	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.2	ND		UG/KG	1
BENZENE	0.54	5.2	ND		UG/KG	1
1,2-DICHLOROETHANE	0.85	5.2	ND		UG/KG	1
TRICHLOROETHENE	1.1	5.2	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.1	5.2	ND		UG/KG	1
BROMODICHLOROMETHANE	0.69	5.2	ND		UG/KG	1
DIBROMOMETHANE	1.0	5.2	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.2	ND		UG/KG	1
TOLUENE	0.84	5.2	1.9	J	UG/KG	1
trans-1,3-DICHLOROPROPENE	0.62	5.2	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.85	5.2	ND		UG/KG	1
1,2-DIBROMOETHANE	0.92	5.2	ND		UG/KG	1
TETRACHLOROETHENE	0.82	5.2	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.9	5.2	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.61	5.2	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0101	ARDL Lab No.:	300435-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	4.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.6	5.2	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.51	5.2	ND		UG/KG	1
ETHYLBENZENE	0.73	5.2	ND		UG/KG	1
m & p-XYLENE	1	5.2	ND		UG/KG	1
o-XYLENE	0.48	5.2	ND		UG/KG	1
STYRENE	0.63	5.2	ND		UG/KG	1
2-HEXANONE	4.5	20.9	ND		UG/KG	1
BROMOFORM	1.3	5.2	ND		UG/KG	1
ISOPROPYLBENZENE	0.69	5.2	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.2	ND		UG/KG	1
BROMOBENZENE	0.98	5.2	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.2	ND		UG/KG	1
n-PROPYLBENZENE	0.61	5.2	ND		UG/KG	1
2-CHLOROTOLUENE	0.82	5.2	ND		UG/KG	1
4-CHLOROTOLUENE	0.84	5.2	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.52	5.2	ND		UG/KG	1
tert-BUTYLBENZENE	0.56	5.2	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.73	5.2	ND		UG/KG	1
sec-BUTYLBENZENE	0.66	5.2	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.64	5.2	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.96	5.2	ND		UG/KG	1
1,4-DICHLOROBENZENE	1	5.2	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.2	ND		UG/KG	1
n-BUTYLBENZENE	1	5.2	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.6	10.4	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.1	5.2	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.82	5.2	ND		UG/KG	1
NAPHTHALENE	1.8	5.2	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.2	ND		UG/KG	1
ACETONE	9	52.2	12.3	J	UG/KG	1
2-BUTANONE	8.2	52.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	20.9	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/25/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0107	ARDL Lab No.:	300435-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.89	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.59	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/25/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0107	ARDL Lab No.:	300435-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.68	5.6	ND		UG/KG	1
2-HEXANONE	4.9	22.6	ND		UG/KG	1
BROMOFORM	1.4	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.5	17.1	J	UG/KG	1
2-BUTANONE	8.9	56.5	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.6	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0117	ARDL Lab No.:	300435-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	9.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.87	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.58	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB11-0117	ARDL Lab No.:	300435-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	9.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.1	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.3	ND		UG/KG	1
2-BUTANONE	8.7	55.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.1	ND		UG/KG	1

ARDL, INC.
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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0101	ARDL Lab No.:	300435-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	12.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.4	ND		UG/KG	1
CHLOROMETHANE	1.7	11.4	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.4	ND		UG/KG	1
BROMOMETHANE	0.90	11.4	ND		UG/KG	1
CHLOROETHANE	1.7	11.4	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.4	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.7	ND		UG/KG	1
CHLOROFORM	0.91	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.59	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.91	5.7	1.6	J	UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1.0	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.89	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.98	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0101	ARDL Lab No.:	300435-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	12.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	2.7	J	UG/KG	1
o-XYLENE	0.52	5.7	1.2	J	UG/KG	1
STYRENE	0.68	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.8	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.89	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.91	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	1.1	J	UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.4	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.89	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.8	56.9	ND		UG/KG	1
2-BUTANONE	9	56.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.8	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0102	ARDL Lab No.:	300435-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1200	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.6	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.6	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.96	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0102	ARDL Lab No.:	300435-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1200	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	1.2	J	UG/KG	1
o-XYLENE	0.5	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	21.9	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.4	54.8	13.2	J	UG/KG	1
2-BUTANONE	8.6	54.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.9	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0110	ARDL Lab No.:	300435-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1215	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.9	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.7	ND		UG/KG	1
CHLOROFORM	0.92	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.6	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.92	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.89	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0110	ARDL Lab No.:	300435-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1215	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	1.1	J	UG/KG	1
o-XYLENE	0.53	5.7	ND		UG/KG	1
STYRENE	0.69	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.9	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.89	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	2	J	UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.89	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.9	57.3	36.3	J	UG/KG	1
2-BUTANONE	9.0	57.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.9	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0121	ARDL Lab No.:	300435-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	10	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.90	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.90	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0121	ARDL Lab No.:	300435-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0314TJP7
% Moisture:	10	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.2	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.60	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.70	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
ACETONE	9.6	55.6	12.4	J	UG/KG	1
2-BUTANONE	8.7	55.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.0	22.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0130	ARDL Lab No.:	300435-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1440	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0314TJP1
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.9	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.7	14.0		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.7	ND		UG/KG	1
CHLOROFORM	0.91	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.59	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.91	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.98	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB12-0130	ARDL Lab No.:	300435-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1440	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0314TJP1
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.79	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.52	5.7	ND		UG/KG	1
STYRENE	0.68	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.7	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.91	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.8	56.7	ND		UG/KG	1
2-BUTANONE	8.9	56.7	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.7	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0101	ARDL Lab No.:	300434-20
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1110	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313TJP3
% Moisture:	7.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	11.0		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.89	5.4	ND		UG/KG	1
CHLOROFORM	0.87	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.88	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.87	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.88	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0101	ARDL Lab No.:	300434-20 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1110	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313TJP3
% Moisture:	7.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.7	21.6	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.87	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	54.1	ND		UG/KG	1
2-BUTANONE	8.5	54.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.6	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0104	ARDL Lab No.:	300434-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	5.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.6	ND		UG/KG	1
CHLOROMETHANE	1.6	10.6	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.6	ND		UG/KG	1
BROMOMETHANE	0.83	10.6	ND		UG/KG	1
CHLOROETHANE	1.6	10.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.5	10.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.6	5.3	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.74	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.84	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.84	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.62	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.93	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.82	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.91	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.61	5.3	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0104	ARDL Lab No.:	300434-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	5.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.6	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.74	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.63	5.3	ND		UG/KG	1
2-HEXANONE	4.5	21.1	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	0.99	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.61	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.82	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.84	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.57	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.74	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.64	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.97	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.6	10.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.82	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.1	52.8	ND		UG/KG	1
2-BUTANONE	8.3	52.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.1	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0115	ARDL Lab No.:	300434-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1125	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB13-0115	ARDL Lab No.:	300434-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1125	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.6	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	53.9	ND		UG/KG	1
2-BUTANONE	8.5	53.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0101	ARDL Lab No.:	300434-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1620	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	5.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.6	ND		UG/KG	1
CHLOROMETHANE	1.6	10.6	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.6	ND		UG/KG	1
BROMOMETHANE	0.84	10.6	ND		UG/KG	1
CHLOROETHANE	1.6	10.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.5	10.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.6	5.3	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.74	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.62	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.93	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.91	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.61	5.3	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0101	ARDL Lab No.:	300434-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1620	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	5.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.6	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.74	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.63	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.2	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	0.99	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.61	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.57	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.74	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.97	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.6	10.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.1	52.9	ND		UG/KG	1
2-BUTANONE	8.3	52.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0102	ARDL Lab No.:	300434-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1630	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0102	ARDL Lab No.:	300434-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1630	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.0	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.0	ND		UG/KG	1
2-BUTANONE	8.6	55.0	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.0	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0115	ARDL Lab No.:	300434-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1635	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB14-0115	ARDL Lab No.:	300434-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1635	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.9	ND		UG/KG	1
2-BUTANONE	8.8	55.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0101	ARDL Lab No.:	300434-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0101	ARDL Lab No.:	300434-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	22.0	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.0	ND		UG/KG	1
2-BUTANONE	8.6	55.0	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.0	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0109	ARDL Lab No.:	300434-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1405	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0109	ARDL Lab No.:	300434-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1405	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.9	ND		UG/KG	1
2-BUTANONE	8.8	55.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0119	ARDL Lab No.:	300434-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1410	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.90	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.90	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB15-0119	ARDL Lab No.:	300434-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1410	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.5	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.90	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.2	ND		UG/KG	1
2-BUTANONE	8.8	56.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.5	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0101	ARDL Lab No.:	300434-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1500	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.90	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.90	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0101	ARDL Lab No.:	300434-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1500	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.5	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.90	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.2	ND		UG/KG	1
2-BUTANONE	8.8	56.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0104	ARDL Lab No.:	300434-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	17.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.5	12.1	ND		UG/KG	1
CHLOROMETHANE	1.8	12.1	ND		UG/KG	1
VINYL CHLORIDE	1.6	12.1	ND		UG/KG	1
BROMOMETHANE	0.96	12.1	ND		UG/KG	1
CHLOROETHANE	1.8	12.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.9	12.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.6	6.1	ND		UG/KG	1
METHYLENE CHLORIDE	3	6.1	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.79	6.1	ND		UG/KG	1
1,1-DICHLOROETHANE	0.79	6.1	ND		UG/KG	1
CARBON DISULFIDE	1.8	6.1	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.5	6.1	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.85	6.1	ND		UG/KG	1
BROMOCHLOROMETHANE	0.99	6.1	ND		UG/KG	1
CHLOROFORM	0.97	6.1	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.62	6.1	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	6.1	ND		UG/KG	1
CARBON TETRACHLORIDE	1.2	6.1	ND		UG/KG	1
BENZENE	0.63	6.1	ND		UG/KG	1
1,2-DICHLOROETHANE	0.98	6.1	ND		UG/KG	1
TRICHLOROETHENE	1.3	6.1	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	6.1	ND		UG/KG	1
BROMODICHLOROMETHANE	0.80	6.1	ND		UG/KG	1
DIBROMOMETHANE	1.2	6.1	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.2	6.1	ND		UG/KG	1
TOLUENE	0.97	6.1	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.72	6.1	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.98	6.1	ND		UG/KG	1
1,2-DIBROMOETHANE	1.1	6.1	ND		UG/KG	1
TETRACHLOROETHENE	0.95	6.1	ND		UG/KG	1
1,3-DICHLOROPROPANE	1	6.1	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.7	6.1	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0104	ARDL Lab No.:	300434-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	17.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.69	6.1	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.59	6.1	ND		UG/KG	1
ETHYLBENZENE	0.85	6.1	ND		UG/KG	1
m & p-XYLENE	1.2	6.1	ND		UG/KG	1
o-XYLENE	0.56	6.1	ND		UG/KG	1
STYRENE	0.73	6.1	ND		UG/KG	1
2-HEXANONE	5.2	24.2	ND		UG/KG	1
BROMOFORM	1.5	6.1	ND		UG/KG	1
ISOPROPYLBENZENE	0.80	6.1	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.7	6.1	ND		UG/KG	1
BROMOBENZENE	1.1	6.1	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.4	6.1	ND		UG/KG	1
n-PROPYLBENZENE	0.7	6.1	ND		UG/KG	1
2-CHLOROTOLUENE	0.95	6.1	ND		UG/KG	1
4-CHLOROTOLUENE	0.97	6.1	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.61	6.1	ND		UG/KG	1
tert-BUTYLBENZENE	0.65	6.1	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.85	6.1	ND		UG/KG	1
sec-BUTYLBENZENE	0.76	6.1	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.74	6.1	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	6.1	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	6.1	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.5	6.1	ND		UG/KG	1
n-BUTYLBENZENE	1.2	6.1	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	3	12.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	6.1	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.95	6.1	ND		UG/KG	1
NAPHTHALENE	2.1	6.1	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.6	6.1	ND		UG/KG	1
ACETONE	10.4	60.6	ND		UG/KG	1
2-BUTANONE	9.5	60.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.4	24.2	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0110	ARDL Lab No.:	300434-11
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1515	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.9	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.7	ND		UG/KG	1
CHLOROFORM	0.91	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.59	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.91	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.98	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB16-0110	ARDL Lab No.:	300434-11 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1515	Prep. Date:	03/04/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	5 g	QC Batch:	0313TJP2
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.79	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.52	5.7	ND		UG/KG	1
STYRENE	0.68	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.7	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.91	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.8	56.7	ND		UG/KG	1
2-BUTANONE	8.9	56.7	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0101	ARDL Lab No.:	300439-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0845	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.5	ND		UG/KG	1
CHLOROMETHANE	1.7	11.5	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.5	ND		UG/KG	1
BROMOMETHANE	0.9	11.5	ND		UG/KG	1
CHLOROETHANE	1.7	11.5	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.5	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.7	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.8	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.94	5.7	ND		UG/KG	1
CHLOROFORM	0.92	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.6	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.93	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.76	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.92	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.68	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.93	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.89	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.99	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0101	ARDL Lab No.:	300439-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0845	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.8	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.53	5.7	ND		UG/KG	1
STYRENE	0.69	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.9	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.76	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.89	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.92	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.62	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.8	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.72	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.7	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.5	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.89	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.9	57.3	ND		UG/KG	1
2-BUTANONE	9.0	57.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.9	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0109	ARDL Lab No.:	300439-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	14.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.5	11.7	ND		UG/KG	1
CHLOROMETHANE	1.8	11.7	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.7	ND		UG/KG	1
BROMOMETHANE	0.93	11.7	ND		UG/KG	1
CHLOROETHANE	1.8	11.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.8	11.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.9	ND		UG/KG	1
METHYLENE CHLORIDE	2.9	5.9	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.76	5.9	ND		UG/KG	1
1,1-DICHLOROETHANE	0.76	5.9	ND		UG/KG	1
CARBON DISULFIDE	1.8	5.9	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.9	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.82	5.9	ND		UG/KG	1
BROMOCHLOROMETHANE	0.96	5.9	ND		UG/KG	1
CHLOROFORM	0.94	5.9	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.6	5.9	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.2	5.9	ND		UG/KG	1
CARBON TETRACHLORIDE	1.2	5.9	ND		UG/KG	1
BENZENE	0.61	5.9	ND		UG/KG	1
1,2-DICHLOROETHANE	0.95	5.9	ND		UG/KG	1
TRICHLOROETHENE	1.3	5.9	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.3	5.9	ND		UG/KG	1
BROMODICHLOROMETHANE	0.77	5.9	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.9	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.9	ND		UG/KG	1
TOLUENE	0.94	5.9	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.69	5.9	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.95	5.9	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.9	ND		UG/KG	1
TETRACHLOROETHENE	0.92	5.9	ND		UG/KG	1
1,3-DICHLOROPROPANE	1	5.9	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.68	5.9	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0109	ARDL Lab No.:	300439-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	14.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.67	5.9	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.58	5.9	ND		UG/KG	1
ETHYLBENZENE	0.82	5.9	ND		UG/KG	1
m & p-XYLENE	1.2	5.9	ND		UG/KG	1
o-XYLENE	0.54	5.9	ND		UG/KG	1
STYRENE	0.7	5.9	ND		UG/KG	1
2-HEXANONE	5	23.5	ND		UG/KG	1
BROMOFORM	1.4	5.9	ND		UG/KG	1
ISOPROPYLBENZENE	0.77	5.9	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.6	5.9	ND		UG/KG	1
BROMOBENZENE	1.1	5.9	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.9	ND		UG/KG	1
n-PROPYLBENZENE	0.68	5.9	ND		UG/KG	1
2-CHLOROTOLUENE	0.92	5.9	ND		UG/KG	1
4-CHLOROTOLUENE	0.94	5.9	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.59	5.9	ND		UG/KG	1
tert-BUTYLBENZENE	0.63	5.9	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.82	5.9	ND		UG/KG	1
sec-BUTYLBENZENE	0.74	5.9	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.72	5.9	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.1	5.9	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.2	5.9	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.9	ND		UG/KG	1
n-BUTYLBENZENE	1.2	5.9	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.9	11.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.3	5.9	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.92	5.9	ND		UG/KG	1
NAPHTHALENE	2.0	5.9	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.9	ND		UG/KG	1
ACETONE	10.1	58.7	ND		UG/KG	1
2-BUTANONE	9.2	58.7	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.2	23.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0119	ARDL Lab No.:	300439-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0905	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0119	ARDL Lab No.:	300439-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0905	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.1	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.2	ND		UG/KG	1
2-BUTANONE	8.7	55.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.1	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0129	ARDL Lab No.:	300439-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0129	ARDL Lab No.:	300439-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.1	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.2	ND		UG/KG	1
2-BUTANONE	8.7	55.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.1	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0139	ARDL Lab No.:	300439-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0955	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.6	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.6	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.96	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0139	ARDL Lab No.:	300439-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0955	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.5	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	21.9	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.4	54.8	ND		UG/KG	1
2-BUTANONE	8.6	54.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.9	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0145	ARDL Lab No.:	300439-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1025	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.7	ND		UG/KG	1
CHLOROMETHANE	1.6	10.7	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.7	ND		UG/KG	1
BROMOMETHANE	0.85	10.7	ND		UG/KG	1
CHLOROETHANE	1.6	10.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.94	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.92	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.4	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0145	ARDL Lab No.:	300439-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1025	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.75	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.49	5.4	ND		UG/KG	1
STYRENE	0.64	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.5	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.2	53.6	ND		UG/KG	1
2-BUTANONE	8.4	53.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.5	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0159	ARDL Lab No.:	300439-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1125	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	8.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.9	ND		UG/KG	1
CHLOROMETHANE	1.6	10.9	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.9	ND		UG/KG	1
BROMOMETHANE	0.86	10.9	ND		UG/KG	1
CHLOROETHANE	1.6	10.9	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.9	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.89	5.4	ND		UG/KG	1
CHLOROFORM	0.87	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.57	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.88	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
TOLUENE	0.87	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.88	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.96	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB17-0159	ARDL Lab No.:	300439-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1125	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	8.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.7	21.8	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.87	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	1.0	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.9	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.4	54.4	21.8	J	UG/KG	1
2-BUTANONE	8.6	54.4	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.8	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0101	ARDL Lab No.:	300439-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1335	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	11	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0101	ARDL Lab No.:	300439-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1335	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	11	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.5	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.2	ND		UG/KG	1
2-BUTANONE	8.8	56.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0109	ARDL Lab No.:	300439-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1340	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	11.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.89	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.59	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0109	ARDL Lab No.:	300439-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1340	Prep. Date:	03/10/1997
Matrix:	SOIL	Analysis Date:	03/10/1997
Amount Used:	5 g	QC Batch:	0313LS6
% Moisture:	11.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.68	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.5	ND		UG/KG	1
BROMOFORM	1.4	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.4	ND		UG/KG	1
2-BUTANONE	8.9	56.4	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0119	ARDL Lab No.:	300439-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1405	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.0	ND		UG/KG	1
CHLOROMETHANE	1.7	11.0	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.0	ND		UG/KG	1
BROMOMETHANE	0.87	11.0	ND		UG/KG	1
CHLOROETHANE	1.7	11.0	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.0	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.88	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.88	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.97	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0119	ARDL Lab No.:	300439-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1405	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.1	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.88	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.0	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.2	ND		UG/KG	1
2-BUTANONE	8.7	55.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.1	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0124	ARDL Lab No.:	300439-11
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1420	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0124	ARDL Lab No.:	300439-11 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1420	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.2	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.6	ND		UG/KG	1
ACETONE	9.6	55.6	ND		UG/KG	1
2-BUTANONE	8.7	55.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.0	22.2	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0133	ARDL Lab No.:	300439-12
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1455	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	8.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.9	ND		UG/KG	1
CHLOROMETHANE	1.6	10.9	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.9	ND		UG/KG	1
BROMOMETHANE	0.86	10.9	ND		UG/KG	1
CHLOROETHANE	1.6	10.9	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.9	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.71	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.71	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.77	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.9	5.5	ND		UG/KG	1
CHLOROFORM	0.87	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.56	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.57	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.89	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.72	5.5	ND		UG/KG	1
DIBROMOMETHANE	1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.87	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.89	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.96	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.85	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.94	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0133	ARDL Lab No.:	300439-12 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1455	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	8.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.62	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.77	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.5	5.5	ND		UG/KG	1
STYRENE	0.66	5.5	ND		UG/KG	1
2-HEXANONE	4.7	21.9	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.72	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.85	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.87	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.59	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.77	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.69	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.67	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.9	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.85	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.4	54.6	ND		UG/KG	1
2-BUTANONE	8.6	54.6	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.9	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0143	ARDL Lab No.:	300439-13
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1530	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.7	ND		UG/KG	1
CHLOROMETHANE	1.6	10.7	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.7	ND		UG/KG	1
BROMOMETHANE	0.84	10.7	ND		UG/KG	1
CHLOROETHANE	1.6	10.7	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.7	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.3	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.94	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.92	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.3	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0143	ARDL Lab No.:	300439-13 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1530	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.75	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.64	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.3	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	1.0	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.98	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.7	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.2	53.3	ND		UG/KG	1
2-BUTANONE	8.4	53.3	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.3	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0156	ARDL Lab No.:	300439-14
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1555	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.70	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.70	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.4	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB18-0156	ARDL Lab No.:	300439-14 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1555	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.75	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.5	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	53.8	ND		UG/KG	1
2-BUTANONE	8.5	53.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0101	ARDL Lab No.:	300439-21
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0805	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.3	ND		UG/KG	1
CHLOROMETHANE	1.7	11.3	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.3	ND		UG/KG	1
BROMOMETHANE	0.9	11.3	ND		UG/KG	1
CHLOROETHANE	1.7	11.3	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.3	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.7	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.7	11.6		UG/KG	1
trans-1,2-DICHLOROETHENE	0.74	5.7	ND		UG/KG	1
1,1-DICHLOROETHANE	0.74	5.7	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.7	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.4	5.7	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.7	ND		UG/KG	1
BROMOCHLOROMETHANE	0.93	5.7	ND		UG/KG	1
CHLOROFORM	0.91	5.7	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.58	5.7	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.7	ND		UG/KG	1
BENZENE	0.59	5.7	ND		UG/KG	1
1,2-DICHLOROETHANE	0.92	5.7	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.7	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.7	ND		UG/KG	1
BROMODICHLOROMETHANE	0.75	5.7	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.7	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.7	ND		UG/KG	1
TOLUENE	0.91	5.7	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.67	5.7	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.92	5.7	ND		UG/KG	1
1,2-DIBROMOETHANE	1	5.7	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.7	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.98	5.7	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.66	5.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0101	ARDL Lab No.:	300439-21 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0805	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.65	5.7	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.56	5.7	ND		UG/KG	1
ETHYLBENZENE	0.79	5.7	ND		UG/KG	1
m & p-XYLENE	1.1	5.7	ND		UG/KG	1
o-XYLENE	0.52	5.7	ND		UG/KG	1
STYRENE	0.68	5.7	ND		UG/KG	1
2-HEXANONE	4.9	22.7	ND		UG/KG	1
BROMOFORM	1.4	5.7	ND		UG/KG	1
ISOPROPYLBENZENE	0.75	5.7	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.7	ND		UG/KG	1
BROMOBENZENE	1.1	5.7	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.3	5.7	ND		UG/KG	1
n-PROPYLBENZENE	0.66	5.7	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.7	ND		UG/KG	1
4-CHLOROTOLUENE	0.91	5.7	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.57	5.7	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.7	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.7	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.7	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.69	5.7	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.7	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.4	5.7	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.7	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.3	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.7	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.7	ND		UG/KG	1
NAPHTHALENE	1.9	5.7	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.7	ND		UG/KG	1
ACETONE	9.8	56.7	ND		UG/KG	1
2-BUTANONE	8.9	56.7	ND		UG/KG	1
4-METHYL-2-PENTANONE	4.1	22.7	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0104	ARDL Lab No.:	300439-15
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0810	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.1	ND		UG/KG	1
CHLOROMETHANE	1.7	11.1	ND		UG/KG	1
VINYL CHLORIDE	1.4	11.1	ND		UG/KG	1
BROMOMETHANE	0.88	11.1	ND		UG/KG	1
CHLOROETHANE	1.7	11.1	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.1	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.5	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.5	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.72	5.5	ND		UG/KG	1
1,1-DICHLOROETHANE	0.72	5.5	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.5	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.5	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.5	ND		UG/KG	1
BROMOCHLOROMETHANE	0.91	5.5	ND		UG/KG	1
CHLOROFORM	0.89	5.5	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.5	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.5	ND		UG/KG	1
BENZENE	0.58	5.5	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.5	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.5	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.5	ND		UG/KG	1
BROMODICHLOROMETHANE	0.73	5.5	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.5	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.5	ND		UG/KG	1
TOLUENE	0.89	5.5	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.65	5.5	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.5	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.5	ND		UG/KG	1
TETRACHLOROETHENE	0.86	5.5	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.95	5.5	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.64	5.5	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0104	ARDL Lab No.:	300439-15 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0810	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.63	5.5	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.54	5.5	ND		UG/KG	1
ETHYLBENZENE	0.78	5.5	ND		UG/KG	1
m & p-XYLENE	1.1	5.5	ND		UG/KG	1
o-XYLENE	0.51	5.5	ND		UG/KG	1
STYRENE	0.67	5.5	ND		UG/KG	1
2-HEXANONE	4.8	22.2	ND		UG/KG	1
BROMOFORM	1.3	5.5	ND		UG/KG	1
ISOPROPYLBENZENE	0.73	5.5	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.5	ND		UG/KG	1
BROMOBENZENE	1	5.5	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.5	ND		UG/KG	1
n-PROPYLBENZENE	0.64	5.5	ND		UG/KG	1
2-CHLOROTOLUENE	0.86	5.5	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.5	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.55	5.5	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.5	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.5	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.5	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.5	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.5	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.5	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.5	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.1	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.5	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.86	5.5	ND		UG/KG	1
NAPHTHALENE	1.9	5.5	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.5	ND		UG/KG	1
ACETONE	9.5	55.4	ND		UG/KG	1
2-BUTANONE	8.7	55.4	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.2	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0117	ARDL Lab No.:	300439-16
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0825	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.9	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.9	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0117	ARDL Lab No.:	300439-16 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0825	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.3	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.8	ND		UG/KG	1
2-BUTANONE	8.8	55.8	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.3	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0129	ARDL Lab No.:	300439-17
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.88	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.78	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.89	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.89	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.98	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.87	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.96	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
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Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0129	ARDL Lab No.:	300439-17 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.78	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.51	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.3	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.87	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.89	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.6	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.78	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.7	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.87	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.6	55.9	ND		UG/KG	1
2-BUTANONE	8.8	55.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.3	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0133	ARDL Lab No.:	300439-18
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.4	11.2	ND		UG/KG	1
CHLOROMETHANE	1.7	11.2	ND		UG/KG	1
VINYL CHLORIDE	1.5	11.2	ND		UG/KG	1
BROMOMETHANE	0.89	11.2	ND		UG/KG	1
CHLOROETHANE	1.7	11.2	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.7	11.2	ND		UG/KG	1
1,1-DICHLOROETHENE	1.5	5.6	ND		UG/KG	1
METHYLENE CHLORIDE	2.8	5.6	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.73	5.6	ND		UG/KG	1
1,1-DICHLOROETHANE	0.73	5.6	ND		UG/KG	1
CARBON DISULFIDE	1.7	5.6	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.6	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.79	5.6	ND		UG/KG	1
BROMOCHLOROMETHANE	0.92	5.6	ND		UG/KG	1
CHLOROFORM	0.9	5.6	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.57	5.6	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.6	ND		UG/KG	1
BENZENE	0.58	5.6	ND		UG/KG	1
1,2-DICHLOROETHANE	0.91	5.6	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.6	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.6	ND		UG/KG	1
BROMODICHLOROMETHANE	0.74	5.6	ND		UG/KG	1
DIBROMOMETHANE	1.1	5.6	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1.1	5.6	ND		UG/KG	1
TOLUENE	0.9	5.6	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.66	5.6	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.91	5.6	ND		UG/KG	1
1,2-DIBROMOETHANE	0.99	5.6	ND		UG/KG	1
TETRACHLOROETHENE	0.88	5.6	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.97	5.6	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.65	5.6	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0133	ARDL Lab No.:	300439-18 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	10.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.64	5.6	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.55	5.6	ND		UG/KG	1
ETHYLBENZENE	0.79	5.6	ND		UG/KG	1
m & p-XYLENE	1.1	5.6	ND		UG/KG	1
o-XYLENE	0.52	5.6	ND		UG/KG	1
STYRENE	0.67	5.6	ND		UG/KG	1
2-HEXANONE	4.8	22.4	ND		UG/KG	1
BROMOFORM	1.3	5.6	ND		UG/KG	1
ISOPROPYLBENZENE	0.74	5.6	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.5	5.6	ND		UG/KG	1
BROMOBENZENE	1.1	5.6	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.6	ND		UG/KG	1
n-PROPYLBENZENE	0.65	5.6	ND		UG/KG	1
2-CHLOROTOLUENE	0.88	5.6	ND		UG/KG	1
4-CHLOROTOLUENE	0.9	5.6	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.56	5.6	ND		UG/KG	1
tert-BUTYLBENZENE	0.61	5.6	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.79	5.6	ND		UG/KG	1
sec-BUTYLBENZENE	0.71	5.6	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.68	5.6	ND		UG/KG	1
1,3-DICHLOROBENZENE	1	5.6	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.6	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.6	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.8	11.2	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.6	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.88	5.6	ND		UG/KG	1
NAPHTHALENE	1.9	5.6	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.5	5.6	ND		UG/KG	1
ACETONE	9.7	56.1	ND		UG/KG	1
2-BUTANONE	8.8	56.1	ND		UG/KG	1
4-METHYL-2-PENTANONE	4	22.4	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0145	ARDL Lab No.:	300439-19
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1010	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.3	10.8	ND		UG/KG	1
CHLOROMETHANE	1.6	10.8	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.8	ND		UG/KG	1
BROMOMETHANE	0.85	10.8	ND		UG/KG	1
CHLOROETHANE	1.6	10.8	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.8	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.4	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.4	ND		UG/KG	1
trans-1,2-DICHLOROETHENE	0.7	5.4	ND		UG/KG	1
1,1-DICHLOROETHANE	0.7	5.4	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.4	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.4	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.76	5.4	ND		UG/KG	1
BROMOCHLOROMETHANE	0.88	5.4	ND		UG/KG	1
CHLOROFORM	0.86	5.4	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.55	5.4	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.4	ND		UG/KG	1
CARBON TETRACHLORIDE	1.1	5.4	ND		UG/KG	1
BENZENE	0.56	5.4	ND		UG/KG	1
1,2-DICHLOROETHANE	0.87	5.4	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.4	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.4	ND		UG/KG	1
BROMODICHLOROMETHANE	0.71	5.4	ND		UG/KG	1
DIBROMOMETHANE	1	5.4	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.4	ND		UG/KG	1
TOLUENE	0.86	5.4	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.64	5.4	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.87	5.4	ND		UG/KG	1
1,2-DIBROMOETHANE	0.95	5.4	ND		UG/KG	1
TETRACHLOROETHENE	0.84	5.4	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.93	5.4	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.63	5.4	ND		UG/KG	1

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0145	ARDL Lab No.:	300439-19 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1010	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.4	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.53	5.4	ND		UG/KG	1
ETHYLBENZENE	0.76	5.4	ND		UG/KG	1
m & p-XYLENE	1.1	5.4	ND		UG/KG	1
o-XYLENE	0.5	5.4	ND		UG/KG	1
STYRENE	0.65	5.4	ND		UG/KG	1
2-HEXANONE	4.6	21.6	ND		UG/KG	1
BROMOFORM	1.3	5.4	ND		UG/KG	1
ISOPROPYLBENZENE	0.71	5.4	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.4	5.4	ND		UG/KG	1
BROMOBENZENE	1	5.4	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.2	5.4	ND		UG/KG	1
n-PROPYLBENZENE	0.63	5.4	ND		UG/KG	1
2-CHLOROTOLUENE	0.84	5.4	ND		UG/KG	1
4-CHLOROTOLUENE	0.86	5.4	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.54	5.4	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.4	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.76	5.4	ND		UG/KG	1
sec-BUTYLBENZENE	0.68	5.4	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.66	5.4	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.99	5.4	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.4	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.4	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.8	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.4	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.84	5.4	ND		UG/KG	1
NAPHTHALENE	1.8	5.4	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.4	ND		UG/KG	1
ACETONE	9.3	53.9	ND		UG/KG	1
2-BUTANONE	8.5	53.9	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.9	21.6	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0159	ARDL Lab No.:	300439-20
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1100	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	6.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
DICHLORODIFLUOROMETHANE	2.2	10.6	ND		UG/KG	1
CHLOROMETHANE	1.6	10.6	ND		UG/KG	1
VINYL CHLORIDE	1.4	10.6	ND		UG/KG	1
BROMOMETHANE	0.84	10.6	ND		UG/KG	1
CHLOROETHANE	1.6	10.6	ND		UG/KG	1
TRICHLOROFLUOROMETHANE	2.6	10.6	ND		UG/KG	1
1,1-DICHLOROETHENE	1.4	5.3	ND		UG/KG	1
METHYLENE CHLORIDE	2.7	5.3	8.5		UG/KG	1
trans-1,2-DICHLOROETHENE	0.69	5.3	ND		UG/KG	1
1,1-DICHLOROETHANE	0.69	5.3	ND		UG/KG	1
CARBON DISULFIDE	1.6	5.3	ND		UG/KG	1
2,2-DICHLOROPROPANE	1.3	5.3	ND		UG/KG	1
cis-1,2-DICHLOROETHENE	0.75	5.3	ND		UG/KG	1
BROMOCHLOROMETHANE	0.87	5.3	ND		UG/KG	1
CHLOROFORM	0.85	5.3	ND		UG/KG	1
1,1,1-TRICHLOROETHANE	0.54	5.3	ND		UG/KG	1
1,1-DICHLOROPROPENE	1.1	5.3	ND		UG/KG	1
CARBON TETRACHLORIDE	1	5.3	ND		UG/KG	1
BENZENE	0.55	5.3	ND		UG/KG	1
1,2-DICHLOROETHANE	0.86	5.3	ND		UG/KG	1
TRICHLOROETHENE	1.2	5.3	ND		UG/KG	1
1,2-DICHLOROPROPANE	1.2	5.3	ND		UG/KG	1
BROMODICHLOROMETHANE	0.7	5.3	ND		UG/KG	1
DIBROMOMETHANE	1	5.3	ND		UG/KG	1
cis-1,3-DICHLOROPROPENE	1	5.3	ND		UG/KG	1
TOLUENE	0.85	5.3	ND		UG/KG	1
trans-1,3-DICHLOROPROPENE	0.63	5.3	ND		UG/KG	1
1,1,2-TRICHLOROETHANE	0.86	5.3	ND		UG/KG	1
1,2-DIBROMOETHANE	0.94	5.3	ND		UG/KG	1
TETRACHLOROETHENE	0.83	5.3	ND		UG/KG	1
1,3-DICHLOROPROPANE	0.92	5.3	ND		UG/KG	1
DIBROMOCHLOROMETHANE	0.62	5.3	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: VOLATILES, GC/MS (8260)
Project No.: Analytical Method: 8260A
Prep Method: 5030A

Field ID:	CANFTA4-SB19-0159	ARDL Lab No.:	300439-20 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1100	Prep. Date:	03/07/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	5 g	QC Batch:	0313LS5
% Moisture:	6.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
CHLOROBENZENE	0.61	5.3	ND		UG/KG	1
1,1,1,2-TETRACHLOROETHANE	0.52	5.3	ND		UG/KG	1
ETHYLBENZENE	0.75	5.3	ND		UG/KG	1
m & p-XYLENE	1.1	5.3	ND		UG/KG	1
o-XYLENE	0.49	5.3	ND		UG/KG	1
STYRENE	0.64	5.3	ND		UG/KG	1
2-HEXANONE	4.6	21.3	ND		UG/KG	1
BROMOFORM	1.3	5.3	ND		UG/KG	1
ISOPROPYLBENZENE	0.7	5.3	ND		UG/KG	1
1,1,2,2-TETRACHLOROETHANE	2.3	5.3	ND		UG/KG	1
BROMOBENZENE	1.0	5.3	ND		UG/KG	1
1,2,3-TRICHLOROPROPANE	2.1	5.3	ND		UG/KG	1
n-PROPYLBENZENE	0.62	5.3	ND		UG/KG	1
2-CHLOROTOLUENE	0.83	5.3	ND		UG/KG	1
4-CHLOROTOLUENE	0.85	5.3	ND		UG/KG	1
1,3,5-TRIMETHYLBENZENE	0.53	5.3	ND		UG/KG	1
tert-BUTYLBENZENE	0.58	5.3	ND		UG/KG	1
1,2,4-TRIMETHYLBENZENE	0.75	5.3	ND		UG/KG	1
sec-BUTYLBENZENE	0.67	5.3	ND		UG/KG	1
p-ISOPROPYLTOLUENE	0.65	5.3	ND		UG/KG	1
1,3-DICHLOROBENZENE	0.98	5.3	ND		UG/KG	1
1,4-DICHLOROBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DICHLOROBENZENE	1.3	5.3	ND		UG/KG	1
n-BUTYLBENZENE	1.1	5.3	ND		UG/KG	1
1,2-DIBROMO-3-CHLOROPROPANE	2.7	10.6	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	1.2	5.3	ND		UG/KG	1
HEXACHLOROBUTADIENE	0.83	5.3	ND		UG/KG	1
NAPHTHALENE	1.8	5.3	ND		UG/KG	1
1,2,3-TRICHLOROBENZENE	1.4	5.3	ND		UG/KG	1
ACETONE	9.2	53.2	ND		UG/KG	1
2-BUTANONE	8.4	53.2	ND		UG/KG	1
4-METHYL-2-PENTANONE	3.8	21.3	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0103	ARDL Lab No.:	300427-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1632	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	95.3	732	ND		UG/KG	2
BIS(-2-CHLOROETHYL)ETHER	90.9	732	ND		UG/KG	2
2-CHLOROPHENOL	93.1	732	ND		UG/KG	2
1,3-DICHLOROBENZENE	99.8	732	ND		UG/KG	2
1,4-DICHLOROBENZENE	93.1	732	ND		UG/KG	2
BENZYL ALCOHOL	88.7	732	ND		UG/KG	2
1,2-DICHLOROBENZENE	122	732	ND		UG/KG	2
2-METHYLPHENOL	99.8	732	ND		UG/KG	2
BIS(2-CHLOROISOPROPYL)ETHER	109	732	ND		UG/KG	2
4-METHYLPHENOL	95.3	732	ND		UG/KG	2
N-NITROSO-DI-N-PROPYLAMINE	102	732	ND		UG/KG	2
HEXACHLOROETHANE	109	732	ND		UG/KG	2
NITROBENZENE	77.6	732	ND		UG/KG	2
ISOPHORONE	62.1	732	ND		UG/KG	2
2-NITROPHENOL	86.5	732	ND		UG/KG	2
2,4-DIMETHYLPHENOL	73.2	732	ND		UG/KG	2
BENZOIC ACID	182	732	ND		UG/KG	2
BIS(-2-CHLOROETHOXY)METHANE	84.3	732	ND		UG/KG	2
2,4-DICHLOROPHENOL	97.6	732	ND		UG/KG	2
1,2,4-TRICHLOROBENZENE	84.3	732	ND		UG/KG	2
NAPHTHALENE	84.3	732	2200		UG/KG	2
4-CHLOROANILINE	306	732	ND		UG/KG	2
HEXACHLOROBUTADIENE	90.9	732	ND		UG/KG	2
4-CHLORO-3-METHYLPHENOL	79.8	732	ND		UG/KG	2
2-METHYLNAPHTHALENE	79.8	732	4860		UG/KG	2
HEXACHLOROCYCLOPENTADIENE	75.4	732	ND		UG/KG	2
2,4,6-TRICHLOROPHENOL	73.2	732	ND		UG/KG	2
2,4,5-TRICHLOROPHENOL	82.0	732	ND		UG/KG	2
2-CHLORONAPHTHALENE	77.6	732	ND		UG/KG	2
2-NITROANILINE	57.6	732	ND		UG/KG	2
DIMETHYL PHTHALATE	68.7	732	ND		UG/KG	2
ACENAPHTHYLENE	86.5	732	ND		UG/KG	2

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Lab Report No: 300427 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0103	ARDL Lab No.:	300427-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1632	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	71.0	732	ND		UG/KG	2
3-NITROANILINE	173	732	ND		UG/KG	2
ACENAPHTHENE	71.0	732	ND		UG/KG	2
2,4-DINITROPHENOL	66.5	732	ND		UG/KG	2
4-NITROPHENOL	104	732	ND		UG/KG	2
DIBENZOFURAN	75.4	732	143	J	UG/KG	2
2,4-DINITROTOLUENE	66.5	732	ND		UG/KG	2
DIETHYLPHTHALATE	79.8	732	ND		UG/KG	2
4-CHLOROPHENYL-PHENYLETHER	75.4	732	ND		UG/KG	2
FLUORENE	77.6	732	88.6	J	UG/KG	2
4-NITROANILINE	131	732	ND		UG/KG	2
4,6-DINITRO-2-METHYLPHENOL	102	732	ND		UG/KG	2
N-NITROSODIPHENYLAMINE	86.5	732	ND		UG/KG	2
4-BROMOPHENYL-PHENYLETHER	77.6	732	ND		UG/KG	2
PHENANTHRENE	66.5	732	138	J	UG/KG	2
HEXACHLOROBENZENE	68.7	732	ND		UG/KG	2
PENTACHLOROPHENOL	124	732	ND		UG/KG	2
ANTHRACENE	64.3	732	ND		UG/KG	2
DI-N-BUTYLPHTHALATE	48.8	732	ND		UG/KG	2
FLUORANTHENE	62.1	732	175	J	UG/KG	2
PYRENE	62.1	732	173	J	UG/KG	2
BUTYLBENZYLPHTHALATE	66.5	732	ND		UG/KG	2
3,3'-DICHLOROBENZIDINE	523	732	ND		UG/KG	2
BENZO(a)ANTHRACENE	53.2	732	59.9	J	UG/KG	2
CHRYSENE	55.4	732	66.0	J	UG/KG	2
BIS(2-ETHYLHEXYL)PHTHALATE	68.7	732	ND		UG/KG	2
DI-N-OCTYL PHTHALATE	62.1	732	ND		UG/KG	2
BENZO(b)FLUORANTHENE	118	732	ND		UG/KG	2
BENZO(k)FLUORANTHENE	146	732	ND		UG/KG	2
BENZO(a)PYRENE	64.3	732	ND		UG/KG	2
INDENO(1,2,3-cd)PYRENE	73.2	732	ND		UG/KG	2
DIBENZO(a,h)ANTHRACENE	68.7	732	ND		UG/KG	2

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0119	ARDL Lab No.:	300427-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1708	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	247	1890	ND		UG/KG	5
BIS(-2-CHLOROETHYL)ETHER	235	1890	ND		UG/KG	5
2-CHLOROPHENOL	241	1890	ND		UG/KG	5
1,3-DICHLOROBENZENE	258	1890	ND		UG/KG	5
1,4-DICHLOROBENZENE	241	1890	ND		UG/KG	5
BENZYL ALCOHOL	229	1890	ND		UG/KG	5
1,2-DICHLOROBENZENE	315	1890	ND		UG/KG	5
2-METHYLPHENOL	258	1890	ND		UG/KG	5
BIS(2-CHLOROISOPROPYL)ETHER	281	1890	ND		UG/KG	5
4-METHYLPHENOL	247	1890	711	J	UG/KG	5
N-NITROSO-DI-N-PROPYLAMINE	264	1890	ND		UG/KG	5
HEXACHLOROETHANE	281	1890	ND		UG/KG	5
NITROBENZENE	201	1890	ND		UG/KG	5
ISOPHORONE	161	1890	ND		UG/KG	5
2-NITROPHENOL	224	1890	ND		UG/KG	5
2,4-DIMETHYLPHENOL	189	1890	ND		UG/KG	5
BENZOIC ACID	470	1890	ND		UG/KG	5
BIS(-2-CHLOROETHOXY)METHANE	218	1890	ND		UG/KG	5
2,4-DICHLOROPHENOL	252	1890	ND		UG/KG	5
1,2,4-TRICHLOROBENZENE	218	1890	ND		UG/KG	5
NAPHTHALENE	218	1890	3800		UG/KG	5
4-CHLOROANILINE	791	1890	ND		UG/KG	5
HEXACHLOROBUTADIENE	235	1890	ND		UG/KG	5
4-CHLORO-3-METHYLPHENOL	206	1890	ND		UG/KG	5
2-METHYLNAPHTHALENE	206	1890	11700		UG/KG	5
HEXACHLOROCYCLOPENTADIENE	195	1890	ND		UG/KG	5
2,4,6-TRICHLOROPHENOL	189	1890	ND		UG/KG	5
2,4,5-TRICHLOROPHENOL	212	1890	ND		UG/KG	5
2-CHLORONAPHTHALENE	201	1890	ND		UG/KG	5
2-NITROANILINE	149	1890	ND		UG/KG	5
DIMETHYL PHTHALATE	178	1890	ND		UG/KG	5
ACENAPHTHYLENE	224	1890	ND		UG/KG	5

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0119	ARDL Lab No.:	300427-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1708	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	183	1890	ND		UG/KG	5
3-NITROANILINE	447	1890	ND		UG/KG	5
ACENAPHTHENE	183	1890	ND		UG/KG	5
2,4-DINITROPHENOL	172	1890	ND		UG/KG	5
4-NITROPHENOL	269	1890	ND		UG/KG	5
DIBENZOFURAN	195	1890	366	J	UG/KG	5
2,4-DINITROTOLUENE	172	1890	ND		UG/KG	5
DIETHYLPHTHALATE	206	1890	ND		UG/KG	5
4-CHLOROPHENYL-PHENYLETHER	195	1890	ND		UG/KG	5
FLUORENE	201	1890	238	J	UG/KG	5
4-NITROANILINE	338	1890	ND		UG/KG	5
4,6-DINITRO-2-METHYLPHENOL	264	1890	ND		UG/KG	5
N-NITROSODIPHENYLAMINE	224	1890	ND		UG/KG	5
4-BROMOPHENYL-PHENYLETHER	201	1890	ND		UG/KG	5
PHENANTHRENE	172	1890	ND		UG/KG	5
HEXACHLOROBENZENE	178	1890	ND		UG/KG	5
PENTACHLOROPHENOL	321	1890	ND		UG/KG	5
ANTHRACENE	166	1890	ND		UG/KG	5
DI-N-BUTYLPHTHALATE	126	1890	ND		UG/KG	5
FLUORANTHENE	161	1890	ND		UG/KG	5
PYRENE	161	1890	ND		UG/KG	5
BUTYLBENZYLPHTHALATE	172	1890	ND		UG/KG	5
3,3'-DICHLOROBENZIDINE	1350	1890	ND		UG/KG	5
BENZO(a)ANTHRACENE	138	1890	ND		UG/KG	5
CHRYSENE	143	1890	ND		UG/KG	5
BIS(2-ETHYLHEXYL)PHTHALATE	178	1890	274	J	UG/KG	5
DI-N-OCTYL PHTHALATE	161	1890	ND		UG/KG	5
BENZO(b)FLUORANTHENE	304	1890	ND		UG/KG	5
BENZO(k)FLUORANTHENE	378	1890	ND		UG/KG	5
BENZO(a)PYRENE	166	1890	ND		UG/KG	5
INDENO(1,2,3-cd)PYRENE	189	1890	ND		UG/KG	5
DIBENZO(a,h)ANTHRACENE	178	1890	ND		UG/KG	5

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0127	ARDL Lab No.:	300427-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1810	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.6	365	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.4	365	ND		UG/KG	1
2-CHLOROPHENOL	46.5	365	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.8	365	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.5	365	ND		UG/KG	1
BENZYL ALCOHOL	44.3	365	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.9	365	ND		UG/KG	1
2-METHYLPHENOL	49.8	365	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	54.3	365	ND		UG/KG	1
4-METHYLPHENOL	47.6	365	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.9	365	ND		UG/KG	1
HEXACHLOROETHANE	54.3	365	ND		UG/KG	1
NITROBENZENE	38.8	365	ND		UG/KG	1
ISOPHORONE	31.0	365	ND		UG/KG	1
2-NITROPHENOL	43.2	365	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.5	365	ND		UG/KG	1
BENZOIC ACID	90.8	365	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.1	365	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.7	365	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.1	365	ND		UG/KG	1
NAPHTHALENE	42.1	365	586		UG/KG	1
4-CHLOROANILINE	153	365	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.4	365	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.9	365	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.9	365	3500		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.7	365	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.5	365	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.0	365	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.8	365	ND		UG/KG	1
2-NITROANILINE	28.8	365	ND		UG/KG	1
DIMETHYL PHTHALATE	34.3	365	ND		UG/KG	1
ACENAPHTHYLENE	43.2	365	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0127	ARDL Lab No.:	300427-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/19/1997	Received Date:	02/22/1997
Sample Time:	1810	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.4	365	ND		UG/KG	1
3-NITROANILINE	86.4	365	ND		UG/KG	1
ACENAPHTHENE	35.4	365	ND		UG/KG	1
2,4-DINITROPHENOL	33.2	365	ND		UG/KG	1
4-NITROPHENOL	52.0	365	ND		UG/KG	1
DIBENZOFURAN	37.7	365	ND		UG/KG	1
2,4-DINITROTOLUENE	33.2	365	ND		UG/KG	1
DIETHYLPHTHALATE	39.9	365	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.7	365	ND		UG/KG	1
FLUORENE	38.8	365	ND		UG/KG	1
4-NITROANILINE	65.3	365	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.9	365	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.2	365	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.8	365	ND		UG/KG	1
PHENANTHRENE	33.2	365	ND		UG/KG	1
HEXACHLOROBENZENE	34.3	365	ND		UG/KG	1
PENTACHLOROPHENOL	62.0	365	ND		UG/KG	1
ANTHRACENE	32.1	365	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.4	365	ND		UG/KG	1
FLUORANTHENE	31.0	365	ND		UG/KG	1
PYRENE	31.0	365	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.2	365	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	261	365	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.6	365	ND		UG/KG	1
CHRYSENE	27.7	365	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.3	365	57.6	J	UG/KG	1
DI-N-OCTYL PHTHALATE	31.0	365	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.7	365	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.1	365	ND		UG/KG	1
BENZO(a)PYRENE	32.1	365	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.5	365	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.3	365	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0138	ARDL Lab No.:	300427-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0835	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.3	363	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.1	363	ND		UG/KG	1
2-CHLOROPHENOL	46.2	363	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.5	363	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.2	363	ND		UG/KG	1
BENZYL ALCOHOL	44.0	363	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.4	363	ND		UG/KG	1
2-METHYLPHENOL	49.5	363	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	53.8	363	ND		UG/KG	1
4-METHYLPHENOL	47.3	363	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.5	363	ND		UG/KG	1
HEXACHLOROETHANE	53.8	363	ND		UG/KG	1
NITROBENZENE	38.5	363	ND		UG/KG	1
ISOPHORONE	30.8	363	ND		UG/KG	1
2-NITROPHENOL	42.9	363	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.3	363	ND		UG/KG	1
BENZOIC ACID	90.1	363	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.8	363	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.4	363	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.8	363	ND		UG/KG	1
NAPHTHALENE	41.8	363	2400		UG/KG	1
4-CHLOROANILINE	152	363	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.1	363	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.6	363	ND		UG/KG	1
2-METHYLNAPHTHALENE	198	1810	9650		UG/KG	5
HEXACHLOROCYCLOPENTADIENE	37.4	363	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.3	363	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.7	363	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.5	363	ND		UG/KG	1
2-NITROANILINE	28.6	363	ND		UG/KG	1
DIMETHYL PHTHALATE	34.1	363	ND		UG/KG	1
ACENAPHTHYLENE	42.9	363	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0138	ARDL Lab No.:	300427-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0835	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.2	363	ND		UG/KG	1
3-NITROANILINE	85.7	363	ND		UG/KG	1
ACENAPHTHENE	35.2	363	ND		UG/KG	1
2,4-DINITROPHENOL	33.0	363	ND		UG/KG	1
4-NITROPHENOL	51.6	363	ND		UG/KG	1
DIBENZOFURAN	37.4	363	ND		UG/KG	1
2,4-DINITROTOLUENE	33.0	363	ND		UG/KG	1
DIETHYLPHTHALATE	39.6	363	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.4	363	ND		UG/KG	1
FLUORENE	38.5	363	ND		UG/KG	1
4-NITROANILINE	64.8	363	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.5	363	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.9	363	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.5	363	ND		UG/KG	1
PHENANTHRENE	33.0	363	ND		UG/KG	1
HEXACHLOROBENZENE	34.1	363	ND		UG/KG	1
PENTACHLOROPHENOL	61.5	363	ND		UG/KG	1
ANTHRACENE	31.9	363	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.2	363	ND		UG/KG	1
FLUORANTHENE	30.8	363	ND		UG/KG	1
PYRENE	30.8	363	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.0	363	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	259	363	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.4	363	ND		UG/KG	1
CHRYSENE	27.5	363	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.1	363	56.8	J	UG/KG	1
DI-N-OCTYL PHTHALATE	30.8	363	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.2	363	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.5	363	ND		UG/KG	1
BENZO(a)PYRENE	31.9	363	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.3	363	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.1	363	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0142	ARDL Lab No.:	300427-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0920	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.9	375	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.6	375	ND		UG/KG	1
2-CHLOROPHENOL	47.8	375	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.2	375	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.8	375	ND		UG/KG	1
BENZYL ALCOHOL	45.5	375	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.6	375	ND		UG/KG	1
2-METHYLPHENOL	51.2	375	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	55.7	375	ND		UG/KG	1
4-METHYLPHENOL	48.9	375	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.3	375	ND		UG/KG	1
HEXACHLOROETHANE	55.7	375	ND		UG/KG	1
NITROBENZENE	39.8	375	ND		UG/KG	1
ISOPHORONE	31.9	375	ND		UG/KG	1
2-NITROPHENOL	44.4	375	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.5	375	ND		UG/KG	1
BENZOIC ACID	93.3	375	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.2	375	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.1	375	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.2	375	ND		UG/KG	1
NAPHTHALENE	43.2	375	2390		UG/KG	1
4-CHLOROANILINE	157	375	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.6	375	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.0	375	ND		UG/KG	1
2-METHYLNAPHTHALENE	205	1880	8610		UG/KG	5
HEXACHLOROCYCLOPENTADIENE	38.7	375	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.5	375	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.1	375	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.8	375	ND		UG/KG	1
2-NITROANILINE	29.6	375	ND		UG/KG	1
DIMETHYL PHTHALATE	35.3	375	ND		UG/KG	1
ACENAPHTHYLENE	44.4	375	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0142	ARDL Lab No.:	300427-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	0920	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.4	375	ND		UG/KG	1
3-NITROANILINE	88.7	375	ND		UG/KG	1
ACENAPHTHENE	36.4	375	ND		UG/KG	1
2,4-DINITROPHENOL	34.1	375	ND		UG/KG	1
4-NITROPHENOL	53.5	375	ND		UG/KG	1
DIBENZOFURAN	38.7	375	ND		UG/KG	1
2,4-DINITROTOLUENE	34.1	375	ND		UG/KG	1
DIETHYLPHTHALATE	41.0	375	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.7	375	ND		UG/KG	1
FLUORENE	39.8	375	ND		UG/KG	1
4-NITROANILINE	67.1	375	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.3	375	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.4	375	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.8	375	ND		UG/KG	1
PHENANTHRENE	34.1	375	ND		UG/KG	1
HEXACHLOROBENZENE	35.3	375	ND		UG/KG	1
PENTACHLOROPHENOL	63.7	375	ND		UG/KG	1
ANTHRACENE	33.0	375	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.0	375	ND		UG/KG	1
FLUORANTHENE	31.9	375	ND		UG/KG	1
PYRENE	31.9	375	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.1	375	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	268	375	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.3	375	ND		UG/KG	1
CHRYSENE	28.4	375	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.3	375	80.1	J	UG/KG	1
DI-N-OCTYL PHTHALATE	31.9	375	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.3	375	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.1	375	ND		UG/KG	1
BENZO(a)PYRENE	33.0	375	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.5	375	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.3	375	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0155	ARDL Lab No.:	300427-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1105	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.3	378	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.0	378	ND		UG/KG	1
2-CHLOROPHENOL	48.1	378	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.5	378	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.1	378	ND		UG/KG	1
BENZYL ALCOHOL	45.8	378	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.0	378	ND		UG/KG	1
2-METHYLPHENOL	51.5	378	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	56.1	378	ND		UG/KG	1
4-METHYLPHENOL	49.3	378	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.7	378	ND		UG/KG	1
HEXACHLOROETHANE	56.1	378	ND		UG/KG	1
NITROBENZENE	40.1	378	ND		UG/KG	1
ISOPHORONE	32.1	378	ND		UG/KG	1
2-NITROPHENOL	44.7	378	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.8	378	ND		UG/KG	1
BENZOIC ACID	93.9	378	214	J	UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.5	378	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.4	378	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.5	378	ND		UG/KG	1
NAPHTHALENE	43.5	378	ND		UG/KG	1
4-CHLOROANILINE	158	378	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.0	378	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.2	378	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.2	378	104	J	UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.9	378	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.8	378	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.4	378	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.1	378	ND		UG/KG	1
2-NITROANILINE	29.8	378	ND		UG/KG	1
DIMETHYL PHTHALATE	35.5	378	ND		UG/KG	1
ACENAPHTHYLENE	44.7	378	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0155	ARDL Lab No.:	300427-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1105	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.7	378	ND		UG/KG	1
3-NITROANILINE	89.3	378	ND		UG/KG	1
ACENAPHTHENE	36.7	378	ND		UG/KG	1
2,4-DINITROPHENOL	34.4	378	ND		UG/KG	1
4-NITROPHENOL	53.8	378	ND		UG/KG	1
DIBENZOFURAN	38.9	378	ND		UG/KG	1
2,4-DINITROTOLUENE	34.4	378	ND		UG/KG	1
DIETHYLPHTHALATE	41.2	378	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.9	378	ND		UG/KG	1
FLUORENE	40.1	378	ND		UG/KG	1
4-NITROANILINE	67.6	378	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.7	378	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.7	378	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.1	378	ND		UG/KG	1
PHENANTHRENE	34.4	378	ND		UG/KG	1
HEXACHLOROBENZENE	35.5	378	ND		UG/KG	1
PENTACHLOROPHENOL	64.1	378	ND		UG/KG	1
ANTHRACENE	33.2	378	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.2	378	ND		UG/KG	1
FLUORANTHENE	32.1	378	ND		UG/KG	1
PYRENE	32.1	378	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.4	378	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	270	378	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.5	378	ND		UG/KG	1
CHRYSENE	28.6	378	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.5	378	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.1	378	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.7	378	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.6	378	ND		UG/KG	1
BENZO(a)PYRENE	33.2	378	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.8	378	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.5	378	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0165	ARDL Lab No.:	300427-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1230	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	15	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	50.6	388	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	48.2	388	ND		UG/KG	1
2-CHLOROPHENOL	49.4	388	ND		UG/KG	1
1,3-DICHLOROBENZENE	52.9	388	ND		UG/KG	1
1,4-DICHLOROBENZENE	49.4	388	ND		UG/KG	1
BENZYL ALCOHOL	47.1	388	ND		UG/KG	1
1,2-DICHLOROBENZENE	64.7	388	ND		UG/KG	1
2-METHYLPHENOL	52.9	388	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	57.6	388	ND		UG/KG	1
4-METHYLPHENOL	50.6	388	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	54.1	388	ND		UG/KG	1
HEXACHLOROETHANE	57.6	388	ND		UG/KG	1
NITROBENZENE	41.2	388	ND		UG/KG	1
ISOPHORONE	32.9	388	ND		UG/KG	1
2-NITROPHENOL	45.9	388	ND		UG/KG	1
2,4-DIMETHYLPHENOL	38.8	388	ND		UG/KG	1
BENZOIC ACID	96.5	388	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	44.7	388	ND		UG/KG	1
2,4-DICHLOROPHENOL	51.8	388	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	44.7	388	ND		UG/KG	1
NAPHTHALENE	44.7	388	ND		UG/KG	1
4-CHLOROANILINE	162	388	ND		UG/KG	1
HEXACHLOROBUTADIENE	48.2	388	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	42.4	388	ND		UG/KG	1
2-METHYLNAPHTHALENE	42.4	388	139	J	UG/KG	1
HEXACHLOROCYCLOPENTADIENE	40.0	388	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	38.8	388	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	43.5	388	ND		UG/KG	1
2-CHLORONAPHTHALENE	41.2	388	ND		UG/KG	1
2-NITROANILINE	30.6	388	ND		UG/KG	1
DIMETHYL PHTHALATE	36.5	388	ND		UG/KG	1
ACENAPHTHYLENE	45.9	388	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0165	ARDL Lab No.:	300427-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1230	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	15	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	37.6	388	ND		UG/KG	1
3-NITROANILINE	91.8	388	ND		UG/KG	1
ACENAPHTHENE	37.6	388	ND		UG/KG	1
2,4-DINITROPHENOL	35.3	388	ND		UG/KG	1
4-NITROPHENOL	55.3	388	ND		UG/KG	1
DIBENZOFURAN	40.0	388	ND		UG/KG	1
2,4-DINITROTOLUENE	35.3	388	ND		UG/KG	1
DIETHYLPHTHALATE	42.4	388	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	40.0	388	ND		UG/KG	1
FLUORENE	41.2	388	ND		UG/KG	1
4-NITROANILINE	69.4	388	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	54.1	388	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	45.9	388	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	41.2	388	ND		UG/KG	1
PHENANTHRENE	35.3	388	ND		UG/KG	1
HEXACHLOROBENZENE	36.5	388	ND		UG/KG	1
PENTACHLOROPHENOL	65.9	388	ND		UG/KG	1
ANTHRACENE	34.1	388	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.9	388	604		UG/KG	1
FLUORANTHENE	32.9	388	ND		UG/KG	1
PYRENE	32.9	388	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	35.3	388	41.5	J	UG/KG	1
3,3'-DICHLOROBENZIDINE	278	388	ND		UG/KG	1
BENZO(a)ANTHRACENE	28.2	388	ND		UG/KG	1
CHRYSENE	29.4	388	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	36.5	388	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.9	388	ND		UG/KG	1
BENZO(b)FLUORANTHENE	62.4	388	ND		UG/KG	1
BENZO(k)FLUORANTHENE	77.6	388	ND		UG/KG	1
BENZO(a)PYRENE	34.1	388	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	38.8	388	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	36.5	388	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0173	ARDL Lab No.:	300427-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1300	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.1	354	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.0	354	ND		UG/KG	1
2-CHLOROPHENOL	45.1	354	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.3	354	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.1	354	ND		UG/KG	1
BENZYL ALCOHOL	42.9	354	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.0	354	ND		UG/KG	1
2-METHYLPHENOL	48.3	354	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	52.6	354	ND		UG/KG	1
4-METHYLPHENOL	46.1	354	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.4	354	ND		UG/KG	1
HEXACHLOROETHANE	52.6	354	ND		UG/KG	1
NITROBENZENE	37.6	354	ND		UG/KG	1
ISOPHORONE	30.0	354	ND		UG/KG	1
2-NITROPHENOL	41.8	354	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.4	354	ND		UG/KG	1
BENZOIC ACID	88.0	354	205	J	UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.8	354	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.2	354	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.8	354	ND		UG/KG	1
NAPHTHALENE	40.8	354	ND		UG/KG	1
4-CHLOROANILINE	148	354	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.0	354	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.6	354	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.6	354	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.5	354	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.4	354	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.7	354	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.6	354	ND		UG/KG	1
2-NITROANILINE	27.9	354	ND		UG/KG	1
DIMETHYL PHTHALATE	33.3	354	ND		UG/KG	1
ACENAPHTHYLENE	41.8	354	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0173	ARDL Lab No.:	300427-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1300	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.3	354	ND		UG/KG	1
3-NITROANILINE	83.7	354	ND		UG/KG	1
ACENAPHTHENE	34.3	354	ND		UG/KG	1
2,4-DINITROPHENOL	32.2	354	ND		UG/KG	1
4-NITROPHENOL	50.4	354	ND		UG/KG	1
DIBENZOFURAN	36.5	354	ND		UG/KG	1
2,4-DINITROTOLUENE	32.2	354	ND		UG/KG	1
DIETHYLPHTHALATE	38.6	354	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.5	354	ND		UG/KG	1
FLUORENE	37.6	354	ND		UG/KG	1
4-NITROANILINE	63.3	354	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.4	354	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.8	354	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.6	354	ND		UG/KG	1
PHENANTHRENE	32.2	354	ND		UG/KG	1
HEXACHLOROBENZENE	33.3	354	ND		UG/KG	1
PENTACHLOROPHENOL	60.1	354	ND		UG/KG	1
ANTHRACENE	31.1	354	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.6	354	164	J	UG/KG	1
FLUORANTHENE	30.0	354	ND		UG/KG	1
PYRENE	30.0	354	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.2	354	73.5	J	UG/KG	1
3,3'-DICHLOROBENZIDINE	253	354	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.8	354	ND		UG/KG	1
CHRYSENE	26.8	354	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.3	354	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.0	354	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.9	354	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.8	354	ND		UG/KG	1
BENZO(a)PYRENE	31.1	354	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.4	354	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.3	354	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0180	ARDL Lab No.:	300427-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1420	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.4	363	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.2	363	ND		UG/KG	1
2-CHLOROPHENOL	46.3	363	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.6	363	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.3	363	ND		UG/KG	1
BENZYL ALCOHOL	44.1	363	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.6	363	ND		UG/KG	1
2-METHYLPHENOL	49.6	363	ND		UG/KG	1
BIS(2-CHLOROISOPROPYL)ETHER	54.0	363	ND		UG/KG	1
4-METHYLPHENOL	47.4	363	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.7	363	ND		UG/KG	1
HEXACHLOROETHANE	54.0	363	ND		UG/KG	1
NITROBENZENE	38.5	363	ND		UG/KG	1
ISOPHORONE	30.8	363	ND		UG/KG	1
2-NITROPHENOL	43.0	363	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.3	363	ND		UG/KG	1
BENZOIC ACID	90.3	363	193	J	UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.9	363	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.5	363	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.9	363	ND		UG/KG	1
NAPHTHALENE	41.9	363	ND		UG/KG	1
4-CHLOROANILINE	152	363	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.2	363	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.6	363	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.6	363	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.4	363	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.3	363	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.7	363	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.5	363	ND		UG/KG	1
2-NITROANILINE	28.6	363	ND		UG/KG	1
DIMETHYL PHTHALATE	34.1	363	ND		UG/KG	1
ACENAPHTHYLENE	43.0	363	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/07/1997

Project Name: CANNON AFB FIRE TRAI Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	SB01-0180	ARDL Lab No.:	300427-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/22/1997
Sample Time:	1420	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2045
% Moisture:	9.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.2	363	ND		UG/KG	1
3-NITROANILINE	85.9	363	ND		UG/KG	1
ACENAPHTHENE	35.2	363	ND		UG/KG	1
2,4-DINITROPHENOL	33.0	363	ND		UG/KG	1
4-NITROPHENOL	51.8	363	ND		UG/KG	1
DIBENZOFURAN	37.4	363	ND		UG/KG	1
2,4-DINITROTOLUENE	33.0	363	ND		UG/KG	1
DIETHYLPHTHALATE	39.6	363	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.4	363	ND		UG/KG	1
FLUORENE	38.5	363	ND		UG/KG	1
4-NITROANILINE	65.0	363	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.7	363	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.0	363	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.5	363	ND		UG/KG	1
PHENANTHRENE	33.0	363	ND		UG/KG	1
HEXACHLOROBENZENE	34.1	363	ND		UG/KG	1
PENTACHLOROPHENOL	61.7	363	ND		UG/KG	1
ANTHRACENE	31.9	363	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.2	363	466		UG/KG	1
FLUORANTHENE	30.8	363	ND		UG/KG	1
PYRENE	30.8	363	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.0	363	57.7	J	UG/KG	1
3,3'-DICHLOROBENZIDINE	260	363	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.4	363	ND		UG/KG	1
CHRYSENE	27.5	363	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.1	363	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.8	363	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.4	363	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.7	363	ND		UG/KG	1
BENZO(a)PYRENE	31.9	363	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.3	363	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.1	363	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0101	ARDL Lab No.:	300433-04
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0915	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	14.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	50.2	385	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.8	385	ND		UG/KG	1
2-CHLOROPHENOL	49.0	385	ND		UG/KG	1
1,3-DICHLOROBENZENE	52.5	385	ND		UG/KG	1
1,4-DICHLOROBENZENE	49.0	385	ND		UG/KG	1
BENZYL ALCOHOL	46.7	385	ND		UG/KG	1
1,2-DICHLOROBENZENE	64.2	385	ND		UG/KG	1
2-METHYLPHENOL	52.5	385	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	57.2	385	ND		UG/KG	1
4-METHYLPHENOL	50.2	385	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	53.7	385	ND		UG/KG	1
HEXACHLOROETHANE	57.2	385	ND		UG/KG	1
NITROBENZENE	40.8	385	ND		UG/KG	1
ISOPHORONE	32.7	385	ND		UG/KG	1
2-NITROPHENOL	45.5	385	ND		UG/KG	1
2,4-DIMETHYLPHENOL	38.5	385	ND		UG/KG	1
BENZOIC ACID	95.7	385	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	44.3	385	ND		UG/KG	1
2,4-DICHLOROPHENOL	51.3	385	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	44.3	385	ND		UG/KG	1
NAPHTHALENE	44.3	385	ND		UG/KG	1
4-CHLOROANILINE	161	385	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.8	385	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	42.0	385	ND		UG/KG	1
2-METHYLNAPHTHALENE	42.0	385	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	39.7	385	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	38.5	385	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	43.2	385	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.8	385	ND		UG/KG	1
2-NITROANILINE	30.3	385	ND		UG/KG	1
DIMETHYL PHTHALATE	36.2	385	ND		UG/KG	1
ACENAPHTHYLENE	45.5	385	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0101	ARDL Lab No.:	300433-04 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0915	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	14.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	37.3	385	ND		UG/KG	1
3-NITROANILINE	91.0	385	ND		UG/KG	1
ACENAPHTHENE	37.3	385	ND		UG/KG	1
2,4-DINITROPHENOL	35.0	385	ND		UG/KG	1
4-NITROPHENOL	54.8	385	ND		UG/KG	1
DIBENZOFURAN	39.7	385	ND		UG/KG	1
2,4-DINITROTOLUENE	35.0	385	ND		UG/KG	1
DIETHYLPHTHALATE	42.0	385	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	39.7	385	ND		UG/KG	1
FLUORENE	40.8	385	ND		UG/KG	1
4-NITROANILINE	68.8	385	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	53.7	385	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	45.5	385	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.8	385	ND		UG/KG	1
PHENANTHRENE	35.0	385	ND		UG/KG	1
HEXACHLOROBENZENE	36.2	385	ND		UG/KG	1
PENTACHLOROPHENOL	65.3	385	ND		UG/KG	1
ANTHRACENE	33.8	385	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.7	385	ND		UG/KG	1
FLUORANTHENE	32.7	385	ND		UG/KG	1
PYRENE	32.7	385	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	35.0	385	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	275	385	ND		UG/KG	1
BENZO(a)ANTHRACENE	28.0	385	ND		UG/KG	1
CHRYSENE	29.2	385	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	36.2	385	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.7	385	ND		UG/KG	1
BENZO(b)FLUORANTHENE	61.8	385	ND		UG/KG	1
BENZO(k)FLUORANTHENE	77.0	385	ND		UG/KG	1
BENZO(a)PYRENE	33.8	385	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	38.5	385	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	36.2	385	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0109	ARDL Lab No.:	300433-05
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.2	370	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.9	370	ND		UG/KG	1
2-CHLOROPHENOL	47.0	370	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.4	370	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.0	370	ND		UG/KG	1
BENZYL ALCOHOL	44.8	370	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.6	370	ND		UG/KG	1
2-METHYLPHENOL	50.4	370	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.9	370	ND		UG/KG	1
4-METHYLPHENOL	48.2	370	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.5	370	ND		UG/KG	1
HEXACHLOROETHANE	54.9	370	ND		UG/KG	1
NITROBENZENE	39.2	370	ND		UG/KG	1
ISOPHORONE	31.4	370	ND		UG/KG	1
2-NITROPHENOL	43.7	370	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.0	370	ND		UG/KG	1
BENZOIC ACID	91.8	370	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.6	370	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.3	370	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.6	370	ND		UG/KG	1
NAPHTHALENE	42.6	370	ND		UG/KG	1
4-CHLOROANILINE	155	370	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.9	370	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.3	370	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.3	370	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.1	370	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.0	370	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.4	370	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.2	370	ND		UG/KG	1
2-NITROANILINE	29.1	370	ND		UG/KG	1
DIMETHYL PHTHALATE	34.7	370	ND		UG/KG	1
ACENAPHTHYLENE	43.7	370	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0109	ARDL Lab No.:	300433-05 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.8	370	ND		UG/KG	1
3-NITROANILINE	87.3	370	ND		UG/KG	1
ACENAPHTHENE	35.8	370	ND		UG/KG	1
2,4-DINITROPHENOL	33.6	370	ND		UG/KG	1
4-NITROPHENOL	52.6	370	ND		UG/KG	1
DIBENZOFURAN	38.1	370	ND		UG/KG	1
2,4-DINITROTOLUENE	33.6	370	ND		UG/KG	1
DIETHYLPHTHALATE	40.3	370	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.1	370	ND		UG/KG	1
FLUORENE	39.2	370	ND		UG/KG	1
4-NITROANILINE	66.1	370	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.5	370	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.7	370	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.2	370	ND		UG/KG	1
PHENANTHRENE	33.6	370	ND		UG/KG	1
HEXACHLOROBENZENE	34.7	370	ND		UG/KG	1
PENTACHLOROPHENOL	62.7	370	ND		UG/KG	1
ANTHRACENE	32.5	370	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	370	ND		UG/KG	1
FLUORANTHENE	31.4	370	ND		UG/KG	1
PYRENE	31.4	370	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.6	370	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	264	370	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.9	370	ND		UG/KG	1
CHRYSENE	28.0	370	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.7	370	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.4	370	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.4	370	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.9	370	ND		UG/KG	1
BENZO(a)PYRENE	32.5	370	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.0	370	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.7	370	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0119	ARDL Lab No.:	300433-06
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.0	368	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.8	368	ND		UG/KG	1
2-CHLOROPHENOL	46.9	368	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.2	368	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.9	368	ND		UG/KG	1
BENZYL ALCOHOL	44.6	368	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.4	368	ND		UG/KG	1
2-METHYLPHENOL	50.2	368	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.7	368	ND		UG/KG	1
4-METHYLPHENOL	48.0	368	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.3	368	ND		UG/KG	1
HEXACHLOROETHANE	54.7	368	ND		UG/KG	1
NITROBENZENE	39.1	368	ND		UG/KG	1
ISOPHORONE	31.3	368	ND		UG/KG	1
2-NITROPHENOL	43.5	368	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.8	368	ND		UG/KG	1
BENZOIC ACID	91.5	368	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.4	368	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.1	368	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.4	368	ND		UG/KG	1
NAPHTHALENE	42.4	368	ND		UG/KG	1
4-CHLOROANILINE	154	368	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.8	368	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.2	368	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.2	368	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.9	368	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.8	368	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.3	368	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	368	ND		UG/KG	1
2-NITROANILINE	29.0	368	ND		UG/KG	1
DIMETHYL PHTHALATE	34.6	368	ND		UG/KG	1
ACENAPHTHYLENE	43.5	368	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB02-0119	ARDL Lab No.:	300433-06 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.7	368	ND		UG/KG	1
3-NITROANILINE	87.1	368	ND		UG/KG	1
ACENAPHTHENE	35.7	368	ND		UG/KG	1
2,4-DINITROPHENOL	33.5	368	ND		UG/KG	1
4-NITROPHENOL	52.5	368	ND		UG/KG	1
DIBENZOFURAN	37.9	368	ND		UG/KG	1
2,4-DINITROTOLUENE	33.5	368	ND		UG/KG	1
DIETHYLPHTHALATE	40.2	368	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.9	368	ND		UG/KG	1
FLUORENE	39.1	368	ND		UG/KG	1
4-NITROANILINE	65.8	368	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.3	368	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.5	368	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	368	ND		UG/KG	1
PHENANTHRENE	33.5	368	ND		UG/KG	1
HEXACHLOROBENZENE	34.6	368	ND		UG/KG	1
PENTACHLOROPHENOL	62.5	368	ND		UG/KG	1
ANTHRACENE	32.4	368	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	368	ND		UG/KG	1
FLUORANTHENE	31.3	368	ND		UG/KG	1
PYRENE	31.3	368	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.5	368	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	368	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	368	ND		UG/KG	1
CHRYSENE	27.9	368	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.6	368	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	368	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.2	368	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.7	368	ND		UG/KG	1
BENZO(a)PYRENE	32.4	368	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.8	368	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.6	368	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0101	ARDL Lab No.:	300433-10
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1310	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.7	366	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.5	366	ND		UG/KG	1
2-CHLOROPHENOL	46.6	366	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.9	366	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.6	366	ND		UG/KG	1
BENZYL ALCOHOL	44.3	366	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.0	366	ND		UG/KG	1
2-METHYLPHENOL	49.9	366	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.3	366	ND		UG/KG	1
4-METHYLPHENOL	47.7	366	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.0	366	ND		UG/KG	1
HEXACHLOROETHANE	54.3	366	ND		UG/KG	1
NITROBENZENE	38.8	366	ND		UG/KG	1
ISOPHORONE	31.0	366	ND		UG/KG	1
2-NITROPHENOL	43.2	366	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.6	366	ND		UG/KG	1
BENZOIC ACID	90.9	366	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.1	366	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.8	366	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.1	366	ND		UG/KG	1
NAPHTHALENE	42.1	366	ND		UG/KG	1
4-CHLOROANILINE	153	366	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.5	366	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.9	366	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.9	366	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.7	366	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.6	366	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.0	366	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.8	366	ND		UG/KG	1
2-NITROANILINE	28.8	366	ND		UG/KG	1
DIMETHYL PHTHALATE	34.4	366	ND		UG/KG	1
ACENAPHTHYLENE	43.2	366	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0101	ARDL Lab No.:	300433-10 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1310	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.5	366	ND		UG/KG	1
3-NITROANILINE	86.5	366	ND		UG/KG	1
ACENAPHTHENE	35.5	366	ND		UG/KG	1
2,4-DINITROPHENOL	33.3	366	ND		UG/KG	1
4-NITROPHENOL	52.1	366	ND		UG/KG	1
DIBENZOFURAN	37.7	366	ND		UG/KG	1
2,4-DINITROTOLUENE	33.3	366	ND		UG/KG	1
DIETHYLPHTHALATE	39.9	366	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.7	366	ND		UG/KG	1
FLUORENE	38.8	366	ND		UG/KG	1
4-NITROANILINE	65.4	366	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.0	366	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.2	366	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.8	366	ND		UG/KG	1
PHENANTHRENE	33.3	366	ND		UG/KG	1
HEXACHLOROBENZENE	34.4	366	ND		UG/KG	1
PENTACHLOROPHENOL	62.1	366	ND		UG/KG	1
ANTHRACENE	32.2	366	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.4	366	608		UG/KG	1
FLUORANTHENE	31.0	366	ND		UG/KG	1
PYRENE	31.0	366	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.3	366	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	262	366	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.6	366	ND		UG/KG	1
CHRYSENE	27.7	366	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.4	366	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.0	366	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.8	366	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.2	366	ND		UG/KG	1
BENZO(a)PYRENE	32.2	366	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.6	366	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.4	366	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0109	ARDL Lab No.:	300433-11
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1320	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.6	373	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.3	373	ND		UG/KG	1
2-CHLOROPHENOL	47.5	373	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.8	373	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.5	373	ND		UG/KG	1
BENZYL ALCOHOL	45.2	373	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.1	373	ND		UG/KG	1
2-METHYLPHENOL	50.8	373	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.4	373	ND		UG/KG	1
4-METHYLPHENOL	48.6	373	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.0	373	ND		UG/KG	1
HEXACHLOROETHANE	55.4	373	ND		UG/KG	1
NITROBENZENE	39.5	373	ND		UG/KG	1
ISOPHORONE	31.6	373	ND		UG/KG	1
2-NITROPHENOL	44.1	373	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.3	373	ND		UG/KG	1
BENZOIC ACID	92.7	373	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.9	373	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.7	373	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.9	373	ND		UG/KG	1
NAPHTHALENE	42.9	373	ND		UG/KG	1
4-CHLOROANILINE	156	373	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.3	373	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.7	373	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.7	373	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.4	373	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.3	373	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.8	373	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.5	373	ND		UG/KG	1
2-NITROANILINE	29.4	373	ND		UG/KG	1
DIMETHYL PHTHALATE	35.0	373	ND		UG/KG	1
ACENAPHTHYLENE	44.1	373	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0109	ARDL Lab No.:	300433-11 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1320	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.2	373	ND		UG/KG	1
3-NITROANILINE	88.1	373	ND		UG/KG	1
ACENAPHTHENE	36.2	373	ND		UG/KG	1
2,4-DINITROPHENOL	33.9	373	ND		UG/KG	1
4-NITROPHENOL	53.1	373	ND		UG/KG	1
DIBENZOFURAN	38.4	373	ND		UG/KG	1
2,4-DINITROTOLUENE	33.9	373	ND		UG/KG	1
DIETHYLPHTHALATE	40.7	373	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.4	373	ND		UG/KG	1
FLUORENE	39.5	373	ND		UG/KG	1
4-NITROANILINE	66.7	373	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.0	373	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.1	373	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.5	373	ND		UG/KG	1
PHENANTHRENE	33.9	373	ND		UG/KG	1
HEXACHLOROBENZENE	35.0	373	ND		UG/KG	1
PENTACHLOROPHENOL	63.3	373	ND		UG/KG	1
ANTHRACENE	32.8	373	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	373	154	J	UG/KG	1
FLUORANTHENE	31.6	373	ND		UG/KG	1
PYRENE	31.6	373	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.9	373	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	267	373	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.1	373	ND		UG/KG	1
CHRYSENE	28.2	373	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.0	373	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.6	373	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.9	373	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.6	373	ND		UG/KG	1
BENZO(a)PYRENE	32.8	373	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.3	373	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.0	373	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0119	ARDL Lab No.:	300433-12
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1335	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.4	371	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.1	371	ND		UG/KG	1
2-CHLOROPHENOL	47.2	371	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.6	371	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.2	371	ND		UG/KG	1
BENZYL ALCOHOL	45.0	371	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.9	371	ND		UG/KG	1
2-METHYLPHENOL	50.6	371	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.1	371	ND		UG/KG	1
4-METHYLPHENOL	48.4	371	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.7	371	ND		UG/KG	1
HEXACHLOROETHANE	55.1	371	ND		UG/KG	1
NITROBENZENE	39.4	371	ND		UG/KG	1
ISOPHORONE	31.5	371	ND		UG/KG	1
2-NITROPHENOL	43.9	371	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.1	371	ND		UG/KG	1
BENZOIC ACID	92.2	371	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.7	371	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.5	371	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.7	371	ND		UG/KG	1
NAPHTHALENE	42.7	371	ND		UG/KG	1
4-CHLOROANILINE	155	371	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.1	371	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.5	371	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.5	371	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.2	371	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.1	371	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.6	371	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.4	371	ND		UG/KG	1
2-NITROANILINE	29.2	371	ND		UG/KG	1
DIMETHYL PHTHALATE	34.9	371	ND		UG/KG	1
ACENAPHTHYLENE	43.9	371	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB03-0119	ARDL Lab No.:	300433-12 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1335	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.0	371	ND		UG/KG	1
3-NITROANILINE	87.7	371	ND		UG/KG	1
ACENAPHTHENE	36.0	371	ND		UG/KG	1
2,4-DINITROPHENOL	33.7	371	ND		UG/KG	1
4-NITROPHENOL	52.9	371	ND		UG/KG	1
DIBENZOFURAN	38.2	371	ND		UG/KG	1
2,4-DINITROTOLUENE	33.7	371	ND		UG/KG	1
DIETHYLPHTHALATE	40.5	371	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.2	371	ND		UG/KG	1
FLUORENE	39.4	371	ND		UG/KG	1
4-NITROANILINE	66.4	371	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.7	371	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.9	371	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.4	371	ND		UG/KG	1
PHENANTHRENE	33.7	371	ND		UG/KG	1
HEXACHLOROBENZENE	34.9	371	ND		UG/KG	1
PENTACHLOROPHENOL	63.0	371	ND		UG/KG	1
ANTHRACENE	32.6	371	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	371	802	B	UG/KG	1
FLUORANTHENE	31.5	371	ND		UG/KG	1
PYRENE	31.5	371	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.7	371	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	371	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.0	371	ND		UG/KG	1
CHRYSENE	28.1	371	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.9	371	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.5	371	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.6	371	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.2	371	ND		UG/KG	1
BENZO(a)PYRENE	32.6	371	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.1	371	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.9	371	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0101	ARDL Lab No.:	300433-01
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1725	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	11.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.7	374	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.4	374	ND		UG/KG	1
2-CHLOROPHENOL	47.6	374	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.0	374	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.6	374	ND		UG/KG	1
BENZYL ALCOHOL	45.3	374	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.3	374	ND		UG/KG	1
2-METHYLPHENOL	51.0	374	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.5	374	ND		UG/KG	1
4-METHYLPHENOL	48.7	374	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.1	374	ND		UG/KG	1
HEXACHLOROETHANE	55.5	374	ND		UG/KG	1
NITROBENZENE	39.6	374	ND		UG/KG	1
ISOPHORONE	31.7	374	ND		UG/KG	1
2-NITROPHENOL	44.2	374	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.4	374	ND		UG/KG	1
BENZOIC ACID	92.9	374	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.0	374	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.8	374	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.0	374	ND		UG/KG	1
NAPHTHALENE	43.0	374	ND		UG/KG	1
4-CHLOROANILINE	156	374	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.4	374	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.8	374	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.8	374	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.5	374	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.4	374	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.9	374	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.6	374	ND		UG/KG	1
2-NITROANILINE	29.4	374	ND		UG/KG	1
DIMETHYL PHTHALATE	35.1	374	ND		UG/KG	1
ACENAPHTHYLENE	44.2	374	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0101	ARDL Lab No.:	300433-01 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1725	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	11.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.2	374	ND		UG/KG	1
3-NITROANILINE	88.3	374	ND		UG/KG	1
ACENAPHTHENE	36.2	374	ND		UG/KG	1
2,4-DINITROPHENOL	34.0	374	ND		UG/KG	1
4-NITROPHENOL	53.2	374	ND		UG/KG	1
DIBENZOFURAN	38.5	374	ND		UG/KG	1
2,4-DINITROTOLUENE	34.0	374	ND		UG/KG	1
DIETHYLPHTHALATE	40.8	374	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.5	374	ND		UG/KG	1
FLUORENE	39.6	374	ND		UG/KG	1
4-NITROANILINE	66.8	374	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.1	374	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.2	374	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.6	374	ND		UG/KG	1
PHENANTHRENE	34.0	374	ND		UG/KG	1
HEXACHLOROBENZENE	35.1	374	ND		UG/KG	1
PENTACHLOROPHENOL	63.4	374	ND		UG/KG	1
ANTHRACENE	32.8	374	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	374	ND		UG/KG	1
FLUORANTHENE	31.7	374	36.2	J	UG/KG	1
PYRENE	31.7	374	32.9	J	UG/KG	1
BUTYLBENZYLPHTHALATE	34.0	374	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	267	374	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.2	374	ND		UG/KG	1
CHRYSENE	28.3	374	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.1	374	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.7	374	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.0	374	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.7	374	ND		UG/KG	1
BENZO(a)PYRENE	32.8	374	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.4	374	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.1	374	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0109	ARDL Lab No.:	300433-02
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1740	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.4	379	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.1	379	ND		UG/KG	1
2-CHLOROPHENOL	48.3	379	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.7	379	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.3	379	ND		UG/KG	1
BENZYL ALCOHOL	46.0	379	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.2	379	ND		UG/KG	1
2-METHYLPHENOL	51.7	379	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.3	379	ND		UG/KG	1
4-METHYLPHENOL	49.4	379	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.9	379	ND		UG/KG	1
HEXACHLOROETHANE	56.3	379	ND		UG/KG	1
NITROBENZENE	40.2	379	ND		UG/KG	1
ISOPHORONE	32.2	379	ND		UG/KG	1
2-NITROPHENOL	44.8	379	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.9	379	ND		UG/KG	1
BENZOIC ACID	94.3	379	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.7	379	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.6	379	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.7	379	ND		UG/KG	1
NAPHTHALENE	43.7	379	ND		UG/KG	1
4-CHLOROANILINE	159	379	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.1	379	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.4	379	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.4	379	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	39.1	379	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.9	379	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.5	379	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.2	379	ND		UG/KG	1
2-NITROANILINE	29.9	379	ND		UG/KG	1
DIMETHYL PHTHALATE	35.6	379	ND		UG/KG	1
ACENAPHTHYLENE	44.8	379	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0109	ARDL Lab No.:	300433-02 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1740	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.8	379	ND		UG/KG	1
3-NITROANILINE	89.7	379	ND		UG/KG	1
ACENAPHTHENE	36.8	379	ND		UG/KG	1
2,4-DINITROPHENOL	34.5	379	ND		UG/KG	1
4-NITROPHENOL	54.0	379	ND		UG/KG	1
DIBENZOFURAN	39.1	379	ND		UG/KG	1
2,4-DINITROTOLUENE	34.5	379	ND		UG/KG	1
DIETHYLPHTHALATE	41.4	379	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	39.1	379	ND		UG/KG	1
FLUORENE	40.2	379	ND		UG/KG	1
4-NITROANILINE	67.8	379	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.9	379	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.8	379	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.2	379	ND		UG/KG	1
PHENANTHRENE	34.5	379	ND		UG/KG	1
HEXACHLOROBENZENE	35.6	379	ND		UG/KG	1
PENTACHLOROPHENOL	64.4	379	ND		UG/KG	1
ANTHRACENE	33.3	379	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.3	379	ND		UG/KG	1
FLUORANTHENE	32.2	379	ND		UG/KG	1
PYRENE	32.2	379	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.5	379	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	271	379	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.6	379	ND		UG/KG	1
CHRYSENE	28.7	379	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.6	379	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.2	379	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.9	379	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.9	379	ND		UG/KG	1
BENZO(a)PYRENE	33.3	379	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.9	379	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.6	379	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0119	ARDL Lab No.:	300433-03
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1800	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.3	378	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.0	378	ND		UG/KG	1
2-CHLOROPHENOL	48.1	378	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.5	378	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.1	378	ND		UG/KG	1
BENZYL ALCOHOL	45.8	378	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.0	378	ND		UG/KG	1
2-METHYLPHENOL	51.5	378	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.1	378	ND		UG/KG	1
4-METHYLPHENOL	49.3	378	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.7	378	ND		UG/KG	1
HEXACHLOROETHANE	56.1	378	ND		UG/KG	1
NITROBENZENE	40.1	378	ND		UG/KG	1
ISOPHORONE	32.1	378	ND		UG/KG	1
2-NITROPHENOL	44.7	378	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.8	378	ND		UG/KG	1
BENZOIC ACID	93.9	378	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.5	378	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.4	378	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.5	378	ND		UG/KG	1
NAPHTHALENE	43.5	378	ND		UG/KG	1
4-CHLOROANILINE	158	378	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.0	378	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.2	378	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.2	378	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.9	378	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.8	378	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.4	378	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.1	378	ND		UG/KG	1
2-NITROANILINE	29.8	378	ND		UG/KG	1
DIMETHYL PHTHALATE	35.5	378	ND		UG/KG	1
ACENAPHTHYLENE	44.7	378	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB04-0119	ARDL Lab No.:	300433-03 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/20/1997	Received Date:	02/26/1997
Sample Time:	1800	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.7	378	ND		UG/KG	1
3-NITROANILINE	89.3	378	ND		UG/KG	1
ACENAPHTHENE	36.7	378	ND		UG/KG	1
2,4-DINITROPHENOL	34.4	378	ND		UG/KG	1
4-NITROPHENOL	53.8	378	ND		UG/KG	1
DIBENZOFURAN	38.9	378	ND		UG/KG	1
2,4-DINITROTOLUENE	34.4	378	ND		UG/KG	1
DIETHYLPHTHALATE	41.2	378	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.9	378	ND		UG/KG	1
FLUORENE	40.1	378	ND		UG/KG	1
4-NITROANILINE	67.6	378	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.7	378	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.7	378	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.1	378	ND		UG/KG	1
PHENANTHRENE	34.4	378	ND		UG/KG	1
HEXACHLOROBENZENE	35.5	378	ND		UG/KG	1
PENTACHLOROPHENOL	64.1	378	ND		UG/KG	1
ANTHRACENE	33.2	378	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.2	378	ND		UG/KG	1
FLUORANTHENE	32.1	378	ND		UG/KG	1
PYRENE	32.1	378	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.4	378	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	270	378	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.5	378	ND		UG/KG	1
CHRYSENE	28.6	378	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.5	378	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.1	378	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.7	378	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.6	378	ND		UG/KG	1
BENZO(a)PYRENE	33.2	378	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.8	378	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.5	378	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0101	ARDL Lab No.:	300433-13
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1430	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.3	355	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.1	355	ND		UG/KG	1
2-CHLOROPHENOL	45.2	355	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.4	355	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.2	355	ND		UG/KG	1
BENZYL ALCOHOL	43.1	355	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.2	355	ND		UG/KG	1
2-METHYLPHENOL	48.4	355	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.7	355	ND		UG/KG	1
4-METHYLPHENOL	46.3	355	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.5	355	ND		UG/KG	1
HEXACHLOROETHANE	52.7	355	ND		UG/KG	1
NITROBENZENE	37.7	355	ND		UG/KG	1
ISOPHORONE	30.1	355	ND		UG/KG	1
2-NITROPHENOL	42.0	355	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.5	355	ND		UG/KG	1
BENZOIC ACID	88.3	355	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.9	355	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.4	355	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.9	355	ND		UG/KG	1
NAPHTHALENE	40.9	355	ND		UG/KG	1
4-CHLOROANILINE	149	355	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.1	355	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.8	355	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.8	355	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.6	355	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.5	355	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.8	355	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.7	355	ND		UG/KG	1
2-NITROANILINE	28.0	355	ND		UG/KG	1
DIMETHYL PHTHALATE	33.4	355	ND		UG/KG	1
ACENAPHTHYLENE	42.0	355	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Méthod: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0101	ARDL Lab No.:	300433-13 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1430	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.4	355	ND		UG/KG	1
3-NITROANILINE	84.0	355	ND		UG/KG	1
ACENAPHTHENE	34.4	355	ND		UG/KG	1
2,4-DINITROPHENOL	32.3	355	ND		UG/KG	1
4-NITROPHENOL	50.6	355	ND		UG/KG	1
DIBENZOFURAN	36.6	355	ND		UG/KG	1
2,4-DINITROTOLUENE	32.3	355	ND		UG/KG	1
DIETHYLPHTHALATE	38.8	355	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.6	355	ND		UG/KG	1
FLUORENE	37.7	355	ND		UG/KG	1
4-NITROANILINE	63.5	355	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.5	355	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.0	355	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.7	355	ND		UG/KG	1
PHENANTHRENE	32.3	355	ND		UG/KG	1
HEXACHLOROBENZENE	33.4	355	ND		UG/KG	1
PENTACHLOROPHENOL	60.3	355	ND		UG/KG	1
ANTHRACENE	31.2	355	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.7	355	42.1	JB	UG/KG	1
FLUORANTHENE	30.1	355	ND		UG/KG	1
PYRENE	30.1	355	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.3	355	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	254	355	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.8	355	ND		UG/KG	1
CHRYSENE	26.9	355	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.4	355	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.1	355	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.1	355	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.0	355	ND		UG/KG	1
BENZO(a)PYRENE	31.2	355	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.5	355	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.4	355	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0109	ARDL Lab No.:	300433-14
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1445	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.8	352	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.7	352	ND		UG/KG	1
2-CHLOROPHENOL	44.8	352	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.0	352	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.8	352	ND		UG/KG	1
BENZYL ALCOHOL	42.6	352	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.6	352	ND		UG/KG	1
2-METHYLPHENOL	48.0	352	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.2	352	ND		UG/KG	1
4-METHYLPHENOL	45.8	352	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.0	352	ND		UG/KG	1
HEXACHLOROETHANE	52.2	352	ND		UG/KG	1
NITROBENZENE	37.3	352	ND		UG/KG	1
ISOPHORONE	29.9	352	ND		UG/KG	1
2-NITROPHENOL	41.6	352	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.2	352	ND		UG/KG	1
BENZOIC ACID	87.4	352	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.5	352	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.9	352	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.5	352	ND		UG/KG	1
NAPHTHALENE	40.5	352	ND		UG/KG	1
4-CHLOROANILINE	147	352	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.7	352	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.4	352	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.4	352	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.2	352	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.2	352	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.4	352	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.3	352	ND		UG/KG	1
2-NITROANILINE	27.7	352	ND		UG/KG	1
DIMETHYL PHTHALATE	33.0	352	ND		UG/KG	1
ACENAPHTHYLENE	41.6	352	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0109	ARDL Lab No.:	300433-14 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1445	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.1	352	ND		UG/KG	1
3-NITROANILINE	83.2	352	ND		UG/KG	1
ACENAPHTHENE	34.1	352	ND		UG/KG	1
2,4-DINITROPHENOL	32.0	352	ND		UG/KG	1
4-NITROPHENOL	50.1	352	ND		UG/KG	1
DIBENZOFURAN	36.2	352	ND		UG/KG	1
2,4-DINITROTOLUENE	32.0	352	ND		UG/KG	1
DIETHYLPHTHALATE	38.4	352	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.2	352	ND		UG/KG	1
FLUORENE	37.3	352	ND		UG/KG	1
4-NITROANILINE	62.9	352	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.0	352	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.6	352	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.3	352	ND		UG/KG	1
PHENANTHRENE	32.0	352	ND		UG/KG	1
HEXACHLOROBENZENE	33.0	352	ND		UG/KG	1
PENTACHLOROPHENOL	59.7	352	ND		UG/KG	1
ANTHRACENE	30.9	352	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.5	352	111	JB	UG/KG	1
FLUORANTHENE	29.9	352	ND		UG/KG	1
PYRENE	29.9	352	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.0	352	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	252	352	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.6	352	ND		UG/KG	1
CHRYSENE	26.7	352	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.0	352	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.9	352	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.5	352	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.4	352	ND		UG/KG	1
BENZO(a)PYRENE	30.9	352	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.2	352	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.0	352	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0112	ARDL Lab No.:	300433-15
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.6	358	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.4	358	ND		UG/KG	1
2-CHLOROPHENOL	45.5	358	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.8	358	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.5	358	ND		UG/KG	1
BENZYL ALCOHOL	43.3	358	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.6	358	ND		UG/KG	1
2-METHYLPHENOL	48.8	358	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.1	358	ND		UG/KG	1
4-METHYLPHENOL	46.6	358	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.8	358	ND		UG/KG	1
HEXACHLOROETHANE	53.1	358	ND		UG/KG	1
NITROBENZENE	37.9	358	ND		UG/KG	1
ISOPHORONE	30.3	358	ND		UG/KG	1
2-NITROPHENOL	42.3	358	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.8	358	ND		UG/KG	1
BENZOIC ACID	88.8	358	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.2	358	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.7	358	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.2	358	ND		UG/KG	1
NAPHTHALENE	41.2	358	ND		UG/KG	1
4-CHLOROANILINE	150	358	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.4	358	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.0	358	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.0	358	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.8	358	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.8	358	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.1	358	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.9	358	ND		UG/KG	1
2-NITROANILINE	28.2	358	ND		UG/KG	1
DIMETHYL PHTHALATE	33.6	358	ND		UG/KG	1
ACENAPHTHYLENE	42.3	358	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB05-0112	ARDL Lab No.:	300433-15 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.7	358	ND		UG/KG	1
3-NITROANILINE	84.5	358	ND		UG/KG	1
ACENAPHTHENE	34.7	358	ND		UG/KG	1
2,4-DINITROPHENOL	32.5	358	ND		UG/KG	1
4-NITROPHENOL	50.9	358	ND		UG/KG	1
DIBENZOFURAN	36.8	358	ND		UG/KG	1
2,4-DINITROTOLUENE	32.5	358	ND		UG/KG	1
DIETHYLPHTHALATE	39.0	358	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.8	358	ND		UG/KG	1
FLUORENE	37.9	358	ND		UG/KG	1
4-NITROANILINE	63.9	358	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.8	358	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.3	358	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.9	358	ND		UG/KG	1
PHENANTHRENE	32.5	358	ND		UG/KG	1
HEXACHLOROBENZENE	33.6	358	ND		UG/KG	1
PENTACHLOROPHENOL	60.7	358	ND		UG/KG	1
ANTHRACENE	31.4	358	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.8	358	ND		UG/KG	1
FLUORANTHENE	30.3	358	ND		UG/KG	1
PYRENE	30.3	358	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.5	358	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	256	358	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.0	358	ND		UG/KG	1
CHRYSENE	27.1	358	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.6	358	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.3	358	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.4	358	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.5	358	ND		UG/KG	1
BENZO(a)PYRENE	31.4	358	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.8	358	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.6	358	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0101	ARDL Lab No.:	300433-16
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0755	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.4	356	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.2	356	ND		UG/KG	1
2-CHLOROPHENOL	45.3	356	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.5	356	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.3	356	ND		UG/KG	1
BENZYL ALCOHOL	43.1	356	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.3	356	ND		UG/KG	1
2-METHYLPHENOL	48.5	356	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.9	356	ND		UG/KG	1
4-METHYLPHENOL	46.4	356	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.6	356	ND		UG/KG	1
HEXACHLOROETHANE	52.9	356	ND		UG/KG	1
NITROBENZENE	37.8	356	ND		UG/KG	1
ISOPHORONE	30.2	356	ND		UG/KG	1
2-NITROPHENOL	42.1	356	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.6	356	ND		UG/KG	1
BENZOIC ACID	88.5	356	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.0	356	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.5	356	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.0	356	ND		UG/KG	1
NAPHTHALENE	41.0	356	ND		UG/KG	1
4-CHLOROANILINE	149	356	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.2	356	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.8	356	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.8	356	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.7	356	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.6	356	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.9	356	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.8	356	ND		UG/KG	1
2-NITROANILINE	28.0	356	ND		UG/KG	1
DIMETHYL PHTHALATE	33.4	356	ND		UG/KG	1
ACENAPHTHYLENE	42.1	356	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0101	ARDL Lab No.:	300433-16 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0755	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.5	356	ND		UG/KG	1
3-NITROANILINE	84.1	356	ND		UG/KG	1
ACENAPHTHENE	34.5	356	ND		UG/KG	1
2,4-DINITROPHENOL	32.4	356	ND		UG/KG	1
4-NITROPHENOL	50.7	356	ND		UG/KG	1
DIBENZOFURAN	36.7	356	ND		UG/KG	1
2,4-DINITROTOLUENE	32.4	356	ND		UG/KG	1
DIETHYLPHTHALATE	38.8	356	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.7	356	ND		UG/KG	1
FLUORENE	37.8	356	ND		UG/KG	1
4-NITROANILINE	63.6	356	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.6	356	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.1	356	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.8	356	ND		UG/KG	1
PHENANTHRENE	32.4	356	ND		UG/KG	1
HEXACHLOROBENZENE	33.4	356	ND		UG/KG	1
PENTACHLOROPHENOL	60.4	356	ND		UG/KG	1
ANTHRACENE	31.3	356	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.7	356	75.8	JB	UG/KG	1
FLUORANTHENE	30.2	356	ND		UG/KG	1
PYRENE	30.2	356	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.4	356	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	255	356	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.9	356	ND		UG/KG	1
CHRYSENE	27.0	356	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.4	356	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.2	356	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.2	356	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.2	356	ND		UG/KG	1
BENZO(a)PYRENE	31.3	356	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.6	356	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.4	356	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0107	ARDL Lab No.:	300433-17
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0810	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.2	370	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.0	370	ND		UG/KG	1
2-CHLOROPHENOL	47.1	370	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.4	370	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.1	370	ND		UG/KG	1
BENZYL ALCOHOL	44.8	370	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.7	370	ND		UG/KG	1
2-METHYLPHENOL	50.4	370	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.9	370	ND		UG/KG	1
4-METHYLPHENOL	48.2	370	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.6	370	ND		UG/KG	1
HEXACHLOROETHANE	54.9	370	ND		UG/KG	1
NITROBENZENE	39.2	370	ND		UG/KG	1
ISOPHORONE	31.4	370	ND		UG/KG	1
2-NITROPHENOL	43.7	370	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.0	370	ND		UG/KG	1
BENZOIC ACID	91.9	370	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.6	370	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.3	370	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.6	370	ND		UG/KG	1
NAPHTHALENE	42.6	370	ND		UG/KG	1
4-CHLOROANILINE	155	370	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.0	370	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.4	370	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.4	370	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.1	370	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.0	370	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.5	370	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.2	370	ND		UG/KG	1
2-NITROANILINE	29.1	370	ND		UG/KG	1
DIMETHYL PHTHALATE	34.8	370	ND		UG/KG	1
ACENAPHTHYLENE	43.7	370	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0107	ARDL Lab No.:	300433-17 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0810	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.9	370	ND		UG/KG	1
3-NITROANILINE	87.4	370	ND		UG/KG	1
ACENAPHTHENE	35.9	370	ND		UG/KG	1
2,4-DINITROPHENOL	33.6	370	ND		UG/KG	1
4-NITROPHENOL	52.7	370	ND		UG/KG	1
DIBENZOFURAN	38.1	370	ND		UG/KG	1
2,4-DINITROTOLUENE	33.6	370	ND		UG/KG	1
DIETHYLPHTHALATE	40.4	370	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.1	370	ND		UG/KG	1
FLUORENE	39.2	370	ND		UG/KG	1
4-NITROANILINE	66.1	370	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.6	370	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.7	370	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.2	370	ND		UG/KG	1
PHENANTHRENE	33.6	370	ND		UG/KG	1
HEXACHLOROBENZENE	34.8	370	ND		UG/KG	1
PENTACHLOROPHENOL	62.8	370	ND		UG/KG	1
ANTHRACENE	32.5	370	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	370	ND		UG/KG	1
FLUORANTHENE	31.4	370	ND		UG/KG	1
PYRENE	31.4	370	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.6	370	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	370	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.9	370	ND		UG/KG	1
CHRYSENE	28.0	370	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.8	370	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.4	370	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.4	370	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.0	370	ND		UG/KG	1
BENZO(a)PYRENE	32.5	370	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.0	370	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.8	370	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0117	ARDL Lab No.:	300433-18
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0825	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	8.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.2	362	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.0	362	ND		UG/KG	1
2-CHLOROPHENOL	46.1	362	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.4	362	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.1	362	ND		UG/KG	1
BENZYL ALCOHOL	43.9	362	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.4	362	ND		UG/KG	1
2-METHYLPHENOL	49.4	362	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.8	362	ND		UG/KG	1
4-METHYLPHENOL	47.2	362	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.5	362	ND		UG/KG	1
HEXACHLOROETHANE	53.8	362	ND		UG/KG	1
NITROBENZENE	38.4	362	ND		UG/KG	1
ISOPHORONE	30.7	362	ND		UG/KG	1
2-NITROPHENOL	42.8	362	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.2	362	ND		UG/KG	1
BENZOIC ACID	90.0	362	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.7	362	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.3	362	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.7	362	ND		UG/KG	1
NAPHTHALENE	41.7	362	ND		UG/KG	1
4-CHLOROANILINE	151	362	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.0	362	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.5	362	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.5	362	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.3	362	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.2	362	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.6	362	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.4	362	ND		UG/KG	1
2-NITROANILINE	28.5	362	ND		UG/KG	1
DIMETHYL PHTHALATE	34.0	362	ND		UG/KG	1
ACENAPHTHYLENE	42.8	362	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB06-0117	ARDL Lab No.:	300433-18 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0825	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2056
% Moisture:	8.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.1	362	ND		UG/KG	1
3-NITROANILINE	85.6	362	ND		UG/KG	1
ACENAPHTHENE	35.1	362	ND		UG/KG	1
2,4-DINITROPHENOL	32.9	362	ND		UG/KG	1
4-NITROPHENOL	51.6	362	ND		UG/KG	1
DIBENZOFURAN	37.3	362	ND		UG/KG	1
2,4-DINITROTOLUENE	32.9	362	ND		UG/KG	1
DIETHYLPHTHALATE	39.5	362	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.3	362	ND		UG/KG	1
FLUORENE	38.4	362	ND		UG/KG	1
4-NITROANILINE	64.8	362	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.5	362	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.8	362	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.4	362	ND		UG/KG	1
PHENANTHRENE	32.9	362	ND		UG/KG	1
HEXACHLOROBENZENE	34.0	362	ND		UG/KG	1
PENTACHLOROPHENOL	61.5	362	ND		UG/KG	1
ANTHRACENE	31.8	362	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.1	362	399	B	UG/KG	1
FLUORANTHENE	30.7	362	ND		UG/KG	1
PYRENE	30.7	362	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.9	362	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	259	362	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.3	362	ND		UG/KG	1
CHRYSENE	27.4	362	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.0	362	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.7	362	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.2	362	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.4	362	ND		UG/KG	1
BENZO(a)PYRENE	31.8	362	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.2	362	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.0	362	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0101	ARDL Lab No.:	300433-07
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.5	380	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.2	380	ND		UG/KG	1
2-CHLOROPHENOL	48.3	380	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.8	380	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.3	380	ND		UG/KG	1
BENZYL ALCOHOL	46.0	380	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.3	380	ND		UG/KG	1
2-METHYLPHENOL	51.8	380	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.4	380	ND		UG/KG	1
4-METHYLPHENOL	49.5	380	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.9	380	ND		UG/KG	1
HEXACHLOROETHANE	56.4	380	ND		UG/KG	1
NITROBENZENE	40.3	380	ND		UG/KG	1
ISOPHORONE	32.2	380	ND		UG/KG	1
2-NITROPHENOL	44.9	380	ND		UG/KG	1
2,4-DIMETHYLPHENOL	38.0	380	ND		UG/KG	1
BENZOIC ACID	94.4	380	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.7	380	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.6	380	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.7	380	ND		UG/KG	1
NAPHTHALENE	43.7	380	ND		UG/KG	1
4-CHLOROANILINE	159	380	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.2	380	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.4	380	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.4	380	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	39.1	380	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	38.0	380	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.6	380	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.3	380	ND		UG/KG	1
2-NITROANILINE	29.9	380	ND		UG/KG	1
DIMETHYL PHTHALATE	35.7	380	ND		UG/KG	1
ACENAPHTHYLENE	44.9	380	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0101	ARDL Lab No.:	300433-07 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.8	380	ND		UG/KG	1
3-NITROANILINE	89.8	380	ND		UG/KG	1
ACENAPHTHENE	36.8	380	ND		UG/KG	1
2,4-DINITROPHENOL	34.5	380	ND		UG/KG	1
4-NITROPHENOL	54.1	380	ND		UG/KG	1
DIBENZOFURAN	39.1	380	ND		UG/KG	1
2,4-DINITROTOLUENE	34.5	380	ND		UG/KG	1
DIETHYLPHTHALATE	41.4	380	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	39.1	380	ND		UG/KG	1
FLUORENE	40.3	380	ND		UG/KG	1
4-NITROANILINE	67.9	380	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.9	380	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.9	380	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.3	380	ND		UG/KG	1
PHENANTHRENE	34.5	380	ND		UG/KG	1
HEXACHLOROBENZENE	35.7	380	ND		UG/KG	1
PENTACHLOROPHENOL	64.4	380	ND		UG/KG	1
ANTHRACENE	33.4	380	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.3	380	483		UG/KG	1
FLUORANTHENE	32.2	380	ND		UG/KG	1
PYRENE	32.2	380	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.5	380	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	272	380	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.6	380	ND		UG/KG	1
CHRYSENE	28.8	380	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.7	380	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.2	380	ND		UG/KG	1
BENZO(b)FLUORANTHENE	61.0	380	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.9	380	ND		UG/KG	1
BENZO(a)PYRENE	33.4	380	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	38.0	380	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.7	380	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0109	ARDL Lab No.:	300433-08
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1130	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.7	382	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.4	382	ND		UG/KG	1
2-CHLOROPHENOL	48.6	382	ND		UG/KG	1
1,3-DICHLOROBENZENE	52.0	382	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.6	382	ND		UG/KG	1
BENZYL ALCOHOL	46.2	382	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.6	382	ND		UG/KG	1
2-METHYLPHENOL	52.0	382	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.6	382	ND		UG/KG	1
4-METHYLPHENOL	49.7	382	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	53.2	382	ND		UG/KG	1
HEXACHLOROETHANE	56.6	382	ND		UG/KG	1
NITROBENZENE	40.5	382	ND		UG/KG	1
ISOPHORONE	32.4	382	ND		UG/KG	1
2-NITROPHENOL	45.1	382	ND		UG/KG	1
2,4-DIMETHYLPHENOL	38.2	382	ND		UG/KG	1
BENZOIC ACID	94.8	382	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.9	382	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.9	382	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.9	382	ND		UG/KG	1
NAPHTHALENE	43.9	382	ND		UG/KG	1
4-CHLOROANILINE	160	382	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.4	382	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.6	382	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.6	382	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	39.3	382	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	38.2	382	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.8	382	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.5	382	ND		UG/KG	1
2-NITROANILINE	30.1	382	ND		UG/KG	1
DIMETHYL PHTHALATE	35.8	382	ND		UG/KG	1
ACENAPHTHYLENE	45.1	382	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0109	ARDL Lab No.:	300433-08 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1130	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	13.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	37.0	382	ND		UG/KG	1
3-NITROANILINE	90.2	382	ND		UG/KG	1
ACENAPHTHENE	37.0	382	ND		UG/KG	1
2,4-DINITROPHENOL	34.7	382	ND		UG/KG	1
4-NITROPHENOL	54.3	382	ND		UG/KG	1
DIBENZOFURAN	39.3	382	ND		UG/KG	1
2,4-DINITROTOLUENE	34.7	382	ND		UG/KG	1
DIETHYLPHTHALATE	41.6	382	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	39.3	382	ND		UG/KG	1
FLUORENE	40.5	382	ND		UG/KG	1
4-NITROANILINE	68.2	382	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	53.2	382	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	45.1	382	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.5	382	ND		UG/KG	1
PHENANTHRENE	34.7	382	ND		UG/KG	1
HEXACHLOROBENZENE	35.8	382	ND		UG/KG	1
PENTACHLOROPHENOL	64.7	382	ND		UG/KG	1
ANTHRACENE	33.5	382	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.4	382	ND		UG/KG	1
FLUORANTHENE	32.4	382	ND		UG/KG	1
PYRENE	32.4	382	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.7	382	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	273	382	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.7	382	ND		UG/KG	1
CHRYSENE	28.9	382	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.8	382	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.4	382	ND		UG/KG	1
BENZO(b)FLUORANTHENE	61.3	382	ND		UG/KG	1
BENZO(k)FLUORANTHENE	76.3	382	ND		UG/KG	1
BENZO(a)PYRENE	33.5	382	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	38.2	382	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.8	382	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0119	ARDL Lab No.:	300433-09
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.2	370	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.0	370	ND		UG/KG	1
2-CHLOROPHENOL	47.1	370	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.4	370	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.1	370	ND		UG/KG	1
BENZYL ALCOHOL	44.8	370	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.7	370	ND		UG/KG	1
2-METHYLPHENOL	50.4	370	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.9	370	ND		UG/KG	1
4-METHYLPHENOL	48.2	370	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.6	370	ND		UG/KG	1
HEXACHLOROETHANE	54.9	370	ND		UG/KG	1
NITROBENZENE	39.2	370	ND		UG/KG	1
ISOPHORONE	31.4	370	ND		UG/KG	1
2-NITROPHENOL	43.7	370	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.0	370	ND		UG/KG	1
BENZOIC ACID	91.9	370	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.6	370	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.3	370	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.6	370	ND		UG/KG	1
NAPHTHALENE	42.6	370	ND		UG/KG	1
4-CHLOROANILINE	155	370	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.0	370	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.4	370	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.4	370	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.1	370	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.0	370	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.5	370	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.2	370	ND		UG/KG	1
2-NITROANILINE	29.1	370	ND		UG/KG	1
DIMETHYL PHTHALATE	34.8	370	ND		UG/KG	1
ACENAPHTHYLENE	43.7	370	ND		UG/KG	1

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB07-0119	ARDL Lab No.:	300433-09 (cont'd)
Desc/Location:	N/A	Lab Filename:	
Sample Date:	02/21/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/26/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2060
% Moisture:	10.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.9	370	ND		UG/KG	1
3-NITROANILINE	87.4	370	ND		UG/KG	1
ACENAPHTHENE	35.9	370	ND		UG/KG	1
2,4-DINITROPHENOL	33.6	370	ND		UG/KG	1
4-NITROPHENOL	52.7	370	ND		UG/KG	1
DIBENZOFURAN	38.1	370	ND		UG/KG	1
2,4-DINITROTOLUENE	33.6	370	ND		UG/KG	1
DIETHYLPHTHALATE	40.4	370	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.1	370	ND		UG/KG	1
FLUORENE	39.2	370	ND		UG/KG	1
4-NITROANILINE	66.1	370	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.6	370	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.7	370	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.2	370	ND		UG/KG	1
PHENANTHRENE	33.6	370	ND		UG/KG	1
HEXACHLOROBENZENE	34.8	370	ND		UG/KG	1
PENTACHLOROPHENOL	62.8	370	ND		UG/KG	1
ANTHRACENE	32.5	370	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	370	236	J	UG/KG	1
FLUORANTHENE	31.4	370	ND		UG/KG	1
PYRENE	31.4	370	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.6	370	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	370	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.9	370	ND		UG/KG	1
CHRYSENE	28.0	370	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.8	370	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.4	370	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.4	370	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.0	370	ND		UG/KG	1
BENZO(a)PYRENE	32.5	370	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.0	370	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.8	370	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0101	ARDL Lab No.:	300434-13
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0835	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	7.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.5	357	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.3	357	ND		UG/KG	1
2-CHLOROPHENOL	45.4	357	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.6	357	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.4	357	ND		UG/KG	1
BENZYL ALCOHOL	43.2	357	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.5	357	ND		UG/KG	1
2-METHYLPHENOL	48.6	357	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.0	357	ND		UG/KG	1
4-METHYLPHENOL	46.5	357	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.7	357	ND		UG/KG	1
HEXACHLOROETHANE	53.0	357	ND		UG/KG	1
NITROBENZENE	37.8	357	ND		UG/KG	1
ISOPHORONE	30.3	357	ND		UG/KG	1
2-NITROPHENOL	42.2	357	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.7	357	ND		UG/KG	1
BENZOIC ACID	88.6	357	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.1	357	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.6	357	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.1	357	ND		UG/KG	1
NAPHTHALENE	41.1	357	ND		UG/KG	1
4-CHLOROANILINE	149	357	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.3	357	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.9	357	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.9	357	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.8	357	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.7	357	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.0	357	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.8	357	ND		UG/KG	1
2-NITROANILINE	28.1	357	ND		UG/KG	1
DIMETHYL PHTHALATE	33.5	357	ND		UG/KG	1
ACENAPHTHYLENE	42.2	357	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0101	ARDL Lab No.:	300434-13 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0835	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	7.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.6	357	ND		UG/KG	1
3-NITROANILINE	84.3	357	ND		UG/KG	1
ACENAPHTHENE	34.6	357	ND		UG/KG	1
2,4-DINITROPHENOL	32.4	357	ND		UG/KG	1
4-NITROPHENOL	50.8	357	ND		UG/KG	1
DIBENZOFURAN	36.8	357	ND		UG/KG	1
2,4-DINITROTOLUENE	32.4	357	ND		UG/KG	1
DIETHYLPHTHALATE	38.9	357	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.8	357	ND		UG/KG	1
FLUORENE	37.8	357	ND		UG/KG	1
4-NITROANILINE	63.8	357	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.7	357	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.2	357	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.8	357	ND		UG/KG	1
PHENANTHRENE	32.4	357	ND		UG/KG	1
HEXACHLOROBENZENE	33.5	357	ND		UG/KG	1
PENTACHLOROPHENOL	60.5	357	ND		UG/KG	1
ANTHRACENE	31.4	357	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.8	357	ND		UG/KG	1
FLUORANTHENE	30.3	357	ND		UG/KG	1
PYRENE	30.3	357	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.4	357	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	255	357	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.9	357	ND		UG/KG	1
CHRYSENE	27.0	357	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.5	357	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.3	357	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.3	357	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.4	357	ND		UG/KG	1
BENZO(a)PYRENE	31.4	357	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.7	357	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.5	357	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0103	ARDL Lab No.:	300434-14
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0840	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	10.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.9	367	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.7	367	ND		UG/KG	1
2-CHLOROPHENOL	46.8	367	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.1	367	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.8	367	ND		UG/KG	1
BENZYL ALCOHOL	44.5	367	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.2	367	ND		UG/KG	1
2-METHYLPHENOL	50.1	367	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.6	367	ND		UG/KG	1
4-METHYLPHENOL	47.9	367	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.2	367	ND		UG/KG	1
HEXACHLOROETHANE	54.6	367	ND		UG/KG	1
NITROBENZENE	39.0	367	ND		UG/KG	1
ISOPHORONE	31.2	367	ND		UG/KG	1
2-NITROPHENOL	43.4	367	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.7	367	ND		UG/KG	1
BENZOIC ACID	91.3	367	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.3	367	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.0	367	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.3	367	ND		UG/KG	1
NAPHTHALENE	42.3	367	ND		UG/KG	1
4-CHLOROANILINE	154	367	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.7	367	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.1	367	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.1	367	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.9	367	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.7	367	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.2	367	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.0	367	ND		UG/KG	1
2-NITROANILINE	29.0	367	ND		UG/KG	1
DIMETHYL PHTHALATE	34.5	367	ND		UG/KG	1
ACENAPHTHYLENE	43.4	367	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0103	ARDL Lab No.:	300434-14 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0840	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/01/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	10.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.6	367	ND		UG/KG	1
3-NITROANILINE	86.9	367	ND		UG/KG	1
ACENAPHTHENE	35.6	367	ND		UG/KG	1
2,4-DINITROPHENOL	33.4	367	ND		UG/KG	1
4-NITROPHENOL	52.3	367	ND		UG/KG	1
DIBENZOFURAN	37.9	367	ND		UG/KG	1
2,4-DINITROTOLUENE	33.4	367	ND		UG/KG	1
DIETHYLPHTHALATE	40.1	367	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.9	367	ND		UG/KG	1
FLUORENE	39.0	367	ND		UG/KG	1
4-NITROANILINE	65.7	367	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.2	367	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.4	367	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.0	367	ND		UG/KG	1
PHENANTHRENE	33.4	367	ND		UG/KG	1
HEXACHLOROBENZENE	34.5	367	ND		UG/KG	1
PENTACHLOROPHENOL	62.4	367	ND		UG/KG	1
ANTHRACENE	32.3	367	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.5	367	ND		UG/KG	1
FLUORANTHENE	31.2	367	ND		UG/KG	1
PYRENE	31.2	367	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.4	367	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	367	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.7	367	ND		UG/KG	1
CHRYSENE	27.8	367	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.5	367	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.2	367	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.0	367	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.5	367	ND		UG/KG	1
BENZO(a)PYRENE	32.3	367	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.7	367	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.5	367	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0110	ARDL Lab No.:	300434-15
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0850	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.6	350	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.5	350	ND		UG/KG	1
2-CHLOROPHENOL	44.6	350	ND		UG/KG	1
1,3-DICHLOROBENZENE	47.8	350	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.6	350	ND		UG/KG	1
BENZYL ALCOHOL	42.5	350	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.4	350	ND		UG/KG	1
2-METHYLPHENOL	47.8	350	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.0	350	ND		UG/KG	1
4-METHYLPHENOL	45.6	350	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	48.8	350	ND		UG/KG	1
HEXACHLOROETHANE	52.0	350	ND		UG/KG	1
NITROBENZENE	37.2	350	ND		UG/KG	1
ISOPHORONE	29.7	350	ND		UG/KG	1
2-NITROPHENOL	41.4	350	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.0	350	ND		UG/KG	1
BENZOIC ACID	87.0	350	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.3	350	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.7	350	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.3	350	ND		UG/KG	1
NAPHTHALENE	40.3	350	ND		UG/KG	1
4-CHLOROANILINE	146	350	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.5	350	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.2	350	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.2	350	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.1	350	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.0	350	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.3	350	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.2	350	ND		UG/KG	1
2-NITROANILINE	27.6	350	ND		UG/KG	1
DIMETHYL PHTHALATE	32.9	350	ND		UG/KG	1
ACENAPHTHYLENE	41.4	350	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB08-0110	ARDL Lab No.:	300434-15 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0850	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.0	350	ND		UG/KG	1
3-NITROANILINE	82.8	350	ND		UG/KG	1
ACENAPHTHENE	34.0	350	ND		UG/KG	1
2,4-DINITROPHENOL	31.8	350	ND		UG/KG	1
4-NITROPHENOL	49.9	350	ND		UG/KG	1
DIBENZOFURAN	36.1	350	ND		UG/KG	1
2,4-DINITROTOLUENE	31.8	350	ND		UG/KG	1
DIETHYLPHTHALATE	38.2	350	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.1	350	ND		UG/KG	1
FLUORENE	37.2	350	ND		UG/KG	1
4-NITROANILINE	62.6	350	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	48.8	350	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.4	350	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.2	350	ND		UG/KG	1
PHENANTHRENE	31.8	350	ND		UG/KG	1
HEXACHLOROBENZENE	32.9	350	ND		UG/KG	1
PENTACHLOROPHENOL	59.4	350	ND		UG/KG	1
ANTHRACENE	30.8	350	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.4	350	ND		UG/KG	1
FLUORANTHENE	29.7	350	ND		UG/KG	1
PYRENE	29.7	350	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	31.8	350	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	251	350	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.5	350	ND		UG/KG	1
CHRYSENE	26.5	350	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	32.9	350	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.7	350	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.3	350	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.1	350	ND		UG/KG	1
BENZO(a)PYRENE	30.8	350	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.0	350	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	32.9	350	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0101	ARDL Lab No.:	300434-16
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0950	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	8.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.8	359	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.7	359	ND		UG/KG	1
2-CHLOROPHENOL	45.8	359	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.0	359	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.8	359	ND		UG/KG	1
BENZYL ALCOHOL	43.6	359	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.9	359	ND		UG/KG	1
2-METHYLPHENOL	49.0	359	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.4	359	ND		UG/KG	1
4-METHYLPHENOL	46.8	359	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.1	359	ND		UG/KG	1
HEXACHLOROETHANE	53.4	359	ND		UG/KG	1
NITROBENZENE	38.1	359	ND		UG/KG	1
ISOPHORONE	30.5	359	ND		UG/KG	1
2-NITROPHENOL	42.5	359	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.9	359	ND		UG/KG	1
BENZOIC ACID	89.3	359	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.4	359	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.9	359	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.4	359	ND		UG/KG	1
NAPHTHALENE	41.4	359	ND		UG/KG	1
4-CHLOROANILINE	150	359	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.7	359	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.2	359	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.2	359	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.0	359	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.9	359	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.3	359	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.1	359	ND		UG/KG	1
2-NITROANILINE	28.3	359	ND		UG/KG	1
DIMETHYL PHTHALATE	33.8	359	ND		UG/KG	1
ACENAPHTHYLENE	42.5	359	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0101	ARDL Lab No.:	300434-16 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0950	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	8.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.9	359	ND		UG/KG	1
3-NITROANILINE	85.0	359	ND		UG/KG	1
ACENAPHTHENE	34.9	359	ND		UG/KG	1
2,4-DINITROPHENOL	32.7	359	ND		UG/KG	1
4-NITROPHENOL	51.2	359	ND		UG/KG	1
DIBENZOFURAN	37.0	359	ND		UG/KG	1
2,4-DINITROTOLUENE	32.7	359	ND		UG/KG	1
DIETHYLPHTHALATE	39.2	359	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.0	359	ND		UG/KG	1
FLUORENE	38.1	359	ND		UG/KG	1
4-NITROANILINE	64.3	359	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.1	359	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.5	359	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.1	359	ND		UG/KG	1
PHENANTHRENE	32.7	359	ND		UG/KG	1
HEXACHLOROBENZENE	33.8	359	ND		UG/KG	1
PENTACHLOROPHENOL	61.0	359	ND		UG/KG	1
ANTHRACENE	31.6	359	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.0	359	ND		UG/KG	1
FLUORANTHENE	30.5	359	ND		UG/KG	1
PYRENE	30.5	359	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.7	359	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	257	359	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.1	359	ND		UG/KG	1
CHRYSENE	27.2	359	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.8	359	63.7	J	UG/KG	1
DI-N-OCTYL PHTHALATE	30.5	359	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.7	359	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.9	359	ND		UG/KG	1
BENZO(a)PYRENE	31.6	359	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.9	359	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.8	359	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0102	ARDL Lab No.:	300434-17
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0955	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.6	350	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.5	350	ND		UG/KG	1
2-CHLOROPHENOL	44.6	350	ND		UG/KG	1
1,3-DICHLOROBENZENE	47.8	350	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.6	350	ND		UG/KG	1
BENZYL ALCOHOL	42.5	350	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.4	350	ND		UG/KG	1
2-METHYLPHENOL	47.8	350	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.0	350	ND		UG/KG	1
4-METHYLPHENOL	45.6	350	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	48.8	350	ND		UG/KG	1
HEXACHLOROETHANE	52.0	350	ND		UG/KG	1
NITROBENZENE	37.2	350	ND		UG/KG	1
ISOPHORONE	29.7	350	ND		UG/KG	1
2-NITROPHENOL	41.4	350	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.0	350	ND		UG/KG	1
BENZOIC ACID	87.0	350	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.3	350	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.7	350	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.3	350	ND		UG/KG	1
NAPHTHALENE	40.3	350	ND		UG/KG	1
4-CHLOROANILINE	146	350	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.5	350	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.2	350	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.2	350	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.1	350	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.0	350	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.3	350	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.2	350	ND		UG/KG	1
2-NITROANILINE	27.6	350	ND		UG/KG	1
DIMETHYL PHTHALATE	32.9	350	ND		UG/KG	1
ACENAPHTHYLENE	41.4	350	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0102	ARDL Lab No.:	300434-17 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	0955	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/03/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	5.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.0	350	ND		UG/KG	1
3-NITROANILINE	82.8	350	ND		UG/KG	1
ACENAPHTHENE	34.0	350	ND		UG/KG	1
2,4-DINITROPHENOL	31.8	350	ND		UG/KG	1
4-NITROPHENOL	49.9	350	ND		UG/KG	1
DIBENZOFURAN	36.1	350	ND		UG/KG	1
2,4-DINITROTOLUENE	31.8	350	ND		UG/KG	1
DIETHYLPHTHALATE	38.2	350	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.1	350	ND		UG/KG	1
FLUORENE	37.2	350	ND		UG/KG	1
4-NITROANILINE	62.6	350	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	48.8	350	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.4	350	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.2	350	ND		UG/KG	1
PHENANTHRENE	31.8	350	ND		UG/KG	1
HEXACHLOROBENZENE	32.9	350	ND		UG/KG	1
PENTACHLOROPHENOL	59.4	350	ND		UG/KG	1
ANTHRACENE	30.8	350	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.4	350	ND		UG/KG	1
FLUORANTHENE	29.7	350	ND		UG/KG	1
PYRENE	29.7	350	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	31.8	350	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	251	350	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.5	350	ND		UG/KG	1
CHRYSENE	26.5	350	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	32.9	350	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.7	350	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.3	350	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.1	350	ND		UG/KG	1
BENZO(a)PYRENE	30.8	350	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.0	350	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	32.9	350	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0115	ARDL Lab No.:	300434-18
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.3	363	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.1	363	ND		UG/KG	1
2-CHLOROPHENOL	46.2	363	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.5	363	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.2	363	ND		UG/KG	1
BENZYL ALCOHOL	44.0	363	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.5	363	ND		UG/KG	1
2-METHYLPHENOL	49.5	363	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.9	363	ND		UG/KG	1
4-METHYLPHENOL	47.3	363	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.6	363	ND		UG/KG	1
HEXACHLOROETHANE	53.9	363	ND		UG/KG	1
NITROBENZENE	38.5	363	ND		UG/KG	1
ISOPHORONE	30.8	363	ND		UG/KG	1
2-NITROPHENOL	42.9	363	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.3	363	ND		UG/KG	1
BENZOIC ACID	90.2	363	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.8	363	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.4	363	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.8	363	ND		UG/KG	1
NAPHTHALENE	41.8	363	ND		UG/KG	1
4-CHLOROANILINE	152	363	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.1	363	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.6	363	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.6	363	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.4	363	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.3	363	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.7	363	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.5	363	ND		UG/KG	1
2-NITROANILINE	28.6	363	ND		UG/KG	1
DIMETHYL PHTHALATE	34.1	363	ND		UG/KG	1
ACENAPHTHYLENE	42.9	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB09-0115	ARDL Lab No.:	300434-18 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.2	363	ND		UG/KG	1
3-NITROANILINE	85.8	363	ND		UG/KG	1
ACENAPHTHENE	35.2	363	ND		UG/KG	1
2,4-DINITROPHENOL	33.0	363	ND		UG/KG	1
4-NITROPHENOL	51.7	363	ND		UG/KG	1
DIBENZOFURAN	37.4	363	ND		UG/KG	1
2,4-DINITROTOLUENE	33.0	363	ND		UG/KG	1
DIETHYLPHTHALATE	39.6	363	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.4	363	ND		UG/KG	1
FLUORENE	38.5	363	ND		UG/KG	1
4-NITROANILINE	64.9	363	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.6	363	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.9	363	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.5	363	ND		UG/KG	1
PHENANTHRENE	33.0	363	ND		UG/KG	1
HEXACHLOROBENZENE	34.1	363	ND		UG/KG	1
PENTACHLOROPHENOL	61.6	363	ND		UG/KG	1
ANTHRACENE	31.9	363	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.2	363	ND		UG/KG	1
FLUORANTHENE	30.8	363	ND		UG/KG	1
PYRENE	30.8	363	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.0	363	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	260	363	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.4	363	ND		UG/KG	1
CHRYSENE	27.5	363	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.1	363	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.8	363	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.3	363	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.6	363	ND		UG/KG	1
BENZO(a)PYRENE	31.9	363	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.3	363	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.1	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0101	ARDL Lab No.:	300434-12
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1545	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.5	364	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.3	364	ND		UG/KG	1
2-CHLOROPHENOL	46.4	364	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.7	364	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.4	364	ND		UG/KG	1
BENZYL ALCOHOL	44.2	364	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.7	364	ND		UG/KG	1
2-METHYLPHENOL	49.7	364	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.1	364	ND		UG/KG	1
4-METHYLPHENOL	47.5	364	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.8	364	ND		UG/KG	1
HEXACHLOROETHANE	54.1	364	ND		UG/KG	1
NITROBENZENE	38.6	364	ND		UG/KG	1
ISOPHORONE	30.9	364	ND		UG/KG	1
2-NITROPHENOL	43.0	364	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.4	364	ND		UG/KG	1
BENZOIC ACID	90.5	364	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.9	364	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.6	364	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.9	364	ND		UG/KG	1
NAPHTHALENE	41.9	364	ND		UG/KG	1
4-CHLOROANILINE	152	364	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.3	364	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.7	364	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.7	364	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.5	364	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.4	364	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.8	364	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.6	364	ND		UG/KG	1
2-NITROANILINE	28.7	364	ND		UG/KG	1
DIMETHYL PHTHALATE	34.2	364	ND		UG/KG	1
ACENAPHTHYLENE	43.0	364	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0101	ARDL Lab No.:	300434-12 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1545	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.3	364	ND		UG/KG	1
3-NITROANILINE	86.1	364	ND		UG/KG	1
ACENAPHTHENE	35.3	364	ND		UG/KG	1
2,4-DINITROPHENOL	33.1	364	ND		UG/KG	1
4-NITROPHENOL	51.9	364	ND		UG/KG	1
DIBENZOFURAN	37.5	364	ND		UG/KG	1
2,4-DINITROTOLUENE	33.1	364	ND		UG/KG	1
DIETHYLPHTHALATE	39.7	364	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.5	364	ND		UG/KG	1
FLUORENE	38.6	364	ND		UG/KG	1
4-NITROANILINE	65.1	364	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.8	364	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.0	364	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.6	364	ND		UG/KG	1
PHENANTHRENE	33.1	364	ND		UG/KG	1
HEXACHLOROBENZENE	34.2	364	ND		UG/KG	1
PENTACHLOROPHENOL	61.8	364	ND		UG/KG	1
ANTHRACENE	32.0	364	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.3	364	ND		UG/KG	1
FLUORANTHENE	30.9	364	ND		UG/KG	1
PYRENE	30.9	364	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.1	364	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	260	364	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.5	364	ND		UG/KG	1
CHRYSENE	27.6	364	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.2	364	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.9	364	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.5	364	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.8	364	ND		UG/KG	1
BENZO(a)PYRENE	32.0	364	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.4	364	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.2	364	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0106	ARDL Lab No.:	300435-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1605	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.0	368	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.8	368	ND		UG/KG	1
2-CHLOROPHENOL	46.9	368	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.2	368	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.9	368	ND		UG/KG	1
BENZYL ALCOHOL	44.6	368	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.4	368	ND		UG/KG	1
2-METHYLPHENOL	50.2	368	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.7	368	ND		UG/KG	1
4-METHYLPHENOL	48.0	368	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.3	368	ND		UG/KG	1
HEXACHLOROETHANE	54.7	368	ND		UG/KG	1
NITROBENZENE	39.1	368	ND		UG/KG	1
ISOPHORONE	31.3	368	ND		UG/KG	1
2-NITROPHENOL	43.5	368	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.8	368	ND		UG/KG	1
BENZOIC ACID	91.5	368	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.4	368	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.1	368	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.4	368	ND		UG/KG	1
NAPHTHALENE	42.4	368	ND		UG/KG	1
4-CHLOROANILINE	154	368	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.8	368	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.2	368	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.2	368	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.9	368	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.8	368	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.3	368	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	368	ND		UG/KG	1
2-NITROANILINE	29.0	368	ND		UG/KG	1
DIMETHYL PHTHALATE	34.6	368	ND		UG/KG	1
ACENAPHTHYLENE	43.5	368	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0106	ARDL Lab No.:	300435-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1605	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.7	368	ND		UG/KG	1
3-NITROANILINE	87.1	368	ND		UG/KG	1
ACENAPHTHENE	35.7	368	ND		UG/KG	1
2,4-DINITROPHENOL	33.5	368	ND		UG/KG	1
4-NITROPHENOL	52.5	368	ND		UG/KG	1
DIBENZOFURAN	37.9	368	ND		UG/KG	1
2,4-DINITROTOLUENE	33.5	368	ND		UG/KG	1
DIETHYLPHTHALATE	40.2	368	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.9	368	ND		UG/KG	1
FLUORENE	39.1	368	ND		UG/KG	1
4-NITROANILINE	65.8	368	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.3	368	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.5	368	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	368	ND		UG/KG	1
PHENANTHRENE	33.5	368	ND		UG/KG	1
HEXACHLOROBENZENE	34.6	368	ND		UG/KG	1
PENTACHLOROPHENOL	62.5	368	ND		UG/KG	1
ANTHRACENE	32.4	368	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	368	ND		UG/KG	1
FLUORANTHENE	31.3	368	ND		UG/KG	1
PYRENE	31.3	368	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.5	368	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	368	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	368	ND		UG/KG	1
CHRYSENE	27.9	368	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.6	368	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	368	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.2	368	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.7	368	ND		UG/KG	1
BENZO(a)PYRENE	32.4	368	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.8	368	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.6	368	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0110	ARDL Lab No.:	300435-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1615	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.8	367	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.6	367	ND		UG/KG	1
2-CHLOROPHENOL	46.7	367	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.1	367	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.7	367	ND		UG/KG	1
BENZYL ALCOHOL	44.5	367	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.2	367	ND		UG/KG	1
2-METHYLPHENOL	50.1	367	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.5	367	ND		UG/KG	1
4-METHYLPHENOL	47.8	367	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.2	367	ND		UG/KG	1
HEXACHLOROETHANE	54.5	367	ND		UG/KG	1
NITROBENZENE	38.9	367	ND		UG/KG	1
ISOPHORONE	31.1	367	ND		UG/KG	1
2-NITROPHENOL	43.4	367	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.7	367	ND		UG/KG	1
BENZOIC ACID	91.2	367	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.3	367	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.9	367	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.3	367	ND		UG/KG	1
NAPHTHALENE	42.3	367	ND		UG/KG	1
4-CHLOROANILINE	154	367	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.6	367	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.0	367	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.0	367	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.8	367	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.7	367	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.2	367	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.9	367	ND		UG/KG	1
2-NITROANILINE	28.9	367	ND		UG/KG	1
DIMETHYL PHTHALATE	34.5	367	ND		UG/KG	1
ACENAPHTHYLENE	43.4	367	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB10-0110	ARDL Lab No.:	300435-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1615	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.6	367	ND		UG/KG	1
3-NITROANILINE	86.8	367	ND		UG/KG	1
ACENAPHTHENE	35.6	367	ND		UG/KG	1
2,4-DINITROPHENOL	33.4	367	ND		UG/KG	1
4-NITROPHENOL	52.3	367	ND		UG/KG	1
DIBENZOFURAN	37.8	367	ND		UG/KG	1
2,4-DINITROTOLUENE	33.4	367	ND		UG/KG	1
DIETHYLPHTHALATE	40.0	367	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.8	367	ND		UG/KG	1
FLUORENE	38.9	367	ND		UG/KG	1
4-NITROANILINE	65.6	367	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.2	367	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.4	367	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.9	367	ND		UG/KG	1
PHENANTHRENE	33.4	367	ND		UG/KG	1
HEXACHLOROBENZENE	34.5	367	ND		UG/KG	1
PENTACHLOROPHENOL	62.3	367	ND		UG/KG	1
ANTHRACENE	32.3	367	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.5	367	ND		UG/KG	1
FLUORANTHENE	31.1	367	ND		UG/KG	1
PYRENE	31.1	367	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.4	367	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	367	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.7	367	ND		UG/KG	1
CHRYSENE	27.8	367	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.5	367	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.1	367	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.0	367	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.4	367	ND		UG/KG	1
BENZO(a)PYRENE	32.3	367	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.7	367	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.5	367	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0101	ARDL Lab No.:	300435-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	4.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	225	1720	ND		UG/KG	5
BIS(-2-CHLOROETHYL)ETHER	214	1720	ND		UG/KG	5
2-CHLOROPHENOL	219	1720	ND		UG/KG	5
1,3-DICHLOROBENZENE	235	1720	ND		UG/KG	5
1,4-DICHLOROBENZENE	219	1720	ND		UG/KG	5
BENZYL ALCOHOL	209	1720	ND		UG/KG	5
1,2-DICHLOROBENZENE	287	1720	ND		UG/KG	5
2-METHYLPHENOL	235	1720	ND		UG/KG	5
2,2'-OXYBIS(1-CHLOROPROPANE)	256	1720	ND		UG/KG	5
4-METHYLPHENOL	225	1720	ND		UG/KG	5
N-NITROSO-DI-N-PROPYLAMINE	240	1720	ND		UG/KG	5
HEXACHLOROETHANE	256	1720	ND		UG/KG	5
NITROBENZENE	183	1720	ND		UG/KG	5
ISOPHORONE	146	1720	ND		UG/KG	5
2-NITROPHENOL	204	1720	ND		UG/KG	5
2,4-DIMETHYLPHENOL	172	1720	ND		UG/KG	5
BENZOIC ACID	428	1720	ND		UG/KG	5
BIS(-2-CHLOROETHOXY)METHANE	199	1720	ND		UG/KG	5
2,4-DICHLOROPHENOL	230	1720	ND		UG/KG	5
1,2,4-TRICHLOROBENZENE	199	1720	ND		UG/KG	5
NAPHTHALENE	199	1720	ND		UG/KG	5
4-CHLOROANILINE	721	1720	ND		UG/KG	5
HEXACHLOROBUTADIENE	214	1720	ND		UG/KG	5
4-CHLORO-3-METHYLPHENOL	188	1720	ND		UG/KG	5
2-METHYLNAPHTHALENE	188	1720	ND		UG/KG	5
HEXACHLOROCYCLOPENTADIENE	178	1720	ND		UG/KG	5
2,4,6-TRICHLOROPHENOL	172	1720	ND		UG/KG	5
2,4,5-TRICHLOROPHENOL	193	1720	ND		UG/KG	5
2-CHLORONAPHTHALENE	183	1720	ND		UG/KG	5
2-NITROANILINE	136	1720	ND		UG/KG	5
DIMETHYL PHTHALATE	162	1720	ND		UG/KG	5
ACENAPHTHYLENE	204	1720	ND		UG/KG	5

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0101	ARDL Lab No.:	300435-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0935	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	4.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	167	1720	ND		UG/KG	5
3-NITROANILINE	408	1720	ND		UG/KG	5
ACENAPHTHENE	167	1720	ND		UG/KG	5
2,4-DINITROPHENOL	157	1720	ND		UG/KG	5
4-NITROPHENOL	246	1720	ND		UG/KG	5
DIBENZOFURAN	178	1720	ND		UG/KG	5
2,4-DINITROTOLUENE	157	1720	ND		UG/KG	5
DIETHYLPHTHALATE	188	1720	ND		UG/KG	5
4-CHLOROPHENYL-PHENYLETHER	178	1720	ND		UG/KG	5
FLUORENE	183	1720	ND		UG/KG	5
4-NITROANILINE	308	1720	ND		UG/KG	5
4,6-DINITRO-2-METHYLPHENOL	240	1720	ND		UG/KG	5
N-NITROSODIPHENYLAMINE	204	1720	ND		UG/KG	5
4-BROMOPHENYL-PHENYLETHER	183	1720	ND		UG/KG	5
PHENANTHRENE	157	1720	559	J	UG/KG	5
HEXACHLOROBENZENE	162	1720	ND		UG/KG	5
PENTACHLOROPHENOL	293	1720	ND		UG/KG	5
ANTHRACENE	152	1720	ND		UG/KG	5
DI-N-BUTYLPHTHALATE	115	1720	ND		UG/KG	5
FLUORANTHENE	146	1720	1230	J	UG/KG	5
PYRENE	146	1720	1340	J	UG/KG	5
BUTYLBENZYLPHTHALATE	157	1720	ND		UG/KG	5
3,3'-DICHLOROBENZIDINE	1230	1720	ND		UG/KG	5
BENZO(a)ANTHRACENE	125	1720	565	J	UG/KG	5
CHRYSENE	131	1720	688	J	UG/KG	5
BIS(2-ETHYLHEXYL)PHTHALATE	162	1720	ND		UG/KG	5
DI-N-OCTYL PHTHALATE	146	1720	ND		UG/KG	5
BENZO(b)FLUORANTHENE	277	1720	895	J	UG/KG	5
BENZO(k)FLUORANTHENE	345	1720	636	J	UG/KG	5
BENZO(a)PYRENE	152	1720	750	J	UG/KG	5
INDENO(1,2,3-cd)PYRENE	172	1720	224	J	UG/KG	5
DIBENZO(a,h)ANTHRACENE	162	1720	ND		UG/KG	5

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Lab Report No: 300435 Report Date: 03/24/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0107	ARDL Lab No.:	300435-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.6	373	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.3	373	ND		UG/KG	1
2-CHLOROPHENOL	47.5	373	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.8	373	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.5	373	ND		UG/KG	1
BENZYL ALCOHOL	45.2	373	ND		UG/KG	1
[illegible]-DICHLOROBENZENE	62.1	373	ND		UG/KG	1
2-METHYLPHENOL	50.8	373	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.4	373	ND		UG/KG	1
4-METHYLPHENOL	48.6	373	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.0	373	ND		UG/KG	1
HEXACHLOROETHANE	55.4	373	ND		UG/KG	1
NITROBENZENE	39.5	373	ND		UG/KG	1
ISOPHORONE	31.6	373	ND		UG/KG	1
2-NITROPHENOL	44.1	373	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.3	373	ND		UG/KG	1
BENZOIC ACID	92.7	373	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.9	373	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.7	373	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.9	373	ND		UG/KG	1
NAPHTHALENE	42.9	373	ND		UG/KG	1
4-CHLOROANILINE	156	373	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.3	373	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.7	373	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.7	373	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.4	373	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.3	373	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.8	373	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.5	373	ND		UG/KG	1
2-NITROANILINE	29.4	373	ND		UG/KG	1
DIMETHYL PHTHALATE	35.0	373	ND		UG/KG	1
[illegible]APHTHYLENE	44.1	373	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/24/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0107	ARDL Lab No.:	300435-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	0945	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.2	373	ND		UG/KG	1
3-NITROANILINE	88.1	373	ND		UG/KG	1
ACENAPHTHENE	36.2	373	ND		UG/KG	1
2,4-DINITROPHENOL	33.9	373	ND		UG/KG	1
4-NITROPHENOL	53.1	373	ND		UG/KG	1
DIBENZOFURAN	38.4	373	ND		UG/KG	1
2,4-DINITROTOLUENE	33.9	373	ND		UG/KG	1
DIETHYLPHTHALATE	40.7	373	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.4	373	ND		UG/KG	1
FLUORENE	39.5	373	ND		UG/KG	1
4-NITROANILINE	66.7	373	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.0	373	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.1	373	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.5	373	ND		UG/KG	1
PHENANTHRENE	33.9	373	ND		UG/KG	1
HEXACHLOROBENZENE	35.0	373	ND		UG/KG	1
PENTACHLOROPHENOL	63.3	373	ND		UG/KG	1
ANTHRACENE	32.8	373	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	373	ND		UG/KG	1
FLUORANTHENE	31.6	373	ND		UG/KG	1
PYRENE	31.6	373	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.9	373	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	267	373	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.1	373	ND		UG/KG	1
CHRYSENE	28.2	373	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.0	373	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.6	373	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.9	373	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.6	373	ND		UG/KG	1
BENZO(a)PYRENE	32.8	373	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.3	373	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.0	373	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0117	ARDL Lab No.:	300435-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	9.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.6	365	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.4	365	ND		UG/KG	1
2-CHLOROPHENOL	46.5	365	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.8	365	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.5	365	ND		UG/KG	1
BENZYL ALCOHOL	44.2	365	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.8	365	ND		UG/KG	1
2-METHYLPHENOL	49.8	365	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.2	365	ND		UG/KG	1
4-METHYLPHENOL	47.6	365	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.9	365	ND		UG/KG	1
HEXACHLOROETHANE	54.2	365	ND		UG/KG	1
NITROBENZENE	38.7	365	ND		UG/KG	1
ISOPHORONE	31.0	365	ND		UG/KG	1
2-NITROPHENOL	43.1	365	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.5	365	ND		UG/KG	1
BENZOIC ACID	90.7	365	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.0	365	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.7	365	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.0	365	ND		UG/KG	1
NAPHTHALENE	42.0	365	ND		UG/KG	1
4-CHLOROANILINE	153	365	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.4	365	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.8	365	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.8	365	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.6	365	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.5	365	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.9	365	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.7	365	ND		UG/KG	1
2-NITROANILINE	28.8	365	ND		UG/KG	1
DIMETHYL PHTHALATE	34.3	365	ND		UG/KG	1
ACENAPHTHYLENE	43.1	365	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB11-0117	ARDL Lab No.:	300435-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1000	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	9.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.4	365	ND		UG/KG	1
3-NITROANILINE	86.3	365	ND		UG/KG	1
ACENAPHTHENE	35.4	365	ND		UG/KG	1
2,4-DINITROPHENOL	33.2	365	ND		UG/KG	1
4-NITROPHENOL	52.0	365	ND		UG/KG	1
DIBENZOFURAN	37.6	365	ND		UG/KG	1
2,4-DINITROTOLUENE	33.2	365	ND		UG/KG	1
DIETHYLPHTHALATE	39.8	365	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.6	365	ND		UG/KG	1
FLUORENE	38.7	365	ND		UG/KG	1
4-NITROANILINE	65.3	365	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.9	365	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.1	365	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.7	365	ND		UG/KG	1
PHENANTHRENE	33.2	365	ND		UG/KG	1
HEXACHLOROBENZENE	34.3	365	ND		UG/KG	1
PENTACHLOROPHENOL	61.9	365	ND		UG/KG	1
ANTHRACENE	32.1	365	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.3	365	ND		UG/KG	1
FLUORANTHENE	31.0	365	ND		UG/KG	1
PYRENE	31.0	365	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.2	365	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	261	365	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.5	365	ND		UG/KG	1
CHRYSENE	27.7	365	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.3	365	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.0	365	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.6	365	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.0	365	ND		UG/KG	1
BENZO(a)PYRENE	32.1	365	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.5	365	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.3	365	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0101	ARDL Lab No.:	300435-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	12.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.0	376	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.7	376	ND		UG/KG	1
2-CHLOROPHENOL	47.8	376	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.3	376	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.8	376	ND		UG/KG	1
BENZYL ALCOHOL	45.6	376	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.6	376	ND		UG/KG	1
2-METHYLPHENOL	51.3	376	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.8	376	ND		UG/KG	1
4-METHYLPHENOL	49.0	376	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.4	376	ND		UG/KG	1
HEXACHLOROETHANE	55.8	376	ND		UG/KG	1
NITROBENZENE	39.9	376	ND		UG/KG	1
ISOPHORONE	31.9	376	ND		UG/KG	1
2-NITROPHENOL	44.4	376	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.6	376	ND		UG/KG	1
BENZOIC ACID	93.4	376	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.3	376	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.1	376	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.3	376	ND		UG/KG	1
NAPHTHALENE	43.3	376	ND		UG/KG	1
4-CHLOROANILINE	157	376	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.7	376	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.0	376	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.0	376	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.7	376	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.6	376	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.1	376	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.9	376	ND		UG/KG	1
2-NITROANILINE	29.6	376	ND		UG/KG	1
DIMETHYL PHTHALATE	35.3	376	ND		UG/KG	1
ACENAPHTHYLENE	44.4	376	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0101	ARDL Lab No.:	300435-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1145	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	12.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.4	376	ND		UG/KG	1
3-NITROANILINE	88.8	376	ND		UG/KG	1
ACENAPHTHENE	36.4	376	ND		UG/KG	1
2,4-DINITROPHENOL	34.2	376	ND		UG/KG	1
4-NITROPHENOL	53.5	376	ND		UG/KG	1
DIBENZOFURAN	38.7	376	ND		UG/KG	1
2,4-DINITROTOLUENE	34.2	376	ND		UG/KG	1
DIETHYLPHTHALATE	41.0	376	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.7	376	ND		UG/KG	1
FLUORENE	39.9	376	ND		UG/KG	1
4-NITROANILINE	67.2	376	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.4	376	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.4	376	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.9	376	ND		UG/KG	1
PHENANTHRENE	34.2	376	ND		UG/KG	1
HEXACHLOROBENZENE	35.3	376	ND		UG/KG	1
PENTACHLOROPHENOL	63.8	376	ND		UG/KG	1
ANTHRACENE	33.0	376	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.1	376	ND		UG/KG	1
FLUORANTHENE	31.9	376	ND		UG/KG	1
PYRENE	31.9	376	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.2	376	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	269	376	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.3	376	ND		UG/KG	1
CHRYSENE	28.5	376	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.3	376	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.9	376	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.4	376	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.2	376	ND		UG/KG	1
BENZO(a)PYRENE	33.0	376	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.6	376	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.3	376	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0102	ARDL Lab No.:	300435-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1200	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.1	361	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.9	361	ND		UG/KG	1
2-CHLOROPHENOL	46.0	361	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.3	361	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.0	361	ND		UG/KG	1
BENZYL ALCOHOL	43.8	361	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.2	361	ND		UG/KG	1
2-METHYLPHENOL	49.3	361	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.7	361	ND		UG/KG	1
4-METHYLPHENOL	47.1	361	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.4	361	ND		UG/KG	1
HEXACHLOROETHANE	53.7	361	ND		UG/KG	1
NITROBENZENE	38.3	361	ND		UG/KG	1
ISOPHORONE	30.7	361	ND		UG/KG	1
2-NITROPHENOL	42.7	361	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.1	361	ND		UG/KG	1
BENZOIC ACID	89.8	361	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.6	361	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.2	361	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.6	361	ND		UG/KG	1
NAPHTHALENE	41.6	361	ND		UG/KG	1
4-CHLOROANILINE	151	361	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.9	361	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.4	361	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.4	361	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.2	361	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.1	361	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.5	361	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.3	361	ND		UG/KG	1
2-NITROANILINE	28.5	361	ND		UG/KG	1
DIMETHYL PHTHALATE	34.0	361	ND		UG/KG	1
ACENAPHTHYLENE	42.7	361	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0102	ARDL Lab No.:	300435-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1200	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.0	361	ND		UG/KG	1
3-NITROANILINE	85.4	361	ND		UG/KG	1
ACENAPHTHENE	35.0	361	ND		UG/KG	1
2,4-DINITROPHENOL	32.9	361	ND		UG/KG	1
4-NITROPHENOL	51.5	361	ND		UG/KG	1
DIBENZOFURAN	37.2	361	ND		UG/KG	1
2,4-DINITROTOLUENE	32.9	361	ND		UG/KG	1
DIETHYLPHTHALATE	39.4	361	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.2	361	ND		UG/KG	1
FLUORENE	38.3	361	ND		UG/KG	1
4-NITROANILINE	64.6	361	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.4	361	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.7	361	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.3	361	ND		UG/KG	1
PHENANTHRENE	32.9	361	ND		UG/KG	1
HEXACHLOROBENZENE	34.0	361	ND		UG/KG	1
PENTACHLOROPHENOL	61.3	361	ND		UG/KG	1
ANTHRACENE	31.8	361	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.1	361	ND		UG/KG	1
FLUORANTHENE	30.7	361	ND		UG/KG	1
PYRENE	30.7	361	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.9	361	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	258	361	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.3	361	ND		UG/KG	1
CHRYSENE	27.4	361	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.0	361	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.7	361	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.1	361	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.3	361	ND		UG/KG	1
BENZO(a)PYRENE	31.8	361	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.1	361	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.0	361	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0110	ARDL Lab No.:	300435-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1215	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.3	378	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.0	378	ND		UG/KG	1
2-CHLOROPHENOL	48.1	378	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.5	378	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.1	378	ND		UG/KG	1
BENZYL ALCOHOL	45.8	378	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.0	378	ND		UG/KG	1
2-METHYLPHENOL	51.5	378	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.1	378	ND		UG/KG	1
4-METHYLPHENOL	49.3	378	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.7	378	ND		UG/KG	1
HEXACHLOROETHANE	56.1	378	ND		UG/KG	1
NITROBENZENE	40.1	378	ND		UG/KG	1
ISOPHORONE	32.1	378	ND		UG/KG	1
2-NITROPHENOL	44.7	378	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.8	378	ND		UG/KG	1
BENZOIC ACID	93.9	378	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.5	378	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.4	378	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.5	378	ND		UG/KG	1
NAPHTHALENE	43.5	378	ND		UG/KG	1
4-CHLOROANILINE	158	378	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.0	378	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.2	378	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.2	378	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.9	378	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.8	378	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.4	378	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.1	378	ND		UG/KG	1
2-NITROANILINE	29.8	378	ND		UG/KG	1
DIMETHYL PHTHALATE	35.5	378	ND		UG/KG	1
ACENAPHTHYLENE	44.7	378	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0110	ARDL Lab No.:	300435-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1215	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.7	378	ND		UG/KG	1
3-NITROANILINE	89.3	378	ND		UG/KG	1
ACENAPHTHENE	36.7	378	ND		UG/KG	1
2,4-DINITROPHENOL	34.4	378	ND		UG/KG	1
4-NITROPHENOL	53.8	378	ND		UG/KG	1
DIBENZOFURAN	38.9	378	ND		UG/KG	1
2,4-DINITROTOLUENE	34.4	378	ND		UG/KG	1
DIETHYLPHTHALATE	41.2	378	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.9	378	ND		UG/KG	1
FLUORENE	40.1	378	ND		UG/KG	1
4-NITROANILINE	67.6	378	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.7	378	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.7	378	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.1	378	ND		UG/KG	1
PHENANTHRENE	34.4	378	ND		UG/KG	1
HEXACHLOROBENZENE	35.5	378	ND		UG/KG	1
PENTACHLOROPHENOL	64.1	378	ND		UG/KG	1
ANTHRACENE	33.2	378	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.2	378	ND		UG/KG	1
FLUORANTHENE	32.1	378	ND		UG/KG	1
PYRENE	32.1	378	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.4	378	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	270	378	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.5	378	ND		UG/KG	1
CHRYSENE	28.6	378	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.5	378	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.1	378	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.7	378	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.6	378	ND		UG/KG	1
BENZO(a)PYRENE	33.2	378	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.8	378	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.5	378	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0121	ARDL Lab No.:	300435-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.8	367	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.6	367	ND		UG/KG	1
2-CHLOROPHENOL	46.7	367	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.0	367	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.7	367	ND		UG/KG	1
BENZYL ALCOHOL	44.4	367	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.1	367	ND		UG/KG	1
2-METHYLPHENOL	50.0	367	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.4	367	ND		UG/KG	1
4-METHYLPHENOL	47.8	367	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.1	367	ND		UG/KG	1
HEXACHLOROETHANE	54.4	367	ND		UG/KG	1
NITROBENZENE	38.9	367	ND		UG/KG	1
ISOPHORONE	31.1	367	ND		UG/KG	1
2-NITROPHENOL	43.3	367	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.7	367	ND		UG/KG	1
BENZOIC ACID	91.1	367	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.2	367	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.9	367	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.2	367	ND		UG/KG	1
NAPHTHALENE	42.2	367	ND		UG/KG	1
4-CHLOROANILINE	153	367	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.6	367	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.0	367	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.0	367	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.8	367	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.7	367	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.1	367	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.9	367	ND		UG/KG	1
2-NITROANILINE	28.9	367	ND		UG/KG	1
DIMETHYL PHTHALATE	34.4	367	ND		UG/KG	1
ACENAPHTHYLENE	43.3	367	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0121	ARDL Lab No.:	300435-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	10	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.6	367	ND		UG/KG	1
3-NITROANILINE	86.7	367	ND		UG/KG	1
ACENAPHTHENE	35.6	367	ND		UG/KG	1
2,4-DINITROPHENOL	33.3	367	ND		UG/KG	1
4-NITROPHENOL	52.2	367	ND		UG/KG	1
DIBENZOFURAN	37.8	367	ND		UG/KG	1
2,4-DINITROTOLUENE	33.3	367	ND		UG/KG	1
DIETHYLPHTHALATE	40.0	367	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.8	367	ND		UG/KG	1
FLUORENE	38.9	367	ND		UG/KG	1
4-NITROANILINE	65.6	367	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.1	367	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.3	367	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.9	367	ND		UG/KG	1
PHENANTHRENE	33.3	367	ND		UG/KG	1
HEXACHLOROBENZENE	34.4	367	ND		UG/KG	1
PENTACHLOROPHENOL	62.2	367	ND		UG/KG	1
ANTHRACENE	32.2	367	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.4	367	ND		UG/KG	1
FLUORANTHENE	31.1	367	ND		UG/KG	1
PYRENE	31.1	367	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.3	367	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	262	367	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.7	367	ND		UG/KG	1
CHRYSENE	27.8	367	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.4	367	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.1	367	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.9	367	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.3	367	ND		UG/KG	1
BENZO(a)PYRENE	32.2	367	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.7	367	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.4	367	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0130	ARDL Lab No.:	300435-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1440	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.8	374	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.5	374	ND		UG/KG	1
2-CHLOROPHENOL	47.6	374	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.0	374	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.6	374	ND		UG/KG	1
BENZYL ALCOHOL	45.4	374	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.4	374	ND		UG/KG	1
2-METHYLPHENOL	51.0	374	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.6	374	ND		UG/KG	1
4-METHYLPHENOL	48.8	374	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.2	374	ND		UG/KG	1
HEXACHLOROETHANE	55.6	374	ND		UG/KG	1
NITROBENZENE	39.7	374	ND		UG/KG	1
ISOPHORONE	31.7	374	ND		UG/KG	1
2-NITROPHENOL	44.2	374	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.4	374	ND		UG/KG	1
BENZOIC ACID	93.0	374	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.1	374	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.9	374	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.1	374	ND		UG/KG	1
NAPHTHALENE	43.1	374	ND		UG/KG	1
4-CHLOROANILINE	156	374	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.5	374	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.8	374	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.8	374	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.5	374	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.4	374	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.0	374	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.7	374	ND		UG/KG	1
2-NITROANILINE	29.5	374	ND		UG/KG	1
DIMETHYL PHTHALATE	35.1	374	ND		UG/KG	1
ACENAPHTHYLENE	44.2	374	ND		UG/KG	1

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Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB12-0130	ARDL Lab No.:	300435-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/22/1997	Received Date:	02/26/1997
Sample Time:	1440	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.3	374	ND		UG/KG	1
3-NITROANILINE	88.4	374	ND		UG/KG	1
ACENAPHTHENE	36.3	374	ND		UG/KG	1
2,4-DINITROPHENOL	34.0	374	ND		UG/KG	1
4-NITROPHENOL	53.3	374	ND		UG/KG	1
DIBENZOFURAN	38.5	374	ND		UG/KG	1
2,4-DINITROTOLUENE	34.0	374	ND		UG/KG	1
DIETHYLPHTHALATE	40.8	374	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.5	374	ND		UG/KG	1
FLUORENE	39.7	374	ND		UG/KG	1
4-NITROANILINE	66.9	374	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.2	374	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.2	374	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.7	374	ND		UG/KG	1
PHENANTHRENE	34.0	374	ND		UG/KG	1
HEXACHLOROBENZENE	35.1	374	ND		UG/KG	1
PENTACHLOROPHENOL	63.5	374	ND		UG/KG	1
ANTHRACENE	32.9	374	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	374	ND		UG/KG	1
FLUORANTHENE	31.7	374	ND		UG/KG	1
PYRENE	31.7	374	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.0	374	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	268	374	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.2	374	ND		UG/KG	1
CHRYSENE	28.3	374	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.1	374	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.7	374	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.1	374	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.8	374	ND		UG/KG	1
BENZO(a)PYRENE	32.9	374	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.4	374	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.1	374	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0101	ARDL Lab No.:	300434-20
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1110	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	7.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.5	357	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.4	357	ND		UG/KG	1
2-CHLOROPHENOL	45.5	357	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.7	357	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.5	357	ND		UG/KG	1
BENZYL ALCOHOL	43.3	357	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.5	357	ND		UG/KG	1
2-METHYLPHENOL	48.7	357	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.0	357	ND		UG/KG	1
4-METHYLPHENOL	46.5	357	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.8	357	ND		UG/KG	1
HEXACHLOROETHANE	53.0	357	ND		UG/KG	1
NITROBENZENE	37.9	357	ND		UG/KG	1
ISOPHORONE	30.3	357	ND		UG/KG	1
2-NITROPHENOL	42.2	357	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.7	357	ND		UG/KG	1
BENZOIC ACID	88.7	357	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.1	357	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.6	357	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.1	357	ND		UG/KG	1
NAPHTHALENE	41.1	357	ND		UG/KG	1
4-CHLOROANILINE	149	357	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.4	357	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.0	357	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.0	357	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.8	357	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.7	357	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.0	357	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.9	357	ND		UG/KG	1
2-NITROANILINE	28.1	357	ND		UG/KG	1
DIMETHYL PHTHALATE	33.5	357	ND		UG/KG	1
ACENAPHTHYLENE	42.2	357	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0101	ARDL Lab No.:	300434-20 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1110	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/04/1997
Amount Used:	30 g	QC Batch:	B2063
% Moisture:	7.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.6	357	ND		UG/KG	1
3-NITROANILINE	84.4	357	ND		UG/KG	1
ACENAPHTHENE	34.6	357	ND		UG/KG	1
2,4-DINITROPHENOL	32.5	357	ND		UG/KG	1
4-NITROPHENOL	50.9	357	ND		UG/KG	1
DIBENZOFURAN	36.8	357	ND		UG/KG	1
2,4-DINITROTOLUENE	32.5	357	ND		UG/KG	1
DIETHYLPHTHALATE	39.0	357	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.8	357	ND		UG/KG	1
FLUORENE	37.9	357	ND		UG/KG	1
4-NITROANILINE	63.9	357	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.8	357	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.2	357	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.9	357	ND		UG/KG	1
PHENANTHRENE	32.5	357	ND		UG/KG	1
HEXACHLOROBENZENE	33.5	357	ND		UG/KG	1
PENTACHLOROPHENOL	60.6	357	ND		UG/KG	1
ANTHRACENE	31.4	357	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.8	357	ND		UG/KG	1
FLUORANTHENE	30.3	357	ND		UG/KG	1
PYRENE	30.3	357	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.5	357	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	255	357	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.0	357	ND		UG/KG	1
CHRYSENE	27.1	357	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.5	357	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.3	357	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.4	357	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.4	357	ND		UG/KG	1
BENZO(a)PYRENE	31.4	357	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.7	357	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.5	357	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0104	ARDL Lab No.:	300434-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	5.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.4	348	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.3	348	ND		UG/KG	1
2-CHLOROPHENOL	44.4	348	ND		UG/KG	1
1,3-DICHLOROBENZENE	47.5	348	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.4	348	ND		UG/KG	1
BENZYL ALCOHOL	42.2	348	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.1	348	ND		UG/KG	1
2-METHYLPHENOL	47.5	348	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	51.7	348	ND		UG/KG	1
4-METHYLPHENOL	45.4	348	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	48.6	348	ND		UG/KG	1
HEXACHLOROETHANE	51.7	348	ND		UG/KG	1
NITROBENZENE	37.0	348	ND		UG/KG	1
ISOPHORONE	29.6	348	ND		UG/KG	1
2-NITROPHENOL	41.2	348	ND		UG/KG	1
2,4-DIMETHYLPHENOL	34.8	348	ND		UG/KG	1
BENZOIC ACID	86.6	348	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.1	348	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.5	348	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.1	348	ND		UG/KG	1
NAPHTHALENE	40.1	348	ND		UG/KG	1
4-CHLOROANILINE	146	348	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.3	348	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.0	348	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.0	348	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	35.9	348	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	34.8	348	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.1	348	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.0	348	ND		UG/KG	1
2-NITROANILINE	27.5	348	ND		UG/KG	1
DIMETHYL PHTHALATE	32.7	348	ND		UG/KG	1
ACENAPHTHYLENE	41.2	348	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0104	ARDL Lab No.:	300434-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1115	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	5.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	33.8	348	ND		UG/KG	1
3-NITROANILINE	82.4	348	ND		UG/KG	1
ACENAPHTHENE	33.8	348	ND		UG/KG	1
2,4-DINITROPHENOL	31.7	348	ND		UG/KG	1
4-NITROPHENOL	49.6	348	ND		UG/KG	1
DIBENZOFURAN	35.9	348	ND		UG/KG	1
2,4-DINITROTOLUENE	31.7	348	ND		UG/KG	1
DIETHYLPHTHALATE	38.0	348	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	35.9	348	ND		UG/KG	1
FLUORENE	37.0	348	ND		UG/KG	1
4-NITROANILINE	62.3	348	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	48.6	348	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.2	348	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.0	348	ND		UG/KG	1
PHENANTHRENE	31.7	348	ND		UG/KG	1
HEXACHLOROBENZENE	32.7	348	ND		UG/KG	1
PENTACHLOROPHENOL	59.1	348	ND		UG/KG	1
ANTHRACENE	30.6	348	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.2	348	719	B	UG/KG	1
FLUORANTHENE	29.6	348	ND		UG/KG	1
PYRENE	29.6	348	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	31.7	348	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	249	348	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.3	348	ND		UG/KG	1
CHRYSENE	26.4	348	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	32.7	348	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.6	348	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.0	348	ND		UG/KG	1
BENZO(k)FLUORANTHENE	69.7	348	ND		UG/KG	1
BENZO(a)PYRENE	30.6	348	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	34.8	348	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	32.7	348	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0115	ARDL Lab No.:	300434-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1125	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.4	356	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.2	356	ND		UG/KG	1
2-CHLOROPHENOL	45.3	356	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.5	356	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.3	356	ND		UG/KG	1
BENZYL ALCOHOL	43.1	356	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.3	356	ND		UG/KG	1
2-METHYLPHENOL	48.5	356	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.9	356	ND		UG/KG	1
4-METHYLPHENOL	46.4	356	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.6	356	ND		UG/KG	1
HEXACHLOROETHANE	52.9	356	ND		UG/KG	1
NITROBENZENE	37.8	356	ND		UG/KG	1
ISOPHORONE	30.2	356	ND		UG/KG	1
2-NITROPHENOL	42.1	356	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.6	356	ND		UG/KG	1
BENZOIC ACID	88.5	356	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.0	356	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.5	356	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.0	356	ND		UG/KG	1
NAPHTHALENE	41.0	356	ND		UG/KG	1
4-CHLOROANILINE	149	356	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.2	356	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.8	356	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.8	356	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.7	356	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.6	356	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.9	356	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.8	356	ND		UG/KG	1
2-NITROANILINE	28.0	356	ND		UG/KG	1
DIMETHYL PHTHALATE	33.4	356	ND		UG/KG	1
ACENAPHTHYLENE	42.1	356	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB13-0115	ARDL Lab No.:	300434-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1125	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.5	356	ND		UG/KG	1
3-NITROANILINE	84.1	356	ND		UG/KG	1
ACENAPHTHENE	34.5	356	ND		UG/KG	1
2,4-DINITROPHENOL	32.4	356	ND		UG/KG	1
4-NITROPHENOL	50.7	356	ND		UG/KG	1
DIBENZOFURAN	36.7	356	ND		UG/KG	1
2,4-DINITROTOLUENE	32.4	356	ND		UG/KG	1
DIETHYLPHTHALATE	38.8	356	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.7	356	ND		UG/KG	1
FLUORENE	37.8	356	ND		UG/KG	1
4-NITROANILINE	63.6	356	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.6	356	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.1	356	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.8	356	ND		UG/KG	1
PHENANTHRENE	32.4	356	ND		UG/KG	1
HEXACHLOROBENZENE	33.4	356	ND		UG/KG	1
PENTACHLOROPHENOL	60.4	356	ND		UG/KG	1
ANTHRACENE	31.3	356	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.7	356	ND		UG/KG	1
FLUORANTHENE	30.2	356	ND		UG/KG	1
PYRENE	30.2	356	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.4	356	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	255	356	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.9	356	ND		UG/KG	1
CHRYSENE	27.0	356	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.4	356	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.2	356	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.2	356	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.2	356	ND		UG/KG	1
BENZO(a)PYRENE	31.3	356	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.6	356	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.4	356	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0101	ARDL Lab No.:	300434-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1620	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	5.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.5	349	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.4	349	ND		UG/KG	1
2-CHLOROPHENOL	44.4	349	ND		UG/KG	1
1,3-DICHLOROBENZENE	47.6	349	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.4	349	ND		UG/KG	1
BENZYL ALCOHOL	42.3	349	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.2	349	ND		UG/KG	1
2-METHYLPHENOL	47.6	349	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	51.9	349	ND		UG/KG	1
4-METHYLPHENOL	45.5	349	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	48.7	349	ND		UG/KG	1
HEXACHLOROETHANE	51.9	349	ND		UG/KG	1
NITROBENZENE	37.0	349	ND		UG/KG	1
ISOPHORONE	29.6	349	ND		UG/KG	1
2-NITROPHENOL	41.3	349	ND		UG/KG	1
2,4-DIMETHYLPHENOL	34.9	349	ND		UG/KG	1
BENZOIC ACID	86.8	349	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.2	349	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.6	349	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.2	349	ND		UG/KG	1
NAPHTHALENE	40.2	349	ND		UG/KG	1
4-CHLOROANILINE	146	349	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.4	349	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.1	349	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.1	349	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.0	349	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	34.9	349	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.2	349	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.0	349	ND		UG/KG	1
2-NITROANILINE	27.5	349	ND		UG/KG	1
DIMETHYL PHTHALATE	32.8	349	ND		UG/KG	1
ACENAPHTHYLENE	41.3	349	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0101	ARDL Lab No.:	300434-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1620	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	5.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	33.9	349	ND		UG/KG	1
3-NITROANILINE	82.5	349	ND		UG/KG	1
ACENAPHTHENE	33.9	349	ND		UG/KG	1
2,4-DINITROPHENOL	31.7	349	ND		UG/KG	1
4-NITROPHENOL	49.7	349	ND		UG/KG	1
DIBENZOFURAN	36.0	349	ND		UG/KG	1
2,4-DINITROTOLUENE	31.7	349	ND		UG/KG	1
DIETHYLPHTHALATE	38.1	349	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.0	349	ND		UG/KG	1
FLUORENE	37.0	349	ND		UG/KG	1
4-NITROANILINE	62.4	349	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	48.7	349	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.3	349	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.0	349	ND		UG/KG	1
PHENANTHRENE	31.7	349	ND		UG/KG	1
HEXACHLOROBENZENE	32.8	349	ND		UG/KG	1
PENTACHLOROPHENOL	59.3	349	ND		UG/KG	1
ANTHRACENE	30.7	349	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.3	349	ND		UG/KG	1
FLUORANTHENE	29.6	349	ND		UG/KG	1
PYRENE	29.6	349	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	31.7	349	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	250	349	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.4	349	ND		UG/KG	1
CHRYSENE	26.5	349	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	32.8	349	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.6	349	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.1	349	ND		UG/KG	1
BENZO(k)FLUORANTHENE	69.8	349	ND		UG/KG	1
BENZO(a)PYRENE	30.7	349	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	34.9	349	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	32.8	349	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0102	ARDL Lab No.:	300434-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1630	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.3	363	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.1	363	ND		UG/KG	1
2-CHLOROPHENOL	46.2	363	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.5	363	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.2	363	ND		UG/KG	1
BENZYL ALCOHOL	44.0	363	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.5	363	ND		UG/KG	1
2-METHYLPHENOL	49.5	363	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.9	363	ND		UG/KG	1
4-METHYLPHENOL	47.3	363	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.6	363	ND		UG/KG	1
HEXACHLOROETHANE	53.9	363	ND		UG/KG	1
NITROBENZENE	38.5	363	ND		UG/KG	1
ISOPHORONE	30.8	363	ND		UG/KG	1
2-NITROPHENOL	42.9	363	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.3	363	ND		UG/KG	1
BENZOIC ACID	90.2	363	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.8	363	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.4	363	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.8	363	ND		UG/KG	1
NAPHTHALENE	41.8	363	ND		UG/KG	1
4-CHLOROANILINE	152	363	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.1	363	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.6	363	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.6	363	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.4	363	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.3	363	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.7	363	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.5	363	ND		UG/KG	1
2-NITROANILINE	28.6	363	ND		UG/KG	1
DIMETHYL PHTHALATE	34.1	363	ND		UG/KG	1
ACENAPHTHYLENE	42.9	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0102	ARDL Lab No.:	300434-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1630	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.2	363	ND		UG/KG	1
3-NITROANILINE	85.8	363	ND		UG/KG	1
ACENAPHTHENE	35.2	363	ND		UG/KG	1
2,4-DINITROPHENOL	33.0	363	ND		UG/KG	1
4-NITROPHENOL	51.7	363	ND		UG/KG	1
DIBENZOFURAN	37.4	363	ND		UG/KG	1
2,4-DINITROTOLUENE	33.0	363	ND		UG/KG	1
DIETHYLPHTHALATE	39.6	363	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.4	363	ND		UG/KG	1
FLUORENE	38.5	363	ND		UG/KG	1
4-NITROANILINE	64.9	363	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.6	363	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.9	363	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.5	363	ND		UG/KG	1
PHENANTHRENE	33.0	363	ND		UG/KG	1
HEXACHLOROBENZENE	34.1	363	ND		UG/KG	1
PENTACHLOROPHENOL	61.6	363	ND		UG/KG	1
ANTHRACENE	31.9	363	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.2	363	ND		UG/KG	1
FLUORANTHENE	30.8	363	ND		UG/KG	1
PYRENE	30.8	363	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.0	363	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	260	363	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.4	363	ND		UG/KG	1
CHRYSENE	27.5	363	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.1	363	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.8	363	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.3	363	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.6	363	ND		UG/KG	1
BENZO(a)PYRENE	31.9	363	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.3	363	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.1	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0115	ARDL Lab No.:	300434-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1635	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.1	369	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.9	369	ND		UG/KG	1
2-CHLOROPHENOL	47.0	369	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.3	369	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.0	369	ND		UG/KG	1
BENZYL ALCOHOL	44.7	369	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.5	369	ND		UG/KG	1
2-METHYLPHENOL	50.3	369	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.8	369	ND		UG/KG	1
4-METHYLPHENOL	48.1	369	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.5	369	ND		UG/KG	1
HEXACHLOROETHANE	54.8	369	ND		UG/KG	1
NITROBENZENE	39.1	369	ND		UG/KG	1
ISOPHORONE	31.3	369	ND		UG/KG	1
2-NITROPHENOL	43.6	369	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.9	369	ND		UG/KG	1
BENZOIC ACID	91.7	369	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.5	369	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.2	369	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.5	369	ND		UG/KG	1
NAPHTHALENE	42.5	369	ND		UG/KG	1
4-CHLOROANILINE	154	369	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.9	369	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.3	369	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.3	369	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.0	369	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.9	369	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.4	369	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	369	ND		UG/KG	1
2-NITROANILINE	29.1	369	ND		UG/KG	1
DIMETHYL PHTHALATE	34.7	369	ND		UG/KG	1
ACENAPHTHYLENE	43.6	369	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB14-0115	ARDL Lab No.:	300434-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1635	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.8	369	ND		UG/KG	1
3-NITROANILINE	87.2	369	ND		UG/KG	1
ACENAPHTHENE	35.8	369	ND		UG/KG	1
2,4-DINITROPHENOL	33.6	369	ND		UG/KG	1
4-NITROPHENOL	52.6	369	ND		UG/KG	1
DIBENZOFURAN	38.0	369	ND		UG/KG	1
2,4-DINITROTOLUENE	33.6	369	ND		UG/KG	1
DIETHYLPHTHALATE	40.3	369	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.0	369	ND		UG/KG	1
FLUORENE	39.1	369	ND		UG/KG	1
4-NITROANILINE	66.0	369	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.5	369	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.6	369	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	369	ND		UG/KG	1
PHENANTHRENE	33.6	369	ND		UG/KG	1
HEXACHLOROBENZENE	34.7	369	ND		UG/KG	1
PENTACHLOROPHENOL	62.6	369	ND		UG/KG	1
ANTHRACENE	32.4	369	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	369	ND		UG/KG	1
FLUORANTHENE	31.3	369	ND		UG/KG	1
PYRENE	31.3	369	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.6	369	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	264	369	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	369	ND		UG/KG	1
CHRYSENE	28.0	369	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.7	369	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	369	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.3	369	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.8	369	ND		UG/KG	1
BENZO(a)PYRENE	32.4	369	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.9	369	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.7	369	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0101	ARDL Lab No.:	300434-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.3	363	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.1	363	ND		UG/KG	1
2-CHLOROPHENOL	46.2	363	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.5	363	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.2	363	ND		UG/KG	1
BENZYL ALCOHOL	44.0	363	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.5	363	ND		UG/KG	1
2-METHYLPHENOL	49.5	363	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.9	363	ND		UG/KG	1
4-METHYLPHENOL	47.3	363	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.6	363	ND		UG/KG	1
HEXACHLOROETHANE	53.9	363	ND		UG/KG	1
NITROBENZENE	38.5	363	ND		UG/KG	1
ISOPHORONE	30.8	363	ND		UG/KG	1
2-NITROPHENOL	42.9	363	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.3	363	ND		UG/KG	1
BENZOIC ACID	90.2	363	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.8	363	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.4	363	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.8	363	ND		UG/KG	1
NAPHTHALENE	41.8	363	ND		UG/KG	1
4-CHLOROANILINE	152	363	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.1	363	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.6	363	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.6	363	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.4	363	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.3	363	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.7	363	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.5	363	ND		UG/KG	1
2-NITROANILINE	28.6	363	ND		UG/KG	1
DIMETHYL PHTHALATE	34.1	363	ND		UG/KG	1
ACENAPHTHYLENE	42.9	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0101	ARDL Lab No.:	300434-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1400	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	9.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.2	363	ND		UG/KG	1
3-NITROANILINE	85.8	363	ND		UG/KG	1
ACENAPHTHENE	35.2	363	ND		UG/KG	1
2,4-DINITROPHENOL	33.0	363	ND		UG/KG	1
4-NITROPHENOL	51.7	363	ND		UG/KG	1
DIBENZOFURAN	37.4	363	ND		UG/KG	1
2,4-DINITROTOLUENE	33.0	363	ND		UG/KG	1
DIETHYLPHTHALATE	39.6	363	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.4	363	ND		UG/KG	1
FLUORENE	38.5	363	ND		UG/KG	1
4-NITROANILINE	64.9	363	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.6	363	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.9	363	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.5	363	ND		UG/KG	1
PHENANTHRENE	33.0	363	ND		UG/KG	1
HEXACHLOROBENZENE	34.1	363	ND		UG/KG	1
PENTACHLOROPHENOL	61.6	363	ND		UG/KG	1
ANTHRACENE	31.9	363	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.2	363	ND		UG/KG	1
FLUORANTHENE	30.8	363	ND		UG/KG	1
PYRENE	30.8	363	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.0	363	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	260	363	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.4	363	ND		UG/KG	1
CHRYSENE	27.5	363	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.1	363	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.8	363	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.3	363	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.6	363	ND		UG/KG	1
BENZO(a)PYRENE	31.9	363	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.3	363	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.1	363	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0109	ARDL Lab No.:	300434-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1405	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.1	369	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.9	369	ND		UG/KG	1
2-CHLOROPHENOL	47.0	369	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.3	369	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.0	369	ND		UG/KG	1
BENZYL ALCOHOL	44.7	369	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.5	369	ND		UG/KG	1
2-METHYLPHENOL	50.3	369	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.8	369	ND		UG/KG	1
4-METHYLPHENOL	48.1	369	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.5	369	ND		UG/KG	1
HEXACHLOROETHANE	54.8	369	ND		UG/KG	1
NITROBENZENE	39.1	369	ND		UG/KG	1
ISOPHORONE	31.3	369	ND		UG/KG	1
2-NITROPHENOL	43.6	369	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.9	369	ND		UG/KG	1
BENZOIC ACID	91.7	369	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.5	369	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.2	369	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.5	369	ND		UG/KG	1
NAPHTHALENE	42.5	369	ND		UG/KG	1
4-CHLOROANILINE	154	369	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.9	369	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.3	369	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.3	369	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.0	369	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.9	369	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.4	369	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	369	ND		UG/KG	1
2-NITROANILINE	29.1	369	ND		UG/KG	1
DIMETHYL PHTHALATE	34.7	369	ND		UG/KG	1
ACENAPHTHYLENE	43.6	369	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0109	ARDL Lab No.:	300434-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1405	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	10.6	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.8	369	ND		UG/KG	1
3-NITROANILINE	87.2	369	ND		UG/KG	1
ACENAPHTHENE	35.8	369	ND		UG/KG	1
2,4-DINITROPHENOL	33.6	369	ND		UG/KG	1
4-NITROPHENOL	52.6	369	ND		UG/KG	1
DIBENZOFURAN	38.0	369	ND		UG/KG	1
2,4-DINITROTOLUENE	33.6	369	ND		UG/KG	1
DIETHYLPHTHALATE	40.3	369	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.0	369	ND		UG/KG	1
FLUORENE	39.1	369	ND		UG/KG	1
4-NITROANILINE	66.0	369	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.5	369	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.6	369	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	369	ND		UG/KG	1
PHENANTHRENE	33.6	369	ND		UG/KG	1
HEXACHLOROBENZENE	34.7	369	ND		UG/KG	1
PENTACHLOROPHENOL	62.6	369	ND		UG/KG	1
ANTHRACENE	32.4	369	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	369	ND		UG/KG	1
FLUORANTHENE	31.3	369	ND		UG/KG	1
PYRENE	31.3	369	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.6	369	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	264	369	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	369	ND		UG/KG	1
CHRYSENE	28.0	369	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.7	369	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	369	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.3	369	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.8	369	ND		UG/KG	1
BENZO(a)PYRENE	32.4	369	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.9	369	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.7	369	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0119	ARDL Lab No.:	300434-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1410	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.4	371	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.1	371	ND		UG/KG	1
2-CHLOROPHENOL	47.2	371	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.6	371	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.2	371	ND		UG/KG	1
BENZYL ALCOHOL	45.0	371	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.9	371	ND		UG/KG	1
2-METHYLPHENOL	50.6	371	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.1	371	ND		UG/KG	1
4-METHYLPHENOL	48.4	371	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.7	371	ND		UG/KG	1
HEXACHLOROETHANE	55.1	371	ND		UG/KG	1
NITROBENZENE	39.4	371	ND		UG/KG	1
ISOPHORONE	31.5	371	ND		UG/KG	1
2-NITROPHENOL	43.9	371	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.1	371	ND		UG/KG	1
BENZOIC ACID	92.2	371	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.7	371	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.5	371	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.7	371	ND		UG/KG	1
NAPHTHALENE	42.7	371	ND		UG/KG	1
4-CHLOROANILINE	155	371	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.1	371	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.5	371	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.5	371	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.2	371	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.1	371	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.6	371	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.4	371	ND		UG/KG	1
2-NITROANILINE	29.2	371	ND		UG/KG	1
DIMETHYL PHTHALATE	34.9	371	ND		UG/KG	1
ACENAPHTHYLENE	43.9	371	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB15-0119	ARDL Lab No.:	300434-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1410	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/27/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.0	371	ND		UG/KG	1
3-NITROANILINE	87.7	371	ND		UG/KG	1
ACENAPHTHENE	36.0	371	ND		UG/KG	1
2,4-DINITROPHENOL	33.7	371	ND		UG/KG	1
4-NITROPHENOL	52.9	371	ND		UG/KG	1
DIBENZOFURAN	38.2	371	ND		UG/KG	1
2,4-DINITROTOLUENE	33.7	371	ND		UG/KG	1
DIETHYLPHTHALATE	40.5	371	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.2	371	ND		UG/KG	1
FLUORENE	39.4	371	ND		UG/KG	1
4-NITROANILINE	66.4	371	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.7	371	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.9	371	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.4	371	ND		UG/KG	1
PHENANTHRENE	33.7	371	ND		UG/KG	1
HEXACHLOROBENZENE	34.9	371	ND		UG/KG	1
PENTACHLOROPHENOL	63.0	371	ND		UG/KG	1
ANTHRACENE	32.6	371	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	371	80.1	JB	UG/KG	1
FLUORANTHENE	31.5	371	ND		UG/KG	1
PYRENE	31.5	371	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.7	371	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	371	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.0	371	ND		UG/KG	1
CHRYSENE	28.1	371	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.9	371	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.5	371	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.6	371	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.2	371	ND		UG/KG	1
BENZO(a)PYRENE	32.6	371	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.1	371	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.9	371	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0101	ARDL Lab No.:	300434-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1500	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.4	371	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.1	371	ND		UG/KG	1
2-CHLOROPHENOL	47.2	371	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.6	371	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.2	371	ND		UG/KG	1
BENZYL ALCOHOL	45.0	371	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.9	371	ND		UG/KG	1
2-METHYLPHENOL	50.6	371	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.1	371	ND		UG/KG	1
4-METHYLPHENOL	48.4	371	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.7	371	ND		UG/KG	1
HEXACHLOROETHANE	55.1	371	ND		UG/KG	1
NITROBENZENE	39.4	371	ND		UG/KG	1
ISOPHORONE	31.5	371	ND		UG/KG	1
2-NITROPHENOL	43.9	371	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.1	371	ND		UG/KG	1
BENZOIC ACID	92.2	371	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.7	371	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.5	371	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.7	371	ND		UG/KG	1
NAPHTHALENE	42.7	371	ND		UG/KG	1
4-CHLOROANILINE	155	371	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.1	371	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.5	371	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.5	371	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.2	371	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.1	371	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.6	371	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.4	371	ND		UG/KG	1
2-NITROANILINE	29.2	371	ND		UG/KG	1
DIMETHYL PHTHALATE	34.9	371	ND		UG/KG	1
ACENAPHTHYLENE	43.9	371	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0101	ARDL Lab No.:	300434-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1500	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.0	371	ND		UG/KG	1
3-NITROANILINE	87.7	371	ND		UG/KG	1
ACENAPHTHENE	36.0	371	ND		UG/KG	1
2,4-DINITROPHENOL	33.7	371	ND		UG/KG	1
4-NITROPHENOL	52.9	371	ND		UG/KG	1
DIBENZOFURAN	38.2	371	ND		UG/KG	1
2,4-DINITROTOLUENE	33.7	371	ND		UG/KG	1
DIETHYLPHTHALATE	40.5	371	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.2	371	ND		UG/KG	1
FLUORENE	39.4	371	ND		UG/KG	1
4-NITROANILINE	66.4	371	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.7	371	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.9	371	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.4	371	ND		UG/KG	1
PHENANTHRENE	33.7	371	ND		UG/KG	1
HEXACHLOROBENZENE	34.9	371	ND		UG/KG	1
PENTACHLOROPHENOL	63.0	371	ND		UG/KG	1
ANTHRACENE	32.6	371	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	371	252	JB	UG/KG	1
FLUORANTHENE	31.5	371	ND		UG/KG	1
PYRENE	31.5	371	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.7	371	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	371	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.0	371	ND		UG/KG	1
CHRYSENE	28.1	371	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.9	371	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.5	371	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.6	371	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.2	371	ND		UG/KG	1
BENZO(a)PYRENE	32.6	371	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.1	371	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.9	371	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0104	ARDL Lab No.:	300434-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	17.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	52.1	400	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	49.7	400	ND		UG/KG	1
2-CHLOROPHENOL	50.9	400	ND		UG/KG	1
1,3-DICHLOROBENZENE	54.5	400	ND		UG/KG	1
1,4-DICHLOROBENZENE	50.9	400	ND		UG/KG	1
BENZYL ALCOHOL	48.5	400	ND		UG/KG	1
1,2-DICHLOROBENZENE	66.7	400	ND		UG/KG	1
2-METHYLPHENOL	54.5	400	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	59.4	400	ND		UG/KG	1
4-METHYLPHENOL	52.1	400	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	55.8	400	ND		UG/KG	1
HEXACHLOROETHANE	59.4	400	ND		UG/KG	1
NITROBENZENE	42.4	400	ND		UG/KG	1
ISOPHORONE	33.9	400	ND		UG/KG	1
2-NITROPHENOL	47.3	400	ND		UG/KG	1
2,4-DIMETHYLPHENOL	40.0	400	ND		UG/KG	1
BENZOIC ACID	99.4	400	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	46.1	400	ND		UG/KG	1
2,4-DICHLOROPHENOL	53.3	400	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	46.1	400	ND		UG/KG	1
NAPHTHALENE	46.1	400	ND		UG/KG	1
4-CHLOROANILINE	167	400	ND		UG/KG	1
HEXACHLOROBUTADIENE	49.7	400	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	43.6	400	ND		UG/KG	1
2-METHYLNAPHTHALENE	43.6	400	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	41.2	400	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	40.0	400	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	44.8	400	ND		UG/KG	1
2-CHLORONAPHTHALENE	42.4	400	ND		UG/KG	1
2-NITROANILINE	31.5	400	ND		UG/KG	1
DIMETHYL PHTHALATE	37.6	400	ND		UG/KG	1
ACENAPHTHYLENE	47.3	400	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0104	ARDL Lab No.:	300434-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1505	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	17.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	38.8	400	ND		UG/KG	1
3-NITROANILINE	94.5	400	ND		UG/KG	1
ACENAPHTHENE	38.8	400	ND		UG/KG	1
2,4-DINITROPHENOL	36.4	400	ND		UG/KG	1
4-NITROPHENOL	57.0	400	ND		UG/KG	1
DIBENZOFURAN	41.2	400	ND		UG/KG	1
2,4-DINITROTOLUENE	36.4	400	ND		UG/KG	1
DIETHYLPHTHALATE	43.6	400	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	41.2	400	ND		UG/KG	1
FLUORENE	42.4	400	ND		UG/KG	1
4-NITROANILINE	71.5	400	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	55.8	400	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	47.3	400	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	42.4	400	ND		UG/KG	1
PHENANTHRENE	36.4	400	129	J	UG/KG	1
HEXACHLOROBENZENE	37.6	400	ND		UG/KG	1
PENTACHLOROPHENOL	67.9	400	ND		UG/KG	1
ANTHRACENE	35.2	400	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	26.7	400	ND		UG/KG	1
FLUORANTHENE	33.9	400	226	J	UG/KG	1
PYRENE	33.9	400	186	J	UG/KG	1
BUTYLBENZYLPHTHALATE	36.4	400	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	286	400	ND		UG/KG	1
BENZO(a)ANTHRACENE	29.1	400	84.4	J	UG/KG	1
CHRYSENE	30.3	400	99.2	J	UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	37.6	400	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	33.9	400	ND		UG/KG	1
BENZO(b)FLUORANTHENE	64.2	400	93.9	J	UG/KG	1
BENZO(k)FLUORANTHENE	80.0	400	347	J	UG/KG	1
BENZO(a)PYRENE	35.2	400	90.3	J	UG/KG	1
INDENO(1,2,3-cd)PYRENE	40.0	400	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	37.6	400	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0110	ARDL Lab No.:	300434-11
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1515	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.8	374	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.5	374	ND		UG/KG	1
2-CHLOROPHENOL	47.6	374	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.0	374	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.6	374	ND		UG/KG	1
BENZYL ALCOHOL	45.4	374	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.4	374	ND		UG/KG	1
2-METHYLPHENOL	51.0	374	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.6	374	ND		UG/KG	1
4-METHYLPHENOL	48.8	374	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.2	374	ND		UG/KG	1
HEXACHLOROETHANE	55.6	374	ND		UG/KG	1
NITROBENZENE	39.7	374	ND		UG/KG	1
ISOPHORONE	31.7	374	ND		UG/KG	1
2-NITROPHENOL	44.2	374	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.4	374	ND		UG/KG	1
BENZOIC ACID	93.0	374	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.1	374	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.9	374	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.1	374	ND		UG/KG	1
NAPHTHALENE	43.1	374	ND		UG/KG	1
4-CHLOROANILINE	156	374	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.5	374	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.8	374	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.8	374	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.5	374	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.4	374	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.0	374	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.7	374	ND		UG/KG	1
2-NITROANILINE	29.5	374	ND		UG/KG	1
DIMETHYL PHTHALATE	35.1	374	ND		UG/KG	1
ACENAPHTHYLENE	44.2	374	ND		UG/KG	1

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB16-0110	ARDL Lab No.:	300434-11 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/23/1997	Received Date:	02/26/1997
Sample Time:	1515	Prep. Date:	02/27/1997
Matrix:	SOIL	Analysis Date:	02/28/1997
Amount Used:	30 g	QC Batch:	B2062
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.3	374	ND		UG/KG	1
3-NITROANILINE	88.4	374	ND		UG/KG	1
ACENAPHTHENE	36.3	374	ND		UG/KG	1
2,4-DINITROPHENOL	34.0	374	ND		UG/KG	1
4-NITROPHENOL	53.3	374	ND		UG/KG	1
DIBENZOFURAN	38.5	374	ND		UG/KG	1
2,4-DINITROTOLUENE	34.0	374	ND		UG/KG	1
DIETHYLPHTHALATE	40.8	374	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.5	374	ND		UG/KG	1
FLUORENE	39.7	374	ND		UG/KG	1
4-NITROANILINE	66.9	374	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.2	374	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.2	374	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.7	374	ND		UG/KG	1
PHENANTHRENE	34.0	374	ND		UG/KG	1
HEXACHLOROBENZENE	35.1	374	ND		UG/KG	1
PENTACHLOROPHENOL	63.5	374	ND		UG/KG	1
ANTHRACENE	32.9	374	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	374	341	JB	UG/KG	1
FLUORANTHENE	31.7	374	ND		UG/KG	1
PYRENE	31.7	374	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.0	374	74.5	J	UG/KG	1
3,3'-DICHLOROBENZIDINE	268	374	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.2	374	ND		UG/KG	1
CHRYSENE	28.3	374	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.1	374	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.7	374	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.1	374	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.8	374	ND		UG/KG	1
BENZO(a)PYRENE	32.9	374	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.4	374	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.1	374	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0101	ARDL Lab No.:	300439-01
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0845	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	49.3	378	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	47.0	378	ND		UG/KG	1
2-CHLOROPHENOL	48.1	378	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.5	378	ND		UG/KG	1
1,4-DICHLOROBENZENE	48.1	378	ND		UG/KG	1
BENZYL ALCOHOL	45.8	378	ND		UG/KG	1
1,2-DICHLOROBENZENE	63.0	378	ND		UG/KG	1
2-METHYLPHENOL	51.5	378	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	56.1	378	ND		UG/KG	1
4-METHYLPHENOL	49.3	378	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.7	378	ND		UG/KG	1
HEXACHLOROETHANE	56.1	378	ND		UG/KG	1
NITROBENZENE	40.1	378	ND		UG/KG	1
ISOPHORONE	32.1	378	ND		UG/KG	1
2-NITROPHENOL	44.7	378	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.8	378	ND		UG/KG	1
BENZOIC ACID	93.9	378	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.5	378	ND		UG/KG	1
2,4-DICHLOROPHENOL	50.4	378	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.5	378	ND		UG/KG	1
NAPHTHALENE	43.5	378	ND		UG/KG	1
4-CHLOROANILINE	158	378	ND		UG/KG	1
HEXACHLOROBUTADIENE	47.0	378	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	41.2	378	ND		UG/KG	1
2-METHYLNAPHTHALENE	41.2	378	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.9	378	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.8	378	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.4	378	ND		UG/KG	1
2-CHLORONAPHTHALENE	40.1	378	ND		UG/KG	1
2-NITROANILINE	29.8	378	ND		UG/KG	1
DIMETHYL PHTHALATE	35.5	378	ND		UG/KG	1
ACENAPHTHYLENE	44.7	378	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0101	ARDL Lab No.:	300439-01 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0845	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	12.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.7	378	ND		UG/KG	1
3-NITROANILINE	89.3	378	ND		UG/KG	1
ACENAPHTHENE	36.7	378	ND		UG/KG	1
2,4-DINITROPHENOL	34.4	378	ND		UG/KG	1
4-NITROPHENOL	53.8	378	ND		UG/KG	1
DIBENZOFURAN	38.9	378	ND		UG/KG	1
2,4-DINITROTOLUENE	34.4	378	ND		UG/KG	1
DIETHYLPHTHALATE	41.2	378	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.9	378	ND		UG/KG	1
FLUORENE	40.1	378	ND		UG/KG	1
4-NITROANILINE	67.6	378	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.7	378	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.7	378	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	40.1	378	ND		UG/KG	1
PHENANTHRENE	34.4	378	ND		UG/KG	1
HEXACHLOROBENZENE	35.5	378	ND		UG/KG	1
PENTACHLOROPHENOL	64.1	378	ND		UG/KG	1
ANTHRACENE	33.2	378	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.2	378	101	J	UG/KG	1
FLUORANTHENE	32.1	378	ND		UG/KG	1
PYRENE	32.1	378	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.4	378	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	270	378	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.5	378	ND		UG/KG	1
CHRYSENE	28.6	378	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.5	378	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.1	378	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.7	378	ND		UG/KG	1
BENZO(k)FLUORANTHENE	75.6	378	ND		UG/KG	1
BENZO(a)PYRENE	33.2	378	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.8	378	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.5	378	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0109	ARDL Lab No.:	300439-02
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	14.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	50.5	387	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	48.1	387	ND		UG/KG	1
2-CHLOROPHENOL	49.3	387	ND		UG/KG	1
1,3-DICHLOROBENZENE	52.8	387	ND		UG/KG	1
1,4-DICHLOROBENZENE	49.3	387	ND		UG/KG	1
BENZYL ALCOHOL	46.9	387	ND		UG/KG	1
1,2-DICHLOROBENZENE	64.6	387	ND		UG/KG	1
2-METHYLPHENOL	52.8	387	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	57.5	387	ND		UG/KG	1
4-METHYLPHENOL	50.5	387	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	54.0	387	ND		UG/KG	1
HEXACHLOROETHANE	57.5	387	ND		UG/KG	1
NITROBENZENE	41.1	387	ND		UG/KG	1
ISOPHORONE	32.9	387	ND		UG/KG	1
2-NITROPHENOL	45.8	387	ND		UG/KG	1
2,4-DIMETHYLPHENOL	38.7	387	ND		UG/KG	1
BENZOIC ACID	96.2	387	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	44.6	387	ND		UG/KG	1
2,4-DICHLOROPHENOL	51.6	387	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	44.6	387	ND		UG/KG	1
NAPHTHALENE	44.6	387	ND		UG/KG	1
4-CHLOROANILINE	162	387	ND		UG/KG	1
HEXACHLOROBUTADIENE	48.1	387	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	42.3	387	ND		UG/KG	1
2-METHYLNAPHTHALENE	42.3	387	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	39.9	387	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	38.7	387	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	43.4	387	ND		UG/KG	1
2-CHLORONAPHTHALENE	41.1	387	ND		UG/KG	1
2-NITROANILINE	30.5	387	ND		UG/KG	1
DIMETHYL PHTHALATE	36.4	387	ND		UG/KG	1
ACENAPHTHYLENE	45.8	387	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0109	ARDL Lab No.:	300439-02 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	14.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	37.6	387	ND		UG/KG	1
3-NITROANILINE	91.5	387	ND		UG/KG	1
ACENAPHTHENE	37.6	387	ND		UG/KG	1
2,4-DINITROPHENOL	35.2	387	ND		UG/KG	1
4-NITROPHENOL	55.2	387	ND		UG/KG	1
DIBENZOFURAN	39.9	387	ND		UG/KG	1
2,4-DINITROTOLUENE	35.2	387	ND		UG/KG	1
DIETHYLPHTHALATE	42.3	387	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	39.9	387	ND		UG/KG	1
FLUORENE	41.1	387	ND		UG/KG	1
4-NITROANILINE	69.2	387	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	54.0	387	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	45.8	387	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	41.1	387	ND		UG/KG	1
PHENANTHRENE	35.2	387	ND		UG/KG	1
HEXACHLOROBENZENE	36.4	387	ND		UG/KG	1
PENTACHLOROPHENOL	65.7	387	ND		UG/KG	1
ANTHRACENE	34.0	387	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	25.8	387	28.8	J	UG/KG	1
FLUORANTHENE	32.9	387	ND		UG/KG	1
PYRENE	32.9	387	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	35.2	387	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	277	387	ND		UG/KG	1
BENZO(a)ANTHRACENE	28.2	387	ND		UG/KG	1
CHRYSENE	29.3	387	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	36.4	387	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	32.9	387	ND		UG/KG	1
BENZO(b)FLUORANTHENE	62.2	387	ND		UG/KG	1
BENZO(k)FLUORANTHENE	77.5	387	ND		UG/KG	1
BENZO(a)PYRENE	34.0	387	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	38.7	387	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	36.4	387	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0119	ARDL Lab No.:	300439-03
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0905	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.5	365	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.3	365	ND		UG/KG	1
2-CHLOROPHENOL	46.4	365	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.7	365	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.4	365	ND		UG/KG	1
BENZYL ALCOHOL	44.2	365	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.8	365	ND		UG/KG	1
2-METHYLPHENOL	49.7	365	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.1	365	ND		UG/KG	1
4-METHYLPHENOL	47.5	365	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.8	365	ND		UG/KG	1
HEXACHLOROETHANE	54.1	365	ND		UG/KG	1
NITROBENZENE	38.7	365	ND		UG/KG	1
ISOPHORONE	30.9	365	ND		UG/KG	1
2-NITROPHENOL	43.1	365	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.5	365	ND		UG/KG	1
BENZOIC ACID	90.6	365	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.0	365	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.6	365	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.0	365	ND		UG/KG	1
NAPHTHALENE	42.0	365	ND		UG/KG	1
4-CHLOROANILINE	152	365	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.3	365	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.8	365	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.8	365	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.6	365	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.5	365	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.9	365	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.7	365	ND		UG/KG	1
2-NITROANILINE	28.7	365	ND		UG/KG	1
DIMETHYL PHTHALATE	34.3	365	ND		UG/KG	1
ACENAPHTHYLENE	43.1	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0119	ARDL Lab No.:	300439-03 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0905	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.4	365	ND		UG/KG	1
3-NITROANILINE	86.2	365	ND		UG/KG	1
ACENAPHTHENE	35.4	365	ND		UG/KG	1
2,4-DINITROPHENOL	33.1	365	ND		UG/KG	1
4-NITROPHENOL	51.9	365	ND		UG/KG	1
DIBENZOFURAN	37.6	365	ND		UG/KG	1
2,4-DINITROTOLUENE	33.1	365	ND		UG/KG	1
DIETHYLPHTHALATE	39.8	365	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.6	365	ND		UG/KG	1
FLUORENE	38.7	365	ND		UG/KG	1
4-NITROANILINE	65.2	365	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.8	365	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.1	365	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.7	365	ND		UG/KG	1
PHENANTHRENE	33.1	365	ND		UG/KG	1
HEXACHLOROBENZENE	34.3	365	ND		UG/KG	1
PENTACHLOROPHENOL	61.9	365	ND		UG/KG	1
ANTHRACENE	32.0	365	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.3	365	24.4	J	UG/KG	1
FLUORANTHENE	30.9	365	ND		UG/KG	1
PYRENE	30.9	365	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.1	365	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	261	365	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.5	365	ND		UG/KG	1
CHRYSENE	27.6	365	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.3	365	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.9	365	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.6	365	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.9	365	ND		UG/KG	1
BENZO(a)PYRENE	32.0	365	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.5	365	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.3	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0129	ARDL Lab No.:	300439-04
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.5	365	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.3	365	ND		UG/KG	1
2-CHLOROPHENOL	46.4	365	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.7	365	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.4	365	ND		UG/KG	1
BENZYL ALCOHOL	44.2	365	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.8	365	ND		UG/KG	1
2-METHYLPHENOL	49.7	365	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.1	365	ND		UG/KG	1
4-METHYLPHENOL	47.5	365	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.8	365	ND		UG/KG	1
HEXACHLOROETHANE	54.1	365	ND		UG/KG	1
NITROBENZENE	38.7	365	ND		UG/KG	1
ISOPHORONE	30.9	365	ND		UG/KG	1
2-NITROPHENOL	43.1	365	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.5	365	ND		UG/KG	1
BENZOIC ACID	90.6	365	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.0	365	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.6	365	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.0	365	ND		UG/KG	1
NAPHTHALENE	42.0	365	ND		UG/KG	1
4-CHLOROANILINE	152	365	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.3	365	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.8	365	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.8	365	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.6	365	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.5	365	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.9	365	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.7	365	ND		UG/KG	1
2-NITROANILINE	28.7	365	ND		UG/KG	1
DIMETHYL PHTHALATE	34.3	365	ND		UG/KG	1
ACENAPHTHYLENE	43.1	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0129	ARDL Lab No.:	300439-04 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.4	365	ND		UG/KG	1
3-NITROANILINE	86.2	365	ND		UG/KG	1
ACENAPHTHENE	35.4	365	ND		UG/KG	1
2,4-DINITROPHENOL	33.1	365	ND		UG/KG	1
4-NITROPHENOL	51.9	365	ND		UG/KG	1
DIBENZOFURAN	37.6	365	ND		UG/KG	1
2,4-DINITROTOLUENE	33.1	365	ND		UG/KG	1
DIETHYLPHTHALATE	39.8	365	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.6	365	ND		UG/KG	1
FLUORENE	38.7	365	ND		UG/KG	1
4-NITROANILINE	65.2	365	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.8	365	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.1	365	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.7	365	ND		UG/KG	1
PHENANTHRENE	33.1	365	ND		UG/KG	1
HEXACHLOROBENZENE	34.3	365	ND		UG/KG	1
PENTACHLOROPHENOL	61.9	365	ND		UG/KG	1
ANTHRACENE	32.0	365	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.3	365	ND		UG/KG	1
FLUORANTHENE	30.9	365	ND		UG/KG	1
PYRENE	30.9	365	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.1	365	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	261	365	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.5	365	ND		UG/KG	1
CHRYSENE	27.6	365	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.3	365	142	J	UG/KG	1
DI-N-OCTYL PHTHALATE	30.9	365	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.6	365	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.9	365	ND		UG/KG	1
BENZO(a)PYRENE	32.0	365	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.5	365	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.3	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0139	ARDL Lab No.:	300439-05
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0955	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.1	361	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.9	361	ND		UG/KG	1
2-CHLOROPHENOL	46.0	361	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.3	361	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.0	361	ND		UG/KG	1
BENZYL ALCOHOL	43.8	361	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.2	361	ND		UG/KG	1
2-METHYLPHENOL	49.3	361	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.7	361	ND		UG/KG	1
4-METHYLPHENOL	47.1	361	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.4	361	ND		UG/KG	1
HEXACHLOROETHANE	53.7	361	ND		UG/KG	1
NITROBENZENE	38.3	361	ND		UG/KG	1
ISOPHORONE	30.7	361	ND		UG/KG	1
2-NITROPHENOL	42.7	361	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.1	361	ND		UG/KG	1
BENZOIC ACID	89.8	361	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.6	361	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.2	361	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.6	361	ND		UG/KG	1
NAPHTHALENE	41.6	361	ND		UG/KG	1
4-CHLOROANILINE	151	361	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.9	361	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.4	361	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.4	361	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.2	361	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.1	361	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.5	361	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.3	361	ND		UG/KG	1
2-NITROANILINE	28.5	361	ND		UG/KG	1
DIMETHYL PHTHALATE	34.0	361	ND		UG/KG	1
ACENAPHTHYLENE	42.7	361	ND		UG/KG	1

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0139	ARDL Lab No.:	300439-05 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	0955	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.7	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.0	361	ND		UG/KG	1
3-NITROANILINE	85.4	361	ND		UG/KG	1
ACENAPHTHENE	35.0	361	ND		UG/KG	1
2,4-DINITROPHENOL	32.9	361	ND		UG/KG	1
4-NITROPHENOL	51.5	361	ND		UG/KG	1
DIBENZOFURAN	37.2	361	ND		UG/KG	1
2,4-DINITROTOLUENE	32.9	361	ND		UG/KG	1
DIETHYLPHTHALATE	39.4	361	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.2	361	ND		UG/KG	1
FLUORENE	38.3	361	ND		UG/KG	1
4-NITROANILINE	64.6	361	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.4	361	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.7	361	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.3	361	ND		UG/KG	1
PHENANTHRENE	32.9	361	ND		UG/KG	1
HEXACHLOROBENZENE	34.0	361	ND		UG/KG	1
PENTACHLOROPHENOL	61.3	361	ND		UG/KG	1
ANTHRACENE	31.8	361	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.1	361	ND		UG/KG	1
FLUORANTHENE	30.7	361	ND		UG/KG	1
PYRENE	30.7	361	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.9	361	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	258	361	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.3	361	ND		UG/KG	1
CHRYSENE	27.4	361	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.0	361	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.7	361	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.1	361	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.3	361	ND		UG/KG	1
BENZO(a)PYRENE	31.8	361	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.1	361	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.0	361	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0145	ARDL Lab No.:	300439-06
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1025	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.1	354	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.0	354	ND		UG/KG	1
2-CHLOROPHENOL	45.1	354	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.3	354	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.1	354	ND		UG/KG	1
BENZYL ALCOHOL	42.9	354	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.0	354	ND		UG/KG	1
2-METHYLPHENOL	48.3	354	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.6	354	ND		UG/KG	1
4-METHYLPHENOL	46.1	354	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.4	354	ND		UG/KG	1
HEXACHLOROETHANE	52.6	354	ND		UG/KG	1
NITROBENZENE	37.6	354	ND		UG/KG	1
ISOPHORONE	30.0	354	ND		UG/KG	1
2-NITROPHENOL	41.8	354	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.4	354	ND		UG/KG	1
BENZOIC ACID	88.0	354	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.8	354	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.2	354	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.8	354	ND		UG/KG	1
NAPHTHALENE	40.8	354	ND		UG/KG	1
4-CHLOROANILINE	148	354	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.0	354	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.6	354	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.6	354	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.5	354	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.4	354	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.7	354	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.6	354	ND		UG/KG	1
2-NITROANILINE	27.9	354	ND		UG/KG	1
DIMETHYL PHTHALATE	33.3	354	ND		UG/KG	1
ACENAPHTHYLENE	41.8	354	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0145	ARDL Lab No.:	300439-06 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1025	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.3	354	ND		UG/KG	1
3-NITROANILINE	83.7	354	ND		UG/KG	1
ACENAPHTHENE	34.3	354	ND		UG/KG	1
2,4-DINITROPHENOL	32.2	354	ND		UG/KG	1
4-NITROPHENOL	50.4	354	ND		UG/KG	1
DIBENZOFURAN	36.5	354	ND		UG/KG	1
2,4-DINITROTOLUENE	32.2	354	ND		UG/KG	1
DIETHYLPHTHALATE	38.6	354	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.5	354	ND		UG/KG	1
FLUORENE	37.6	354	ND		UG/KG	1
4-NITROANILINE	63.3	354	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.4	354	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.8	354	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.6	354	ND		UG/KG	1
PHENANTHRENE	32.2	354	ND		UG/KG	1
HEXACHLOROBENZENE	33.3	354	ND		UG/KG	1
PENTACHLOROPHENOL	60.1	354	ND		UG/KG	1
ANTHRACENE	31.1	354	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.6	354	ND		UG/KG	1
FLUORANTHENE	30.0	354	ND		UG/KG	1
PYRENE	30.0	354	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.2	354	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	253	354	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.8	354	ND		UG/KG	1
CHRYSENE	26.8	354	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.3	354	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.0	354	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.9	354	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.8	354	ND		UG/KG	1
BENZO(a)PYRENE	31.1	354	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.4	354	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.3	354	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0159	ARDL Lab No.:	300439-07
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1125	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.8	359	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.6	359	ND		UG/KG	1
2-CHLOROPHENOL	45.7	359	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.0	359	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.7	359	ND		UG/KG	1
BENZYL ALCOHOL	43.5	359	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.8	359	ND		UG/KG	1
2-METHYLPHENOL	49.0	359	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.3	359	ND		UG/KG	1
4-METHYLPHENOL	46.8	359	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.1	359	ND		UG/KG	1
HEXACHLOROETHANE	53.3	359	ND		UG/KG	1
NITROBENZENE	38.1	359	ND		UG/KG	1
ISOPHORONE	30.5	359	ND		UG/KG	1
2-NITROPHENOL	42.4	359	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.9	359	ND		UG/KG	1
BENZOIC ACID	89.2	359	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.3	359	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.9	359	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.3	359	ND		UG/KG	1
NAPHTHALENE	41.3	359	ND		UG/KG	1
4-CHLOROANILINE	150	359	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.6	359	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.2	359	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.2	359	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.0	359	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.9	359	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.3	359	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.1	359	ND		UG/KG	1
2-NITROANILINE	28.3	359	ND		UG/KG	1
DIMETHYL PHTHALATE	33.7	359	ND		UG/KG	1
ACENAPHTHYLENE	42.4	359	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB17-0159	ARDL Lab No.:	300439-07 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1125	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.8	359	ND		UG/KG	1
3-NITROANILINE	84.9	359	ND		UG/KG	1
ACENAPHTHENE	34.8	359	ND		UG/KG	1
2,4-DINITROPHENOL	32.6	359	ND		UG/KG	1
4-NITROPHENOL	51.1	359	ND		UG/KG	1
DIBENZOFURAN	37.0	359	ND		UG/KG	1
2,4-DINITROTOLUENE	32.6	359	ND		UG/KG	1
DIETHYLPHTHALATE	39.2	359	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.0	359	ND		UG/KG	1
FLUORENE	38.1	359	ND		UG/KG	1
4-NITROANILINE	64.2	359	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.1	359	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.4	359	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.1	359	ND		UG/KG	1
PHENANTHRENE	32.6	359	83.3	J	UG/KG	1
HEXACHLOROBENZENE	33.7	359	ND		UG/KG	1
PENTACHLOROPHENOL	60.9	359	ND		UG/KG	1
ANTHRACENE	31.6	359	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.9	359	ND		UG/KG	1
FLUORANTHENE	30.5	359	141	J	UG/KG	1
PYRENE	30.5	359	115	J	UG/KG	1
BUTYLBENZYLPHTHALATE	32.6	359	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	257	359	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.1	359	53.6	J	UG/KG	1
CHRYSENE	27.2	359	60.1	J	UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.7	359	201	J	UG/KG	1
DI-N-OCTYL PHTHALATE	30.5	359	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.7	359	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.8	359	ND		UG/KG	1
BENZO(a)PYRENE	31.6	359	64.7	J	UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.9	359	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.7	359	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0101	ARDL Lab No.:	300439-08
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1335	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	11	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.3	371	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.1	371	ND		UG/KG	1
2-CHLOROPHENOL	47.2	371	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.6	371	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.2	371	ND		UG/KG	1
BENZYL ALCOHOL	44.9	371	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.8	371	ND		UG/KG	1
2-METHYLPHENOL	50.6	371	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.1	371	ND		UG/KG	1
4-METHYLPHENOL	48.3	371	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.7	371	ND		UG/KG	1
HEXACHLOROETHANE	55.1	371	ND		UG/KG	1
NITROBENZENE	39.3	371	ND		UG/KG	1
ISOPHORONE	31.5	371	ND		UG/KG	1
2-NITROPHENOL	43.8	371	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.1	371	ND		UG/KG	1
BENZOIC ACID	92.1	371	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.7	371	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.4	371	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.7	371	ND		UG/KG	1
NAPHTHALENE	42.7	371	ND		UG/KG	1
4-CHLOROANILINE	155	371	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.1	371	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.4	371	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.4	371	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.2	371	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.1	371	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.6	371	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.3	371	ND		UG/KG	1
2-NITROANILINE	29.2	371	ND		UG/KG	1
DIMETHYL PHTHALATE	34.8	371	ND		UG/KG	1
ACENAPHTHYLENE	43.8	371	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0101	ARDL Lab No.:	300439-08 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1335	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	11	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.0	371	ND		UG/KG	1
3-NITROANILINE	87.6	371	ND		UG/KG	1
ACENAPHTHENE	36.0	371	ND		UG/KG	1
2,4-DINITROPHENOL	33.7	371	ND		UG/KG	1
4-NITROPHENOL	52.8	371	ND		UG/KG	1
DIBENZOFURAN	38.2	371	ND		UG/KG	1
2,4-DINITROTOLUENE	33.7	371	ND		UG/KG	1
DIETHYLPHTHALATE	40.4	371	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.2	371	ND		UG/KG	1
FLUORENE	39.3	371	ND		UG/KG	1
4-NITROANILINE	66.3	371	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.7	371	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.8	371	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.3	371	ND		UG/KG	1
PHENANTHRENE	33.7	371	ND		UG/KG	1
HEXACHLOROBENZENE	34.8	371	ND		UG/KG	1
PENTACHLOROPHENOL	62.9	371	ND		UG/KG	1
ANTHRACENE	32.6	371	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	371	ND		UG/KG	1
FLUORANTHENE	31.5	371	ND		UG/KG	1
PYRENE	31.5	371	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.7	371	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	371	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.0	371	ND		UG/KG	1
CHRYSENE	28.1	371	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.8	371	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.5	371	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.6	371	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.2	371	ND		UG/KG	1
BENZO(a)PYRENE	32.6	371	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.1	371	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.8	371	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0109	ARDL Lab No.:	300439-09
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1340	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	11.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.5	372	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.2	372	ND		UG/KG	1
2-CHLOROPHENOL	47.4	372	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.7	372	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.4	372	ND		UG/KG	1
BENZYL ALCOHOL	45.1	372	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.0	372	ND		UG/KG	1
2-METHYLPHENOL	50.7	372	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.2	372	ND		UG/KG	1
4-METHYLPHENOL	48.5	372	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.9	372	ND		UG/KG	1
HEXACHLOROETHANE	55.2	372	ND		UG/KG	1
NITROBENZENE	39.5	372	ND		UG/KG	1
ISOPHORONE	31.6	372	ND		UG/KG	1
2-NITROPHENOL	44.0	372	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.2	372	ND		UG/KG	1
BENZOIC ACID	92.4	372	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.8	372	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.6	372	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.8	372	ND		UG/KG	1
NAPHTHALENE	42.8	372	ND		UG/KG	1
4-CHLOROANILINE	156	372	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.2	372	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.6	372	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.6	372	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.3	372	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.2	372	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.7	372	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.5	372	ND		UG/KG	1
2-NITROANILINE	29.3	372	ND		UG/KG	1
DIMETHYL PHTHALATE	34.9	372	ND		UG/KG	1
ACENAPHTHYLENE	44.0	372	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0109	ARDL Lab No.:	300439-09 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1340	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	11.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.1	372	ND		UG/KG	1
3-NITROANILINE	87.9	372	ND		UG/KG	1
ACENAPHTHENE	36.1	372	ND		UG/KG	1
2,4-DINITROPHENOL	33.8	372	ND		UG/KG	1
4-NITROPHENOL	53.0	372	ND		UG/KG	1
DIBENZOFURAN	38.3	372	ND		UG/KG	1
2,4-DINITROTOLUENE	33.8	372	ND		UG/KG	1
DIETHYLPHTHALATE	40.6	372	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.3	372	ND		UG/KG	1
FLUORENE	39.5	372	ND		UG/KG	1
4-NITROANILINE	66.5	372	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.9	372	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.0	372	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.5	372	ND		UG/KG	1
PHENANTHRENE	33.8	372	ND		UG/KG	1
HEXACHLOROBENZENE	34.9	372	ND		UG/KG	1
PENTACHLOROPHENOL	63.1	372	ND		UG/KG	1
ANTHRACENE	32.7	372	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.8	372	ND		UG/KG	1
FLUORANTHENE	31.6	372	ND		UG/KG	1
PYRENE	31.6	372	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.8	372	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	266	372	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.1	372	ND		UG/KG	1
CHRYSENE	28.2	372	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.9	372	41.4	J	UG/KG	1
DI-N-OCTYL PHTHALATE	31.6	372	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.8	372	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.4	372	ND		UG/KG	1
BENZO(a)PYRENE	32.7	372	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.2	372	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.9	372	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0119	ARDL Lab No.:	300439-10
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1405	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.5	365	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.3	365	ND		UG/KG	1
2-CHLOROPHENOL	46.4	365	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.7	365	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.4	365	ND		UG/KG	1
BENZYL ALCOHOL	44.2	365	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.8	365	ND		UG/KG	1
2-METHYLPHENOL	49.7	365	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.1	365	ND		UG/KG	1
4-METHYLPHENOL	47.5	365	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.8	365	ND		UG/KG	1
HEXACHLOROETHANE	54.1	365	ND		UG/KG	1
NITROBENZENE	38.7	365	ND		UG/KG	1
ISOPHORONE	30.9	365	ND		UG/KG	1
2-NITROPHENOL	43.1	365	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.5	365	ND		UG/KG	1
BENZOIC ACID	90.6	365	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.0	365	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.6	365	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.0	365	ND		UG/KG	1
NAPHTHALENE	42.0	365	ND		UG/KG	1
4-CHLOROANILINE	152	365	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.3	365	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.8	365	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.8	365	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.6	365	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.5	365	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.9	365	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.7	365	ND		UG/KG	1
2-NITROANILINE	28.7	365	ND		UG/KG	1
DIMETHYL PHTHALATE	34.3	365	ND		UG/KG	1
ACENAPHTHYLENE	43.1	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0119	ARDL Lab No.:	300439-10 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1405	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.4	365	ND		UG/KG	1
3-NITROANILINE	86.2	365	ND		UG/KG	1
ACENAPHTHENE	35.4	365	ND		UG/KG	1
2,4-DINITROPHENOL	33.1	365	ND		UG/KG	1
4-NITROPHENOL	51.9	365	ND		UG/KG	1
DIBENZOFURAN	37.6	365	ND		UG/KG	1
2,4-DINITROTOLUENE	33.1	365	ND		UG/KG	1
DIETHYLPHTHALATE	39.8	365	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.6	365	ND		UG/KG	1
FLUORENE	38.7	365	ND		UG/KG	1
4-NITROANILINE	65.2	365	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.8	365	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.1	365	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.7	365	ND		UG/KG	1
PHENANTHRENE	33.1	365	ND		UG/KG	1
HEXACHLOROBENZENE	34.3	365	ND		UG/KG	1
PENTACHLOROPHENOL	61.9	365	ND		UG/KG	1
ANTHRACENE	32.0	365	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.3	365	ND		UG/KG	1
FLUORANTHENE	30.9	365	ND		UG/KG	1
PYRENE	30.9	365	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.1	365	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	261	365	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.5	365	ND		UG/KG	1
CHRYSENE	27.6	365	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.3	365	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.9	365	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.6	365	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.9	365	ND		UG/KG	1
BENZO(a)PYRENE	32.0	365	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.5	365	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.3	365	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0124	ARDL Lab No.:	300439-11
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1420	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.8	367	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.6	367	ND		UG/KG	1
2-CHLOROPHENOL	46.7	367	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.1	367	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.7	367	ND		UG/KG	1
BENZYL ALCOHOL	44.5	367	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.2	367	ND		UG/KG	1
2-METHYLPHENOL	50.1	367	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.5	367	ND		UG/KG	1
4-METHYLPHENOL	47.8	367	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.2	367	ND		UG/KG	1
HEXACHLOROETHANE	54.5	367	ND		UG/KG	1
NITROBENZENE	38.9	367	ND		UG/KG	1
ISOPHORONE	31.1	367	ND		UG/KG	1
2-NITROPHENOL	43.4	367	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.7	367	ND		UG/KG	1
BENZOIC ACID	91.2	367	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.3	367	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.9	367	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.3	367	ND		UG/KG	1
NAPHTHALENE	42.3	367	ND		UG/KG	1
4-CHLOROANILINE	154	367	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.6	367	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.0	367	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.0	367	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.8	367	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.7	367	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.2	367	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.9	367	ND		UG/KG	1
2-NITROANILINE	28.9	367	ND		UG/KG	1
DIMETHYL PHTHALATE	34.5	367	ND		UG/KG	1
ACENAPHTHYLENE	43.4	367	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0124	ARDL Lab No.:	300439-11 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1420	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.6	367	ND		UG/KG	1
3-NITROANILINE	86.8	367	ND		UG/KG	1
ACENAPHTHENE	35.6	367	ND		UG/KG	1
2,4-DINITROPHENOL	33.4	367	ND		UG/KG	1
4-NITROPHENOL	52.3	367	ND		UG/KG	1
DIBENZOFURAN	37.8	367	ND		UG/KG	1
2,4-DINITROTOLUENE	33.4	367	ND		UG/KG	1
DIETHYLPHTHALATE	40.0	367	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.8	367	ND		UG/KG	1
FLUORENE	38.9	367	ND		UG/KG	1
4-NITROANILINE	65.6	367	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.2	367	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.4	367	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.9	367	ND		UG/KG	1
PHENANTHRENE	33.4	367	ND		UG/KG	1
HEXACHLOROBENZENE	34.5	367	ND		UG/KG	1
PENTACHLOROPHENOL	62.3	367	ND		UG/KG	1
ANTHRACENE	32.3	367	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.5	367	ND		UG/KG	1
FLUORANTHENE	31.1	367	ND		UG/KG	1
PYRENE	31.1	367	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.4	367	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	367	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.7	367	ND		UG/KG	1
CHRYSENE	27.8	367	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.5	367	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.1	367	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.0	367	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.4	367	ND		UG/KG	1
BENZO(a)PYRENE	32.3	367	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.7	367	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.5	367	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0133	ARDL Lab No.:	300439-12
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1455	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.0	361	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.8	361	ND		UG/KG	1
2-CHLOROPHENOL	45.9	361	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.2	361	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.9	361	ND		UG/KG	1
BENZYL ALCOHOL	43.7	361	ND		UG/KG	1
1,2-DICHLOROBENZENE	60.1	361	ND		UG/KG	1
2-METHYLPHENOL	49.2	361	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	53.6	361	ND		UG/KG	1
4-METHYLPHENOL	47.0	361	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	50.3	361	ND		UG/KG	1
HEXACHLOROETHANE	53.6	361	ND		UG/KG	1
NITROBENZENE	38.3	361	ND		UG/KG	1
ISOPHORONE	30.6	361	ND		UG/KG	1
2-NITROPHENOL	42.6	361	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.1	361	ND		UG/KG	1
BENZOIC ACID	89.6	361	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.5	361	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.1	361	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.5	361	ND		UG/KG	1
NAPHTHALENE	41.5	361	ND		UG/KG	1
4-CHLOROANILINE	151	361	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.8	361	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.3	361	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.3	361	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.2	361	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.1	361	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	40.4	361	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.3	361	ND		UG/KG	1
2-NITROANILINE	28.4	361	ND		UG/KG	1
DIMETHYL PHTHALATE	33.9	361	ND		UG/KG	1
ACENAPHTHYLENE	42.6	361	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0133	ARDL Lab No.:	300439-12 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1455	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	8.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.0	361	ND		UG/KG	1
3-NITROANILINE	85.2	361	ND		UG/KG	1
ACENAPHTHENE	35.0	361	ND		UG/KG	1
2,4-DINITROPHENOL	32.8	361	ND		UG/KG	1
4-NITROPHENOL	51.4	361	ND		UG/KG	1
DIBENZOFURAN	37.2	361	ND		UG/KG	1
2,4-DINITROTOLUENE	32.8	361	ND		UG/KG	1
DIETHYLPHTHALATE	39.3	361	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.2	361	ND		UG/KG	1
FLUORENE	38.3	361	ND		UG/KG	1
4-NITROANILINE	64.5	361	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	50.3	361	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.6	361	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.3	361	ND		UG/KG	1
PHENANTHRENE	32.8	361	ND		UG/KG	1
HEXACHLOROBENZENE	33.9	361	ND		UG/KG	1
PENTACHLOROPHENOL	61.2	361	ND		UG/KG	1
ANTHRACENE	31.7	361	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.0	361	ND		UG/KG	1
FLUORANTHENE	30.6	361	ND		UG/KG	1
PYRENE	30.6	361	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.8	361	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	258	361	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.2	361	ND		UG/KG	1
CHRYSENE	27.3	361	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.9	361	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.6	361	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.9	361	ND		UG/KG	1
BENZO(k)FLUORANTHENE	72.1	361	ND		UG/KG	1
BENZO(a)PYRENE	31.7	361	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.1	361	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.9	361	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0143	ARDL Lab No.:	300439-13
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1530	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.8	352	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.7	352	ND		UG/KG	1
2-CHLOROPHENOL	44.8	352	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.0	352	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.8	352	ND		UG/KG	1
BENZYL ALCOHOL	42.6	352	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.6	352	ND		UG/KG	1
2-METHYLPHENOL	48.0	352	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.2	352	ND		UG/KG	1
4-METHYLPHENOL	45.8	352	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.0	352	ND		UG/KG	1
HEXACHLOROETHANE	52.2	352	ND		UG/KG	1
NITROBENZENE	37.3	352	ND		UG/KG	1
ISOPHORONE	29.9	352	ND		UG/KG	1
2-NITROPHENOL	41.6	352	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.2	352	ND		UG/KG	1
BENZOIC ACID	87.4	352	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.5	352	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.9	352	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.5	352	ND		UG/KG	1
NAPHTHALENE	40.5	352	ND		UG/KG	1
4-CHLOROANILINE	147	352	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.7	352	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.4	352	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.4	352	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.2	352	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.2	352	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.4	352	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.3	352	ND		UG/KG	1
2-NITROANILINE	27.7	352	ND		UG/KG	1
DIMETHYL PHTHALATE	33.0	352	ND		UG/KG	1
ACENAPHTHYLENE	41.6	352	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0143	ARDL Lab No.:	300439-13 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1530	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.2	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.1	352	ND		UG/KG	1
3-NITROANILINE	83.2	352	ND		UG/KG	1
ACENAPHTHENE	34.1	352	ND		UG/KG	1
2,4-DINITROPHENOL	32.0	352	ND		UG/KG	1
4-NITROPHENOL	50.1	352	ND		UG/KG	1
DIBENZOFURAN	36.2	352	ND		UG/KG	1
2,4-DINITROTOLUENE	32.0	352	ND		UG/KG	1
DIETHYLPHTHALATE	38.4	352	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.2	352	ND		UG/KG	1
FLUORENE	37.3	352	ND		UG/KG	1
4-NITROANILINE	62.9	352	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.0	352	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.6	352	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.3	352	ND		UG/KG	1
PHENANTHRENE	32.0	352	ND		UG/KG	1
HEXACHLOROBENZENE	33.0	352	ND		UG/KG	1
PENTACHLOROPHENOL	59.7	352	ND		UG/KG	1
ANTHRACENE	30.9	352	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.5	352	ND		UG/KG	1
FLUORANTHENE	29.9	352	ND		UG/KG	1
PYRENE	29.9	352	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.0	352	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	252	352	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.6	352	ND		UG/KG	1
CHRYSENE	26.7	352	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.0	352	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.9	352	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.5	352	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.4	352	ND		UG/KG	1
BENZO(a)PYRENE	30.9	352	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.2	352	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.0	352	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0156	ARDL Lab No.:	300439-14
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1555	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.3	355	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.1	355	ND		UG/KG	1
2-CHLOROPHENOL	45.2	355	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.4	355	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.2	355	ND		UG/KG	1
BENZYL ALCOHOL	43.1	355	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.2	355	ND		UG/KG	1
2-METHYLPHENOL	48.4	355	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.7	355	ND		UG/KG	1
4-METHYLPHENOL	46.3	355	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.5	355	ND		UG/KG	1
HEXACHLOROETHANE	52.7	355	ND		UG/KG	1
NITROBENZENE	37.7	355	ND		UG/KG	1
ISOPHORONE	30.1	355	ND		UG/KG	1
2-NITROPHENOL	42.0	355	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.5	355	ND		UG/KG	1
BENZOIC ACID	88.3	355	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.9	355	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.4	355	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.9	355	ND		UG/KG	1
NAPHTHALENE	40.9	355	ND		UG/KG	1
4-CHLOROANILINE	149	355	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.1	355	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.8	355	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.8	355	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.6	355	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.5	355	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.8	355	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.7	355	ND		UG/KG	1
2-NITROANILINE	28.0	355	ND		UG/KG	1
DIMETHYL PHTHALATE	33.4	355	ND		UG/KG	1
ACENAPHTHYLENE	42.0	355	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB18-0156	ARDL Lab No.:	300439-14 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/25/1997	Received Date:	02/27/1997
Sample Time:	1555	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	7.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.4	355	ND		UG/KG	1
3-NITROANILINE	84.0	355	ND		UG/KG	1
ACENAPHTHENE	34.4	355	ND		UG/KG	1
2,4-DINITROPHENOL	32.3	355	ND		UG/KG	1
4-NITROPHENOL	50.6	355	ND		UG/KG	1
DIBENZOFURAN	36.6	355	ND		UG/KG	1
2,4-DINITROTOLUENE	32.3	355	ND		UG/KG	1
DIETHYLPHTHALATE	38.8	355	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.6	355	ND		UG/KG	1
FLUORENE	37.7	355	ND		UG/KG	1
4-NITROANILINE	63.5	355	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.5	355	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.0	355	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.7	355	ND		UG/KG	1
PHENANTHRENE	32.3	355	ND		UG/KG	1
HEXACHLOROBENZENE	33.4	355	ND		UG/KG	1
PENTACHLOROPHENOL	60.3	355	ND		UG/KG	1
ANTHRACENE	31.2	355	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.7	355	ND		UG/KG	1
FLUORANTHENE	30.1	355	ND		UG/KG	1
PYRENE	30.1	355	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.3	355	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	254	355	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.8	355	ND		UG/KG	1
CHRYSENE	26.9	355	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.4	355	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.1	355	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.1	355	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.0	355	ND		UG/KG	1
BENZO(a)PYRENE	31.2	355	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.5	355	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.4	355	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0104	ARDL Lab No.:	300439-15
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0810	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	47.7	366	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.5	366	ND		UG/KG	1
2-CHLOROPHENOL	46.6	366	ND		UG/KG	1
1,3-DICHLOROBENZENE	49.9	366	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.6	366	ND		UG/KG	1
BENZYL ALCOHOL	44.3	366	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.0	366	ND		UG/KG	1
2-METHYLPHENOL	49.9	366	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.3	366	ND		UG/KG	1
4-METHYLPHENOL	47.7	366	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.0	366	ND		UG/KG	1
HEXACHLOROETHANE	54.3	366	ND		UG/KG	1
NITROBENZENE	38.8	366	ND		UG/KG	1
ISOPHORONE	31.0	366	ND		UG/KG	1
2-NITROPHENOL	43.2	366	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.6	366	ND		UG/KG	1
BENZOIC ACID	90.9	366	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.1	366	ND		UG/KG	1
2,4-DICHLOROPHENOL	48.8	366	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.1	366	ND		UG/KG	1
NAPHTHALENE	42.1	366	ND		UG/KG	1
4-CHLOROANILINE	153	366	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.5	366	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	39.9	366	ND		UG/KG	1
2-METHYLNAPHTHALENE	39.9	366	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.7	366	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.6	366	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.0	366	ND		UG/KG	1
2-CHLORONAPHTHALENE	38.8	366	ND		UG/KG	1
2-NITROANILINE	28.8	366	ND		UG/KG	1
DIMETHYL PHTHALATE	34.4	366	ND		UG/KG	1
ACENAPHTHYLENE	43.2	366	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0101	ARDL Lab No.:	300439-21
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0805	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.8	374	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.5	374	ND		UG/KG	1
2-CHLOROPHENOL	47.6	374	ND		UG/KG	1
1,3-DICHLOROBENZENE	51.0	374	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.6	374	ND		UG/KG	1
BENZYL ALCOHOL	45.4	374	ND		UG/KG	1
1,2-DICHLOROBENZENE	62.4	374	ND		UG/KG	1
2-METHYLPHENOL	51.0	374	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.6	374	ND		UG/KG	1
4-METHYLPHENOL	48.8	374	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	52.2	374	ND		UG/KG	1
HEXACHLOROETHANE	55.6	374	ND		UG/KG	1
NITROBENZENE	39.7	374	ND		UG/KG	1
ISOPHORONE	31.7	374	ND		UG/KG	1
2-NITROPHENOL	44.2	374	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.4	374	ND		UG/KG	1
BENZOIC ACID	93.0	374	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	43.1	374	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.9	374	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	43.1	374	ND		UG/KG	1
NAPHTHALENE	43.1	374	ND		UG/KG	1
4-CHLOROANILINE	156	374	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.5	374	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.8	374	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.8	374	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.5	374	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.4	374	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	42.0	374	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.7	374	ND		UG/KG	1
2-NITROANILINE	29.5	374	ND		UG/KG	1
DIMETHYL PHTHALATE	35.1	374	ND		UG/KG	1
ACENAPHTHYLENE	44.2	374	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0101	ARDL Lab No.:	300439-21 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0805	Prep. Date:	02/28/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2064
% Moisture:	11.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	36.3	374	ND		UG/KG	1
3-NITROANILINE	88.4	374	ND		UG/KG	1
ACENAPHTHENE	36.3	374	ND		UG/KG	1
2,4-DINITROPHENOL	34.0	374	ND		UG/KG	1
4-NITROPHENOL	53.3	374	ND		UG/KG	1
DIBENZOFURAN	38.5	374	ND		UG/KG	1
2,4-DINITROTOLUENE	34.0	374	ND		UG/KG	1
DIETHYLPHTHALATE	40.8	374	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.5	374	ND		UG/KG	1
FLUORENE	39.7	374	ND		UG/KG	1
4-NITROANILINE	66.9	374	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	52.2	374	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	44.2	374	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.7	374	ND		UG/KG	1
PHENANTHRENE	34.0	374	ND		UG/KG	1
HEXACHLOROBENZENE	35.1	374	ND		UG/KG	1
PENTACHLOROPHENOL	63.5	374	ND		UG/KG	1
ANTHRACENE	32.9	374	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.9	374	ND		UG/KG	1
FLUORANTHENE	31.7	374	ND		UG/KG	1
PYRENE	31.7	374	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	34.0	374	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	268	374	ND		UG/KG	1
BENZO(a)ANTHRACENE	27.2	374	ND		UG/KG	1
CHRYSENE	28.3	374	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	35.1	374	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.7	374	ND		UG/KG	1
BENZO(b)FLUORANTHENE	60.1	374	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.8	374	ND		UG/KG	1
BENZO(a)PYRENE	32.9	374	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.4	374	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	35.1	374	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0104	ARDL Lab No.:	300439-15 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0810	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/07/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	9.8	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.5	366	ND		UG/KG	1
3-NITROANILINE	86.5	366	ND		UG/KG	1
ACENAPHTHENE	35.5	366	ND		UG/KG	1
2,4-DINITROPHENOL	33.3	366	ND		UG/KG	1
4-NITROPHENOL	52.1	366	ND		UG/KG	1
DIBENZOFURAN	37.7	366	ND		UG/KG	1
2,4-DINITROTOLUENE	33.3	366	ND		UG/KG	1
DIETHYLPHTHALATE	39.9	366	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.7	366	ND		UG/KG	1
FLUORENE	38.8	366	ND		UG/KG	1
4-NITROANILINE	65.4	366	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.0	366	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.2	366	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	38.8	366	ND		UG/KG	1
PHENANTHRENE	33.3	366	ND		UG/KG	1
HEXACHLOROBENZENE	34.4	366	ND		UG/KG	1
PENTACHLOROPHENOL	62.1	366	ND		UG/KG	1
ANTHRACENE	32.2	366	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.4	366	ND		UG/KG	1
FLUORANTHENE	31.0	366	44.8	J	UG/KG	1
PYRENE	31.0	366	60.6	J	UG/KG	1
BUTYLBENZYLPHTHALATE	33.3	366	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	262	366	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.6	366	ND		UG/KG	1
CHRYSENE	27.7	366	33.7	J	UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.4	366	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.0	366	ND		UG/KG	1
BENZO(b)FLUORANTHENE	58.8	366	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.2	366	ND		UG/KG	1
BENZO(a)PYRENE	32.2	366	35.8	J	UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.6	366	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.4	366	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0117	ARDL Lab No.:	300439-16
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0825	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.0	368	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.8	368	ND		UG/KG	1
2-CHLOROPHENOL	46.9	368	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.2	368	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.9	368	ND		UG/KG	1
BENZYL ALCOHOL	44.6	368	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.4	368	ND		UG/KG	1
2-METHYLPHENOL	50.2	368	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.7	368	ND		UG/KG	1
4-METHYLPHENOL	48.0	368	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.3	368	ND		UG/KG	1
HEXACHLOROETHANE	54.7	368	ND		UG/KG	1
NITROBENZENE	39.1	368	ND		UG/KG	1
ISOPHORONE	31.3	368	ND		UG/KG	1
2-NITROPHENOL	43.5	368	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.8	368	ND		UG/KG	1
BENZOIC ACID	91.5	368	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.4	368	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.1	368	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.4	368	ND		UG/KG	1
NAPHTHALENE	42.4	368	ND		UG/KG	1
4-CHLOROANILINE	154	368	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.8	368	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.2	368	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.2	368	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	37.9	368	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.8	368	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.3	368	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	368	ND		UG/KG	1
2-NITROANILINE	29.0	368	ND		UG/KG	1
DIMETHYL PHTHALATE	34.6	368	ND		UG/KG	1
ACENAPHTHYLENE	43.5	368	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0117	ARDL Lab No.:	300439-16 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0825	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.4	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.7	368	ND		UG/KG	1
3-NITROANILINE	87.1	368	ND		UG/KG	1
ACENAPHTHENE	35.7	368	ND		UG/KG	1
2,4-DINITROPHENOL	33.5	368	ND		UG/KG	1
4-NITROPHENOL	52.5	368	ND		UG/KG	1
DIBENZOFURAN	37.9	368	ND		UG/KG	1
2,4-DINITROTOLUENE	33.5	368	ND		UG/KG	1
DIETHYLPHTHALATE	40.2	368	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	37.9	368	ND		UG/KG	1
FLUORENE	39.1	368	ND		UG/KG	1
4-NITROANILINE	65.8	368	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.3	368	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.5	368	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	368	ND		UG/KG	1
PHENANTHRENE	33.5	368	ND		UG/KG	1
HEXACHLOROBENZENE	34.6	368	ND		UG/KG	1
PENTACHLOROPHENOL	62.5	368	ND		UG/KG	1
ANTHRACENE	32.4	368	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	368	ND		UG/KG	1
FLUORANTHENE	31.3	368	ND		UG/KG	1
PYRENE	31.3	368	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.5	368	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	263	368	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	368	ND		UG/KG	1
CHRYSENE	27.9	368	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.6	368	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	368	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.2	368	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.7	368	ND		UG/KG	1
BENZO(a)PYRENE	32.4	368	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.8	368	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.6	368	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0129	ARDL Lab No.:	300439-17
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.0	369	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	45.8	369	ND		UG/KG	1
2-CHLOROPHENOL	46.9	369	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.3	369	ND		UG/KG	1
1,4-DICHLOROBENZENE	46.9	369	ND		UG/KG	1
BENZYL ALCOHOL	44.7	369	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.5	369	ND		UG/KG	1
2-METHYLPHENOL	50.3	369	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	54.7	369	ND		UG/KG	1
4-METHYLPHENOL	48.0	369	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.4	369	ND		UG/KG	1
HEXACHLOROETHANE	54.7	369	ND		UG/KG	1
NITROBENZENE	39.1	369	ND		UG/KG	1
ISOPHORONE	31.3	369	ND		UG/KG	1
2-NITROPHENOL	43.6	369	ND		UG/KG	1
2,4-DIMETHYLPHENOL	36.9	369	ND		UG/KG	1
BENZOIC ACID	91.6	369	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.5	369	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.2	369	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.5	369	ND		UG/KG	1
NAPHTHALENE	42.5	369	ND		UG/KG	1
4-CHLOROANILINE	154	369	ND		UG/KG	1
HEXACHLOROBUTADIENE	45.8	369	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.2	369	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.2	369	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.0	369	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	36.9	369	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.3	369	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.1	369	ND		UG/KG	1
2-NITROANILINE	29.1	369	ND		UG/KG	1
DIMETHYL PHTHALATE	34.6	369	ND		UG/KG	1
ACENAPHTHYLENE	43.6	369	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0129	ARDL Lab No.:	300439-17 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0850	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/05/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.5	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.8	369	ND		UG/KG	1
3-NITROANILINE	87.2	369	ND		UG/KG	1
ACENAPHTHENE	35.8	369	ND		UG/KG	1
2,4-DINITROPHENOL	33.5	369	ND		UG/KG	1
4-NITROPHENOL	52.5	369	ND		UG/KG	1
DIBENZOFURAN	38.0	369	ND		UG/KG	1
2,4-DINITROTOLUENE	33.5	369	ND		UG/KG	1
DIETHYLPHTHALATE	40.2	369	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.0	369	ND		UG/KG	1
FLUORENE	39.1	369	ND		UG/KG	1
4-NITROANILINE	65.9	369	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.4	369	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.6	369	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.1	369	ND		UG/KG	1
PHENANTHRENE	33.5	369	ND		UG/KG	1
HEXACHLOROBENZENE	34.6	369	ND		UG/KG	1
PENTACHLOROPHENOL	62.6	369	ND		UG/KG	1
ANTHRACENE	32.4	369	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.6	369	ND		UG/KG	1
FLUORANTHENE	31.3	369	ND		UG/KG	1
PYRENE	31.3	369	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.5	369	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	264	369	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.8	369	ND		UG/KG	1
CHRYSENE	27.9	369	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.6	369	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.3	369	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.2	369	ND		UG/KG	1
BENZO(k)FLUORANTHENE	73.7	369	ND		UG/KG	1
BENZO(a)PYRENE	32.4	369	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	36.9	369	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.6	369	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0133	ARDL Lab No.:	300439-18
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	48.3	370	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	46.0	370	ND		UG/KG	1
2-CHLOROPHENOL	47.1	370	ND		UG/KG	1
1,3-DICHLOROBENZENE	50.5	370	ND		UG/KG	1
1,4-DICHLOROBENZENE	47.1	370	ND		UG/KG	1
BENZYL ALCOHOL	44.9	370	ND		UG/KG	1
1,2-DICHLOROBENZENE	61.7	370	ND		UG/KG	1
2-METHYLPHENOL	50.5	370	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	55.0	370	ND		UG/KG	1
4-METHYLPHENOL	48.3	370	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	51.6	370	ND		UG/KG	1
HEXACHLOROETHANE	55.0	370	ND		UG/KG	1
NITROBENZENE	39.3	370	ND		UG/KG	1
ISOPHORONE	31.4	370	ND		UG/KG	1
2-NITROPHENOL	43.8	370	ND		UG/KG	1
2,4-DIMETHYLPHENOL	37.0	370	ND		UG/KG	1
BENZOIC ACID	92.0	370	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	42.6	370	ND		UG/KG	1
2,4-DICHLOROPHENOL	49.4	370	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	42.6	370	ND		UG/KG	1
NAPHTHALENE	42.6	370	ND		UG/KG	1
4-CHLOROANILINE	155	370	ND		UG/KG	1
HEXACHLOROBUTADIENE	46.0	370	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	40.4	370	ND		UG/KG	1
2-METHYLNAPHTHALENE	40.4	370	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	38.2	370	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	37.0	370	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	41.5	370	ND		UG/KG	1
2-CHLORONAPHTHALENE	39.3	370	ND		UG/KG	1
2-NITROANILINE	29.2	370	ND		UG/KG	1
DIMETHYL PHTHALATE	34.8	370	ND		UG/KG	1
ACENAPHTHYLENE	43.8	370	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0133	ARDL Lab No.:	300439-18 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	0930	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	10.9	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	35.9	370	ND		UG/KG	1
3-NITROANILINE	87.5	370	ND		UG/KG	1
ACENAPHTHENE	35.9	370	ND		UG/KG	1
2,4-DINITROPHENOL	33.7	370	ND		UG/KG	1
4-NITROPHENOL	52.7	370	ND		UG/KG	1
DIBENZOFURAN	38.2	370	ND		UG/KG	1
2,4-DINITROTOLUENE	33.7	370	ND		UG/KG	1
DIETHYLPHTHALATE	40.4	370	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	38.2	370	ND		UG/KG	1
FLUORENE	39.3	370	ND		UG/KG	1
4-NITROANILINE	66.2	370	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	51.6	370	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	43.8	370	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	39.3	370	ND		UG/KG	1
PHENANTHRENE	33.7	370	ND		UG/KG	1
HEXACHLOROBENZENE	34.8	370	ND		UG/KG	1
PENTACHLOROPHENOL	62.9	370	ND		UG/KG	1
ANTHRACENE	32.5	370	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	24.7	370	ND		UG/KG	1
FLUORANTHENE	31.4	370	ND		UG/KG	1
PYRENE	31.4	370	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	33.7	370	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	265	370	ND		UG/KG	1
BENZO(a)ANTHRACENE	26.9	370	ND		UG/KG	1
CHRYSENE	28.1	370	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	34.8	370	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	31.4	370	ND		UG/KG	1
BENZO(b)FLUORANTHENE	59.5	370	ND		UG/KG	1
BENZO(k)FLUORANTHENE	74.1	370	ND		UG/KG	1
BENZO(a)PYRENE	32.5	370	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	37.0	370	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	34.8	370	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0145	ARDL Lab No.:	300439-19
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1010	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	46.4	356	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	44.2	356	ND		UG/KG	1
2-CHLOROPHENOL	45.3	356	ND		UG/KG	1
1,3-DICHLOROBENZENE	48.5	356	ND		UG/KG	1
1,4-DICHLOROBENZENE	45.3	356	ND		UG/KG	1
BENZYL ALCOHOL	43.1	356	ND		UG/KG	1
1,2-DICHLOROBENZENE	59.3	356	ND		UG/KG	1
2-METHYLPHENOL	48.5	356	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.9	356	ND		UG/KG	1
4-METHYLPHENOL	46.4	356	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.6	356	ND		UG/KG	1
HEXACHLOROETHANE	52.9	356	ND		UG/KG	1
NITROBENZENE	37.8	356	ND		UG/KG	1
ISOPHORONE	30.2	356	ND		UG/KG	1
2-NITROPHENOL	42.1	356	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.6	356	ND		UG/KG	1
BENZOIC ACID	88.5	356	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	41.0	356	ND		UG/KG	1
2,4-DICHLOROPHENOL	47.5	356	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	41.0	356	ND		UG/KG	1
NAPHTHALENE	41.0	356	ND		UG/KG	1
4-CHLOROANILINE	149	356	ND		UG/KG	1
HEXACHLOROBUTADIENE	44.2	356	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.8	356	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.8	356	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.7	356	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.6	356	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.9	356	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.8	356	ND		UG/KG	1
2-NITROANILINE	28.0	356	ND		UG/KG	1
DIMETHYL PHTHALATE	33.4	356	ND		UG/KG	1
ACENAPHTHYLENE	42.1	356	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0145	ARDL Lab No.:	300439-19 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1010	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	7.3	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.5	356	ND		UG/KG	1
3-NITROANILINE	84.1	356	ND		UG/KG	1
ACENAPHTHENE	34.5	356	ND		UG/KG	1
2,4-DINITROPHENOL	32.4	356	ND		UG/KG	1
4-NITROPHENOL	50.7	356	ND		UG/KG	1
DIBENZOFURAN	36.7	356	ND		UG/KG	1
2,4-DINITROTOLUENE	32.4	356	ND		UG/KG	1
DIETHYLPHTHALATE	38.8	356	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.7	356	ND		UG/KG	1
FLUORENE	37.8	356	ND		UG/KG	1
4-NITROANILINE	63.6	356	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.6	356	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	42.1	356	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.8	356	ND		UG/KG	1
PHENANTHRENE	32.4	356	ND		UG/KG	1
HEXACHLOROBENZENE	33.4	356	ND		UG/KG	1
PENTACHLOROPHENOL	60.4	356	ND		UG/KG	1
ANTHRACENE	31.3	356	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.7	356	ND		UG/KG	1
FLUORANTHENE	30.2	356	ND		UG/KG	1
PYRENE	30.2	356	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	32.4	356	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	255	356	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.9	356	ND		UG/KG	1
CHRYSENE	27.0	356	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.4	356	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	30.2	356	ND		UG/KG	1
BENZO(b)FLUORANTHENE	57.2	356	ND		UG/KG	1
BENZO(k)FLUORANTHENE	71.2	356	ND		UG/KG	1
BENZO(a)PYRENE	31.3	356	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.6	356	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.4	356	ND		UG/KG	1

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Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0159	ARDL Lab No.:	300439-20
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1100	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
PHENOL	45.8	351	ND		UG/KG	1
BIS(-2-CHLOROETHYL)ETHER	43.7	351	ND		UG/KG	1
2-CHLOROPHENOL	44.7	351	ND		UG/KG	1
1,3-DICHLOROBENZENE	47.9	351	ND		UG/KG	1
1,4-DICHLOROBENZENE	44.7	351	ND		UG/KG	1
BENZYL ALCOHOL	42.6	351	ND		UG/KG	1
1,2-DICHLOROBENZENE	58.6	351	ND		UG/KG	1
2-METHYLPHENOL	47.9	351	ND		UG/KG	1
2,2'-OXYBIS(1-CHLOROPROPANE)	52.2	351	ND		UG/KG	1
4-METHYLPHENOL	45.8	351	ND		UG/KG	1
N-NITROSO-DI-N-PROPYLAMINE	49.0	351	ND		UG/KG	1
HEXACHLOROETHANE	52.2	351	ND		UG/KG	1
NITROBENZENE	37.3	351	ND		UG/KG	1
ISOPHORONE	29.8	351	ND		UG/KG	1
2-NITROPHENOL	41.5	351	ND		UG/KG	1
2,4-DIMETHYLPHENOL	35.1	351	ND		UG/KG	1
BENZOIC ACID	87.3	351	ND		UG/KG	1
BIS(-2-CHLOROETHOXY)METHANE	40.5	351	ND		UG/KG	1
2,4-DICHLOROPHENOL	46.9	351	ND		UG/KG	1
1,2,4-TRICHLOROBENZENE	40.5	351	ND		UG/KG	1
NAPHTHALENE	40.5	351	ND		UG/KG	1
4-CHLOROANILINE	147	351	ND		UG/KG	1
HEXACHLOROBUTADIENE	43.7	351	ND		UG/KG	1
4-CHLORO-3-METHYLPHENOL	38.3	351	ND		UG/KG	1
2-METHYLNAPHTHALENE	38.3	351	ND		UG/KG	1
HEXACHLOROCYCLOPENTADIENE	36.2	351	ND		UG/KG	1
2,4,6-TRICHLOROPHENOL	35.1	351	ND		UG/KG	1
2,4,5-TRICHLOROPHENOL	39.4	351	ND		UG/KG	1
2-CHLORONAPHTHALENE	37.3	351	ND		UG/KG	1
2-NITROANILINE	27.7	351	ND		UG/KG	1
DIMETHYL PHTHALATE	33.0	351	ND		UG/KG	1
ACENAPHTHYLENE	41.5	351	ND		UG/KG	1

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Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/19/1997

Project Name: CANNON AFB FIRE T AR Analysis: BNA'S (METHOD 8270)
Project No.: Analytical Method: 8270B
Prep Method: 3550A

Field ID:	CANFTA4-SB19-0159	ARDL Lab No.:	300439-20 (cont'd)
Desc/Location:	NA	Lab Filename:	
Sample Date:	02/26/1997	Received Date:	02/27/1997
Sample Time:	1100	Prep. Date:	03/03/1997
Matrix:	SOIL	Analysis Date:	03/06/1997
Amount Used:	30 g	QC Batch:	B2071
% Moisture:	6.1	Level:	LOW

Parameter	Method Limit	Reporting Limit	Result	Data Flag	Units	Dilution Factor
2,6-DINITROTOLUENE	34.1	351	ND		UG/KG	1
3-NITROANILINE	83.1	351	ND		UG/KG	1
ACENAPHTHENE	34.1	351	ND		UG/KG	1
2,4-DINITROPHENOL	31.9	351	ND		UG/KG	1
4-NITROPHENOL	50.1	351	ND		UG/KG	1
DIBENZOFURAN	36.2	351	ND		UG/KG	1
2,4-DINITROTOLUENE	31.9	351	ND		UG/KG	1
DIETHYLPHTHALATE	38.3	351	ND		UG/KG	1
4-CHLOROPHENYL-PHENYLETHER	36.2	351	ND		UG/KG	1
FLUORENE	37.3	351	ND		UG/KG	1
4-NITROANILINE	62.8	351	ND		UG/KG	1
4,6-DINITRO-2-METHYLPHENOL	49.0	351	ND		UG/KG	1
N-NITROSODIPHENYLAMINE	41.5	351	ND		UG/KG	1
4-BROMOPHENYL-PHENYLETHER	37.3	351	ND		UG/KG	1
PHENANTHRENE	31.9	351	ND		UG/KG	1
HEXACHLOROBENZENE	33.0	351	ND		UG/KG	1
PENTACHLOROPHENOL	59.6	351	ND		UG/KG	1
ANTHRACENE	30.9	351	ND		UG/KG	1
DI-N-BUTYLPHTHALATE	23.4	351	ND		UG/KG	1
FLUORANTHENE	29.8	351	ND		UG/KG	1
PYRENE	29.8	351	ND		UG/KG	1
BUTYLBENZYLPHTHALATE	31.9	351	ND		UG/KG	1
3,3'-DICHLOROBENZIDINE	251	351	ND		UG/KG	1
BENZO(a)ANTHRACENE	25.6	351	ND		UG/KG	1
CHRYSENE	26.6	351	ND		UG/KG	1
BIS(2-ETHYLHEXYL)PHTHALATE	33.0	351	ND		UG/KG	1
DI-N-OCTYL PHTHALATE	29.8	351	ND		UG/KG	1
BENZO(b)FLUORANTHENE	56.4	351	ND		UG/KG	1
BENZO(k)FLUORANTHENE	70.3	351	ND		UG/KG	1
BENZO(a)PYRENE	30.9	351	ND		UG/KG	1
INDENO(1,2,3-cd)PYRENE	35.1	351	ND		UG/KG	1
DIBENZO(a,h)ANTHRACENE	33.0	351	ND		UG/KG	1

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Lab Report No: 300427 Report Date: 03/03/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0103 ARDL No: 300427-01
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/19/1997 Matrix: SOIL
Sampling Time: 1632 Moisture: 9.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	6370	MG/KG	3050	6010	02/24/97	02/25/97	P1866
ANTIMONY	2.2	5.6	MG/KG	3050	6010	02/24/97	02/25/97	P1866
ARSENIC	0.055	1.5	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	55.0	MG/KG	3050	6010	02/24/97	02/25/97	P1866
BERYLLIUM	0.11	0.37	MG/KG	3050	6010	02/24/97	02/25/97	P1866
CADMIUM	0.55	ND	MG/KG	3050	6010	02/24/97	02/25/97	P1866
CALCIUM	11.1	3540	MG/KG	3050	6010	02/24/97	02/25/97	P1866
CHROMIUM	0.55	6.7	MG/KG	3050	6010	02/24/97	02/25/97	P1866
COBALT	0.55	2.4	MG/KG	3050	6010	02/24/97	02/25/97	P1866
COPPER	1.1	14.6	MG/KG	3050	6010	02/24/97	02/25/97	P1866
IRON	5.5	6260	MG/KG	3050	6010	02/24/97	02/25/97	P1866
LEAD	0.55	6.2	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.1	888	MG/KG	3050	6010	02/24/97	02/25/97	P1866
MANGANESE	0.55	115	MG/KG	3050	6010	02/24/97	02/25/97	P1866
MERCURY	0.089	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.2	28.3	MG/KG	3050	6010	02/24/97	02/25/97	P1866
POTASSIUM	166	968	MG/KG	3050	6010	02/24/97	02/25/97	P1866
SELENIUM	0.055	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.55	ND	MG/KG	3050	6010	02/24/97	02/25/97	P1866
SODIUM	44.3	163	MG/KG	3050	6010	02/24/97	02/25/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.55	11.4	MG/KG	3050	6010	02/24/97	02/25/97	P1866
ZINC	0.55	20.6	MG/KG	3050	6010	02/24/97	02/25/97	P1866
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	416	1940	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	90.2	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/05/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0119 ARDL No: 300427-02
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/19/1997 Matrix: SOIL
Sampling Time: 1708 Moisture: 12.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	6510	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.3	4.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.057	1.8	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	221	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.39	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	115	169000	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.57	7.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.57	2.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	2.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.7	4800	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	4	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.5	5520	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.57	55.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.092	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.3	5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	172	1700	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.057	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	45.9	269	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.57	12.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.57	27.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	430	5560	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	87.2	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/05/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0127 ARDL No: 300427-03
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/19/1997 Matrix: SOIL
Sampling Time: 1810 Moisture: 9.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	4640	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.2	4.7	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.055	1.3	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	102	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.27	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	111	109000	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.55	6.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.55	1.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	1.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.5	3530	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	2.5	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.1	2760	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.55	39.7	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.089	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.2	3.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	166	1010	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.055	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	44.3	150	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.55	9.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.55	26.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	415	5120	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	90.3	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/05/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0138 ARDL No: 300427-04
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 0835 Moisture: 9

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3840	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.2	3.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.055	0.99	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	68.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.21	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	110	113000	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.55	5.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.55	1.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.5	2840	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	1.9	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.0	4300	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.55	29.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.088	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.2	2.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	165	587	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.055	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	44.0	151	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.55	15.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.55	10.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	412	1600	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	91.0	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/05/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0142 ARDL No: 300427-05
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 0920 Moisture: 12.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	3960	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.3	3.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.057	1.4	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	303	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.21	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	11.4	70300	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.57	4.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.57	1.9	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.7	3300	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	2.5	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.4	3290	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.57	31.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.091	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.3	3.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	171	758	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.057	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	45.5	132	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.57	14.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.57	11.0	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	427	1990	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	87.9	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/03/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0155 ARDL No: 300427-06
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1105 Moisture: 12.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	3470	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.3	3.7	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.057	0.97	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	53.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.19	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	11.5	46800	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.57	5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.57	1.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.7	3490	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	2.4	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.5	3620	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.57	39.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.092	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.3	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	172	766	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.057	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.57	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	45.8	162	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.57	9	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.57	15.0	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	17.2	63.2	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	87.3	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/03/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0165 ARDL No: 300427-07
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1230 Moisture: 15

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.9	2900	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.4	3.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.059	1	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.2	88.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.12	0.17	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.59	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	11.8	90100	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.59	6.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.59	1.6	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.2	1.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.9	3120	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.12	1.9	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.8	3810	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.59	34.7	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.094	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.4	2.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	176	509	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.059	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.59	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	47.1	140	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.12	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.59	10.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.59	7.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.58	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	17.6	141	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	85.0	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/03/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0173 ARDL No: 300427-08
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1300 Moisture: 6.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	2310	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.1	2.4	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.054	0.74	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	15.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.16	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.54	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	10.7	21200	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.54	3.0	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.54	1.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.4	2570	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	2.1	MG/KG	3050	7421	02/24/97	02/25/97	F1861
MAGNESIUM	10.7	2380	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.54	39.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.086	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	161	434	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.054	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.54	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	42.9	73.1	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.54	8.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.54	11.3	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	16.1	16.1	MG/KG	9071	418.1	02/24/97	02/25/97	02273891
SOLIDS, TOTAL	1.0	93.2	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300427 Report Date: 03/03/1997

Project Name: CANNON AFB FIRE TRAI Analysis: Inorganics
Project No:

Field ID: SB01-0180 ARDL No: 300427-09
Sampling Loc'n: NA Received: 02/22/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1420 Moisture: 9.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	1960	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ANTIMONY	2.2	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ARSENIC	0.055	0.66	MG/KG	3050	7061	02/24/97	02/25/97	BH2662
BARIUM	1.1	20.0	MG/KG	3050	6010	02/24/97	02/26/97	P1866
BERYLLIUM	0.11	0.13	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CADMIUM	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CALCIUM	11.0	3330	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CHROMIUM	0.55	3.5	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COBALT	0.55	1.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
COPPER	1.1	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
IRON	5.5	2500	MG/KG	3050	6010	02/24/97	02/26/97	P1866
LEAD	0.11	1.9	MG/KG	3050	7421	02/24/97	02/25/97	F1863
MAGNESIUM	11.0	2310	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MANGANESE	0.55	23.9	MG/KG	3050	6010	02/24/97	02/26/97	P1866
MERCURY	0.088	ND	MG/KG	7470	7470	02/24/97	02/24/97	C0790
NICKEL	2.2	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
POTASSIUM	165	383	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SELENIUM	0.055	ND	MG/KG	3050	7741	02/24/97	02/25/97	BH2663
SILVER	0.55	ND	MG/KG	3050	6010	02/24/97	02/26/97	P1866
SODIUM	44.1	81.7	MG/KG	3050	6010	02/24/97	02/26/97	P1866
THALLIUM	0.11	ND	MG/KG	3050	7841	02/24/97	02/25/97	F1864
VANADIUM	0.55	7.8	MG/KG	3050	6010	02/24/97	02/26/97	P1866
ZINC	0.55	9.2	MG/KG	3050	6010	02/24/97	02/26/97	P1866
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/24/97	02/25/97	02263887
PETROLEUM HYDROCARBONS	16.5	17.6	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	90.8	%	NONE	160.3	NA	02/24/97	02263886

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB02-0101 ARDL No: 300433-04
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 0915 Moisture: 14.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.8	9990	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	5.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.12	2.7	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.2	95.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.12	0.64	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.7	2850	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.58	10.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.58	4.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.2	6.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.8	10700	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.58	20.4	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.7	1530	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.58	266	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.093	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	9.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	175	1950	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.29	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	46.7	71.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.12	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.58	21.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.58	23.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	17.5	145	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	85.7	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB02-0109 ARDL No: 300433-05
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 0935 Moisture: 10.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	7990	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	3.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.056	1.4	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	67.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.51	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.2	1870	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	8.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	3.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	5.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	8610	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.56	7.1	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.2	1250	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	134	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.09	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	7.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	168	1460	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	44.8	67.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	17.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	18.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.52	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.8	27.8	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	89.3	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB02-0119 ARDL No: 300433-06
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 0945 Moisture: 10.4

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	5590	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.056	1.8	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	241	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.42	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.2	52300	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	5.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	2.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	3.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	5800	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.56	6.2	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.2	3120	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	86.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.089	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	7.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	167	1760	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	44.6	207	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	20.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	11.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.7	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	89.6	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB03-0101 ARDL No: 300433-10
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1310 Moisture: 9.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	5510	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.055	1.3	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	53.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.42	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.55	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.1	2170	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.55	6.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.55	2.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	4.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.5	5690	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	4.2	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.1	990	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.55	77.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.089	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	6.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	166	1140	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.55	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	44.3	51.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.55	12.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.55	11.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.6	24.2	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	90.2	%	NONE	160.3	NA	02/26/97	03103919

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB03-0109 ARDL No: 300433-11
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1320 Moisture: 11.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	4370	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	2.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.056	1.1	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	116	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.34	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.3	94500	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	3.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	2.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	3510	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	3.2	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.3	2320	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	44.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.09	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	169	1200	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	45.2	78.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	9.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	10.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.9	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	88.5	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB03-0119 ARDL No: 300433-12
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1335 Moisture: 11.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	6030	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.056	1.8	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	342	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.47	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.2	38000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	6.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	2.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	3.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	5860	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.56	6.5	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.2	3050	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	38.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.090	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	5.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	169	1880	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	25.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	45.0	84.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	22.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	11.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.9	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	88.9	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB04-0101 ARDL No: 300433-01
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1725 Moisture: 11.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	5460	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	2.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.057	1.4	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	71.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.43	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.3	7870	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.57	6.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.57	3.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	5.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.7	6330	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.57	5.7	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.3	1220	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.57	125	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.091	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	7.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	170	1230	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	45.3	104	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.57	14.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.57	16.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	425	3270	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	88.3	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB04-0109 ARDL No: 300433-02
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1740 Moisture: 13

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	4420	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.057	1.2	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	897	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.33	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	57.5	116000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.57	4.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.57	3.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	2.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.7	3880	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	3.5	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.5	3170	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.57	51.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.092	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	172	1120	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.29	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	46.0	103	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.57	11.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.57	11.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	17.2	139	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	87.0	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB04-0119 ARDL No: 300433-03
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/20/1997 Matrix: SOIL
Sampling Time: 1800 Moisture: 12.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	5710	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	4.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.057	2.1	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	79.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.44	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.5	72200	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.57	4.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.57	3.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	4.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.7	5320	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.57	6.7	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.5	3870	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.57	109	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.092	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	172	1930	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.29	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.57	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	45.8	270	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.57	19.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.57	13.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	17.2	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	87.3	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB05-0101 ARDL No: 300433-13
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1430 Moisture: 7.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	6490	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	3.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.054	1.6	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	69.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.45	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	10.8	3050	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.54	7.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.54	3.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	8.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.4	7930	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.54	9.7	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	10.8	1070	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.54	162	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.086	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	7.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	161	1450	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.27	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	43.1	60.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.54	16.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.54	18.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.1	73.9	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	92.9	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB05-0109 ARDL No: 300433-14
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1445 Moisture: 6.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3420	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.1	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.053	1.5	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	258	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.41	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.53	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	10.7	67700	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.53	3.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.53	2.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	3.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.3	3680	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	3.6	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	10.7	1890	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.53	76.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.085	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.1	3.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	160	859	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.27	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.53	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	42.6	243	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.53	15.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.53	9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.0	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	93.8	%	NONE	160.3	NA	02/26/97	03103919

ARDL, INC.
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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB05-0112 ARDL No: 300433-15
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1505 Moisture: 7.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	4770	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.054	1.1	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	86.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.46	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	10.8	37200	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.54	4.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.54	2.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	3.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.4	4860	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	3.9	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	10.8	2460	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.54	95.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.087	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	5.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	163	1430	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.27	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	43.3	259	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.54	14.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.54	11.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.3	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	92.3	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB06-0101 ARDL No: 300433-16
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 0755 Moisture: 7.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	5720	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.054	1.5	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	91.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.41	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	10.8	28500	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.54	6.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.54	2.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	6.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.4	6200	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.54	9	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	10.8	1180	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.54	101	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.086	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	6.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	162	1810	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.27	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.54	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	43.1	117	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.54	13.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.54	15.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.2	118	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	92.7	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB06-0107 ARDL No: 300433-17
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 0810 Moisture: 10.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	3760	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.056	1.8	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	562	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.31	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	56.1	150000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	4.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	2.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	2.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	4150	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	3.3	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.2	2450	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	57.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.09	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	4.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	168	905	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	44.8	129	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	11.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	9.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.8	44.2	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	89.2	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB06-0117 ARDL No: 300433-18
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 0825 Moisture: 8.9

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3160	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.055	2	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	128	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.25	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.55	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	54.9	148000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.55	3.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.55	1.6	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	1.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.5	3000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	2.2	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.0	2450	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.55	28.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.088	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	4.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	165	900	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.27	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.55	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	43.9	216	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.55	15.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.55	6.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.5	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	91.1	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB07-0101 ARDL No: 300433-07
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1115 Moisture: 13.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.8	8900	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	3.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.058	1.7	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.2	76.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.12	0.58	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	11.5	2110	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.58	9.8	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.58	4.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.2	6.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.8	9680	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.58	8.7	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.5	1460	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.58	163	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.092	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	8.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	173	1540	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.29	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	46.0	79.0	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.12	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.58	19.5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.58	22.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	17.3	28.5	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	86.9	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB07-0109 ARDL No: 300433-08
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1130 Moisture: 13.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.8	6920	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.3	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.058	1.4	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.2	1030	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.12	0.69	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	57.8	118000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.58	2.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.58	3.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.2	3.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.8	2740	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.58	7	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.6	3640	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.58	82.2	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.092	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.3	5	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	173	1050	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.29	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.58	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	46.2	159	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.12	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.58	7.1	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.58	11.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	17.3	18.5	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	86.5	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300433 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE TA#4 Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB07-0119 ARDL No: 300433-09
Sampling Loc'n: N/A Received: 02/26/1997
Sampling Date: 02/21/1997 Matrix: SOIL
Sampling Time: 1145 Moisture: 10.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	5520	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ANTIMONY	2.2	2.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ARSENIC	0.11	3	MG/KG	3050	7061	02/27/97	03/06/97	BH2664
BARIUM	1.1	414	MG/KG	3050	6010	03/05/97	03/06/97	P1894
BERYLLIUM	0.11	0.37	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CADMIUM	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CALCIUM	56.1	119000	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CHROMIUM	0.56	5.3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COBALT	0.56	2.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
COPPER	1.1	3	MG/KG	3050	6010	03/05/97	03/06/97	P1894
IRON	5.6	5090	MG/KG	3050	6010	03/05/97	03/06/97	P1894
LEAD	0.11	2.9	MG/KG	3050	7421	02/27/97	02/28/97	F1883
MAGNESIUM	11.2	3560	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MANGANESE	0.56	36.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
MERCURY	0.09	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0801
NICKEL	2.2	5.4	MG/KG	3050	6010	03/05/97	03/06/97	P1894
POTASSIUM	168	1600	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SELENIUM	0.28	ND	MG/KG	3050	7741	02/27/97	03/05/97	BH2665
SILVER	0.56	ND	MG/KG	3050	6010	03/05/97	03/06/97	P1894
SODIUM	44.8	314	MG/KG	3050	6010	03/05/97	03/06/97	P1894
THALLIUM	0.11	ND	MG/KG	3050	7841	02/27/97	02/28/97	F1884
VANADIUM	0.56	24.7	MG/KG	3050	6010	03/05/97	03/06/97	P1894
ZINC	0.56	9.9	MG/KG	3050	6010	03/05/97	03/06/97	P1894
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/27/97	02/27/97	03123925
PETROLEUM HYDROCARBONS	16.8	ND	MG/KG	9071	418.1	02/27/97	02/28/97	03033895
SOLIDS, TOTAL	1.0	89.2	%	NONE	160.3	NA	02/26/97	03103919

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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB08-0101 ARDL No: 300434-13
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 0835 Moisture: 7.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	3840	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	3.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.054	1.5	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	61.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.36	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.8	3840	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.54	5.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.54	2.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	7.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.4	4950	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.54	18.7	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.8	753	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.54	121	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.086	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	4.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	162	905	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.054	0.12	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	43.2	57.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.54	11.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.54	17.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	81.1	380	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	92.5	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB08-0103 ARDL No: 300434-14
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 0840 Moisture: 10.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	2020	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	2.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.056	0.65	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	158	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.21	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	55.7	253000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.56	2.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.56	1.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	1.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.6	1860	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	0.91	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.1	1990	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.56	21.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	3.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	167	435	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.056	0.096	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.5	140	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.56	7.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.56	4.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.7	ND	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	89.8	%	NONE	160.3	NA	02/26/97	03123927

Sample 300434-14, Inorganic Analyses

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB08-0110 ARDL No: 300434-15
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 0850 Moisture: 5.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3060	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.1	2.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.053	1.3	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	105	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.28	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.6	71800	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.53	4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.53	1.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.3	3030	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	3.2	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.6	1680	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.53	45.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.085	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.1	4.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	159	948	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.053	0.084	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	42.5	256	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.53	10.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.53	7.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	15.9	16.1	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	94.2	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB09-0101 ARDL No: 300434-16
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 0950 Moisture: 8.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	3830	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	3.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.054	1.7	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	51.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.37	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.9	2280	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.54	5.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.54	2.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	5.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.4	5430	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.54	9.2	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.9	743	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.54	137	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.087	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	4.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	163	988	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.054	0.13	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	43.6	70.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.54	12.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.54	13.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.3	29.5	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	91.8	%	NONE	160.3	NA	02/26/97	03123927

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB09-0102 ARDL No: 300434-17
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 0955 Moisture: 5.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3830	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.1	3.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.11	2.9	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	125	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.31	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	53.1	199000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.53	3.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.53	2.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.3	3350	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.8	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.6	2150	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.53	40.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.085	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.1	5.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	159	806	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.053	0.12	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	42.5	147	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.53	9.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.53	7.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	15.9	ND	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	94.2	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB09-0115 ARDL No: 300434-18
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1000 Moisture: 9.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3430	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	2.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.055	1.6	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	83.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.28	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	55.0	207000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.55	3.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.55	1.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.5	2830	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.5	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.0	3590	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.55	21.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	3.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	165	1090	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.055	0.092	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.0	294	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.55	11.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.55	5.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.5	ND	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	90.9	%	NONE	160.3	NA	02/26/97	03123927

Sample 300434-18, Inorganic Analyses

ARDL, INC.
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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB10-0101 ARDL No: 300434-12
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1545 Moisture: 9.4

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	6030	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	4.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.055	2.1	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	75.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.49	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	11.0	5390	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.55	7.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.55	3.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	6.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.5	7200	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.55	9.4	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.0	1130	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.55	142	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	7.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	166	1300	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.055	0.094	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.2	78.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.55	15.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.55	16.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.6	140	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	90.6	%	NONE	160.3	NA	02/26/97	03123927

Sample 300434-12, Inorganic Analyses

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB10-0106 ARDL No: 300435-10
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1605 Moisture: 10.4

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	4480	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.2	2.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.056	1.8	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	712	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	55.8	177000	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.56	4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.56	2.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	2.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.6	3610	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	2.2	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.2	3510	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.56	42.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.089	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.2	5.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	167	902	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.056	0.12	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	44.6	86.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.56	10.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.56	11.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.7	ND	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	89.6	%	NONE	160.3	NA	02/26/97	03123930

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Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB10-0110 ARDL No: 300435-09
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1615 Moisture: 10.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	5870	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.056	1.5	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	396	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.43	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	55.6	136000	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.56	4.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.56	3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	2.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.6	4700	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	3.9	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.1	4080	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.56	58.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.089	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.2	5.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	167	1710	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.056	0.068	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	44.5	82.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.56	14.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.56	12.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.7	38.6	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	89.9	%	NONE	160.3	NA	02/26/97	03123930

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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/14/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB11-0101 ARDL No: 300435-02
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 0935 Moisture: 4.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.2	1230	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.1	2.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.052	2.1	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1	623	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.1	0.17	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.52	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	10.4	81500	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.52	3.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.52	2.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1	4.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.2	5150	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.1	3.3	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	10.4	1280	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.52	1350	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.084	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.1	5.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	157	285	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.052	0.067	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.52	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	41.8	70.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.1	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.52	15.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.52	12.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.51	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	1570	14400	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	95.7	%	NONE	160.3	NA	02/26/97	03123930

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Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB11-0107 ARDL No: 300435-01
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 0945 Moisture: 11.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	6780	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.3	2.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.056	1.3	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	283	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.74	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.3	93300	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.56	2.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.56	2.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	2.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.6	3090	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.56	7.6	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.3	2810	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.56	83.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.09	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.3	4.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	169	947	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.056	ND	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	45.2	98.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.56	6.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.56	9.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.9	ND	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	88.5	%	NONE	160.3	NA	02/26/97	03123930

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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB11-0117 ARDL No: 300435-03
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1000 Moisture: 9.6

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3920	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.055	2.1	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	40.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.37	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.55	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.1	24100	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.55	4.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.55	2.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	2.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.5	4620	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	4.3	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.1	2160	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.55	41.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.088	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.2	4.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	166	1360	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.055	ND	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.55	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	44.2	210	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.55	23.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.55	9.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.6	16.8	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	90.4	%	NONE	160.3	NA	02/26/97	03123930

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Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB12-0101 ARDL No: 300435-04
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1145 Moisture: 12.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	7620	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.3	2.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.057	1.9	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	93.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.57	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.4	2120	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.57	8.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.57	4.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	5.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.7	9070	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.57	8.7	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.4	1330	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.57	164	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.091	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.3	7.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	171	1410	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.057	0.1	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	45.6	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.57	18.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.57	19.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	17.1	69.7	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	87.8	%	NONE	160.3	NA	02/26/97	03123930

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Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB12-0102 ARDL No: 300435-05
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1200 Moisture: 8.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	5310	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.055	1.4	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	49.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.42	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.55	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.0	1700	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.55	6.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.55	2.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	4.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.5	6180	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.55	6.4	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.0	931	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.55	85.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.088	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.2	6.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	164	1060	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.055	0.077	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.55	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	43.8	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.55	12.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.55	14.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.4	34.4	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	91.3	%	NONE	160.3	NA	02/26/97	03123930

Sample 300435-05, Inorganic Analyses

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB12-0110 ARDL No: 300435-06
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1215 Moisture: 12.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	3630	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.3	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.057	1.2	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	146	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.36	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.5	51500	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.57	4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.57	2.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	3.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.7	3540	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	3.9	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.5	2010	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.57	81.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.092	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.3	5.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	172	1080	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.057	0.094	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	45.8	142	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.57	11.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.57	13.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	17.2	77.5	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	87.3	%	NONE	160.3	NA	02/26/97	03123930

ARDL, INC.
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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB12-0121 ARDL No: 300435-07
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1400 Moisture: 10

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	4630	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.056	1.7	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	327	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.35	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.1	60100	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.56	4.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.56	2.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.6	4490	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	3.8	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.1	2980	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.56	66.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.089	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.2	5.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	167	1540	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.056	ND	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.56	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	44.4	194	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.56	15.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.56	11.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.7	16.9	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	90.0	%	NONE	160.3	NA	02/26/97	03123930

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Mt. Vernon, Illinois 62864

Lab Report No: 300435 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB12-0130 ARDL No: 300435-08
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/22/1997 Matrix: SOIL
Sampling Time: 1440 Moisture: 11.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	3280	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.3	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.057	1.3	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	100	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.21	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	56.7	122000	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.57	4.3	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.57	1.8	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	1.7	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.7	2710	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.11	2.2	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.3	3260	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.57	30.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.091	ND	MG/KG	7470	7470	02/27/97	02/27/97	C0807
NICKEL	2.3	3.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	170	570	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.057	0.063	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	45.4	184	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.57	10.6	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.57	7.2	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	17.0	21.5	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	88.2	%	NONE	160.3	NA	02/26/97	03123930

ARDL, INC.
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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB13-0101 ARDL No: 300434-20
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1110 Moisture: 7.6

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	4890	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	4.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.054	1.9	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	61.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.44	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.8	1960	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.54	6.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.54	3.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	7.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.4	6860	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.54	10.9	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.8	818	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.54	144	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.087	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	6.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	162	1110	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.054	0.14	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	43.3	68.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.54	15.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.54	17.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	16.2	44.0	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	92.4	%	NONE	160.3	NA	02/26/97	03123927

Sample 300434-20, Inorganic Analyses

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB13-0104 ARDL No: 300434-01
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1115 Moisture: 5.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	2230	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.1	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.053	1.6	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	128	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.22	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.6	77200	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.53	3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.53	2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.3	2590	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.8	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.6	1020	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.53	29.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.084	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.1	4.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	158	445	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.053	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	42.2	85.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.53	7.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.53	6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	15.8	ND	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	94.7	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB13-0115 ARDL No: 300434-02
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1125 Moisture: 7.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	4020	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	2.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.054	1.4	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	314	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.32	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	53.9	195000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.54	3.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.54	2.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.4	3160	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.4	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	10.8	4220	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.54	25.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.086	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	4.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	162	1180	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.054	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.54	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	43.1	255	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.54	9.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.54	7.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.2	ND	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	92.7	%	NONE	160.3	NA	02/26/97	03123927

ARDL, INC.
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Lab Report No: 300434 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB14-0101 ARDL No: 300434-06
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1620 Moisture: 5.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3530	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.1	3.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.053	1.4	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	68.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.36	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	10.6	2950	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.53	5.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.53	2.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	5.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.3	5260	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.53	21.5	MG/KG	3050	7421	03/07/97	03/07/97	F189[illegible]
MAGNESIUM	10.6	702	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.53	137	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.085	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.1	5.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	159	897	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.053	0.083	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.53	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	42.3	100	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.53	12.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.53	11.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	397	1040	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	94.5	%	NONE	160.3	NA	02/26/97	03123927

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB14-0102 ARDL No: 300434-07
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1630 Moisture: 9.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	6800	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	4.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.055	1.8	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	56.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.54	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	11.0	1580	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.55	7.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.55	3.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	5.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.5	7490	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.55	6.9	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.0	1230	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.55	97.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	165	1350	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.055	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.0	57.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.55	15.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.55	14.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.5	17.6	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	90.9	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB14-0115 ARDL No: 300434-08
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1635 Moisture: 10.6

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	4650	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.11	3.3	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	192	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.38	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	55.9	198000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.56	5.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.56	2.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.6	3870	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	3.2	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.2	4950	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.56	29.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	5.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	168	1480	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.056	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.7	281	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.56	18.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.56	8.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.8	17.9	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	89.4	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB15-0101 ARDL No: 300434-03
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1400 Moisture: 9.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3620	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	3.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.055	1.7	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	90.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.39	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	11.0	7280	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.55	5.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.55	3.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	5.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.5	4900	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.55	7.6	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.0	826	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.55	165	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	5.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	165	945	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.055	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.55	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.0	82.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.55	13.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.55	11.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.5	185	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	90.9	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB15-0109 ARDL No: 300434-04
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1405 Moisture: 10.6

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	2620	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.056	1.7	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	219	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	11.2	88600	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.56	3.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.56	2.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.6	3160	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	3.1	MG/KG	3050	7421	03/07/97	03/07/97	F189[illegible]
MAGNESIUM	11.2	1560	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.56	66.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	4.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	168	715	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.056	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	44.7	88.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.56	11.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.56	8.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.8	ND	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	89.4	%	NONE	160.3	NA	02/26/97	03123927

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Mt. Vernon, Illinois 62864

Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB15-0119 ARDL No: 300434-05
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1410 Moisture: 11.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	2920	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.056	1.7	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	215	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.28	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	56.2	181000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.56	2.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.56	1.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.2	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.6	2540	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.6	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.2	3740	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.56	28.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.090	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	3.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	169	864	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.056	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	45.0	135	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.56	12.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.56	6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.9	ND	MG/KG	9071	418.1	02/28/97	02/28/97	03123929
SOLIDS, TOTAL	1.0	88.9	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB16-0101 ARDL No: 300434-09
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1500 Moisture: 11.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	6550	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.2	3.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.056	1.8	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	73.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.53	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	11.2	2120	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.56	7.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.56	3.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	5.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.6	7830	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.56	7.2	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.2	1060	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.56	133	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.090	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.2	7.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	169	1290	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.056	0.11	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.56	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	45.0	79.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.56	17.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.56	15.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	16.9	43.9	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	88.9	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB16-0104 ARDL No: 300434-10
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1505 Moisture: 17.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	6.1	3750	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.4	3.8	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.12	2.5	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.2	319	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.12	0.36	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.61	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	60.6	191000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.61	3.6	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.61	2.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.2	2.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	6.1	3270	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.12	3.1	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	12.1	2700	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.61	38.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.097	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.4	5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	182	710	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.061	0.091	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.61	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	48.5	146	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.12	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.61	10.1	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.61	10.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.61	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	18.2	216	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	82.5	%	NONE	160.3	NA	02/26/97	03123927

ARDL, INC.
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Lab Report No: 300434 Report Date: 03/12/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB16-0110 ARDL No: 300434-11
Sampling Loc'n: NA Received: 02/26/1997
Sampling Date: 02/23/1997 Matrix: SOIL
Sampling Time: 1515 Moisture: 11.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	3100	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ANTIMONY	2.3	2.9	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ARSENIC	0.057	1.3	MG/KG	3050	7061	03/07/97	03/11/97	BH2668
BARIUM	1.1	518	MG/KG	3050	6010	03/06/97	03/06/97	P1895
BERYLLIUM	0.11	0.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CADMIUM	0.57	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CALCIUM	56.7	139000	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CHROMIUM	0.57	3.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COBALT	0.57	2.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
COPPER	1.1	2.4	MG/KG	3050	6010	03/06/97	03/06/97	P1895
IRON	5.7	2780	MG/KG	3050	6010	03/06/97	03/06/97	P1895
LEAD	0.11	2.9	MG/KG	3050	7421	03/07/97	03/07/97	F1896
MAGNESIUM	11.3	2730	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MANGANESE	0.57	37.7	MG/KG	3050	6010	03/06/97	03/06/97	P1895
MERCURY	0.091	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0806
NICKEL	2.3	4.5	MG/KG	3050	6010	03/06/97	03/06/97	P1895
POTASSIUM	170	873	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SELENIUM	0.057	0.074	MG/KG	3050	7741	03/07/97	03/10/97	BH2670
SILVER	0.57	ND	MG/KG	3050	6010	03/06/97	03/06/97	P1895
SODIUM	45.4	135	MG/KG	3050	6010	03/06/97	03/06/97	P1895
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1897
VANADIUM	0.57	10.0	MG/KG	3050	6010	03/06/97	03/06/97	P1895
ZINC	0.57	7.3	MG/KG	3050	6010	03/06/97	03/06/97	P1895
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	02/28/97	03/03/97	03123926
PETROLEUM HYDROCARBONS	17.0	82.8	MG/KG	9071	418.1	02/28/97	03/05/97	03123929
SOLIDS, TOTAL	1.0	88.2	%	NONE	160.3	NA	02/26/97	03123927

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0101 ARDL No: 300439-01
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 0845 Moisture: 12.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	9190	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.3	6.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.057	1.8	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	160	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.61	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.57	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.5	3280	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.57	9.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.57	5.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	8.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.7	10100	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.57	7.3	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.5	1600	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.57	262	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.092	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.3	8.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	172	1730	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.29	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.57	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	45.8	84.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.57	17.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.57	24.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	03/03/97	03/04/97	03123928
PETROLEUM HYDROCARBONS	85.9	583	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	87.3	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0109 ARDL No: 300439-02
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 0850 Moisture: 14.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.9	2240	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.3	2.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.059	0.97	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.2	91.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.12	0.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.59	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	58.7	221000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.59	2.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.59	1.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.2	1.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.9	1830	MG/KG	3050	6010	03/10/97	03/10/97	P189[illegible]
LEAD	0.12	1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.7	2130	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.59	18.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.094	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.3	3.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	176	604	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.29	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.59	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	46.9	122	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.12	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.59	4.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.59	7.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.6	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	17.6	20.4	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	85.2	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0119 ARDL No: 300439-03
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 0905 Moisture: 9.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3610	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	4.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.055	1.3	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	89.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.29	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.0	65800	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	4.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	1.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	3720	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	2.7	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.0	2070	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	52.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	4.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	166	1130	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.2	119	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	11.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	10.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.6	18.0	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	90.5	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0129 ARDL No: 300439-04
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 0930 Moisture: 9.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	4190	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	3.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.055	0.66	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	112	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.22	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	55.2	169000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	5.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	1.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	2890	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.0	3670	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	28.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	4.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	166	805	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.2	171	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	9.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	8.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.6	18.0	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	90.5	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0139 ARDL No: 300439-05
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 0955 Moisture: 8.7

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3530	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	2.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.055	0.6	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	58.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.19	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.0	71500	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	3.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	1.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	1.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	2740	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.2	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.0	4200	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	29.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	3.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	164	685	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	43.8	129	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	16.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	7.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.4	19.0	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	91.3	%	NONE	160.3	NA	02/27/97	03133932

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Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0145 ARDL No: 300439-06
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1025 Moisture: 6.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	4700	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.1	3.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.054	0.76	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	64.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.26	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	10.7	52200	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.54	7.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.54	1.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.4	4680	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.4	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.7	2740	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.54	41.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.086	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.1	4.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	161	1170	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	42.9	159	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.54	9.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.54	7.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.1	37.8	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	93.2	%	NONE	160.3	NA	02/27/97	03133932

ARDL, INC.
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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB17-0159 ARDL No: 300439-07
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1125 Moisture: 8.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	5970	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	5.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.054	0.87	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	108	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.27	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	10.9	53200	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.54	20.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.54	2.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	4.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.4	7520	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	2.1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.9	5300	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.54	87.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.087	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	6.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	163	1390	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	43.5	187	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.54	12.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.54	21.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.3	270	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	91.9	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0101 ARDL No: 300439-08
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1335 Moisture: 11

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	7560	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	5.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.056	1.7	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	65.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.53	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.2	1680	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	8.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	5.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	8690	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.56	5.7	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.2	1300	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	158	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.09	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	8.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	169	1310	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.9	102	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.56	16.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	21.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.9	42.6	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	89.0	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0109 ARDL No: 300439-09
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1340 Moisture: 11.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	5870	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.3	3.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.056	1.6	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	1250	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.47	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	56.4	189000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	3.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	3.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	3870	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	3	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.3	3000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	66.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.09	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.3	6.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	169	1030	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	0.69	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	45.1	115	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.56	10.0	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	11.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/04/97	03/05/97	03133934
PETROLEUM HYDROCARBONS	16.9	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	88.7	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0119 ARDL No: 300439-10
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1405 Moisture: 9.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	4730	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	4.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.11	3.3	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	87.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.38	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.0	72000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	4.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	2.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	3.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	4840	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	3.1	MG/KG	3050	7421	03/07/97	03/11/97	F190[illegible]
MAGNESIUM	11.0	2610	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	67.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.088	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	6.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	166	1680	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.2	228	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	23.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	12.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.6	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	90.5	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0124 ARDL No: 300439-11
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1420 Moisture: 10.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	8050	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	4.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.11	3.1	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	63.0	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.53	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.1	98900	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	5.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	3.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	5.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	5530	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	2.9	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.1	3600	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	114	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	10.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	167	2360	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.5	322	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.56	16.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	21.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.7	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	89.9	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0133 ARDL No: 300439-12
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1455 Moisture: 8.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	3340	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	2.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.055	1.2	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	106	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.19	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	54.6	142000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	3.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	1.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	2630	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.9	3200	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	24.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.087	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	4.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	164	666	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	43.7	172	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	12.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	21.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.4	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	91.5	%	NONE	160.3	NA	02/27/97	03133932

ARDL, INC.
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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0143 ARDL No: 300439-13
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1530 Moisture: 6.2

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3540	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.1	2.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.053	0.73	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	100	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.53	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	10.7	46700	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.53	6.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.53	1.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.3	3680	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.2	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.7	3530	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.53	38.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.085	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.1	4.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	160	856	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.53	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	42.6	140	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.53	11.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.53	11.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.52	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.0	40.4	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	93.8	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB18-0156 ARDL No: 300439-14
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/25/1997 Matrix: SOIL
Sampling Time: 1555 Moisture: 7.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	4020	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	2.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.054	0.4	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	36.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.19	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	10.8	28100	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.54	3.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.54	1.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.4	3270	MG/KG	3050	6010	03/10/97	03/10/97	P189[illegible]
LEAD	0.11	1.1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.8	5280	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.54	38.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.086	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	6.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	161	902	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	43.1	111	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.54	9.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.54	13.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.52	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.1	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	92.9	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0101 ARDL No: 300439-21
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 0805 Moisture: 11.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.7	7520	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ANTIMONY	2.3	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ARSENIC	0.057	1.9	MG/KG	3050	7061	03/03/97	03/06/97	BH2673
BARIUM	1.1	90.9	MG/KG	3050	6010	03/03/97	03/04/97	P1898
BERYLLIUM	0.11	0.55	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CADMIUM	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CALCIUM	11.3	1920	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CHROMIUM	0.57	8.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COBALT	0.57	5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
COPPER	1.1	5.4	MG/KG	3050	6010	03/03/97	03/04/97	P1898
IRON	5.7	8760	MG/KG	3050	6010	03/03/97	03/04/97	P1898
LEAD	0.57	9.5	MG/KG	3050	7421	03/03/97	03/04/97	F1902
MAGNESIUM	11.3	1280	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MANGANESE	0.57	245	MG/KG	3050	6010	03/03/97	03/04/97	P1898
MERCURY	0.091	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0809
NICKEL	2.3	8.5	MG/KG	3050	6010	03/03/97	03/04/97	P1898
POTASSIUM	170	1340	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SELENIUM	0.057	0.15	MG/KG	3050	7741	03/03/97	03/05/97	BH2674
SILVER	0.57	ND	MG/KG	3050	6010	03/03/97	03/04/97	P1898
SODIUM	45.4	105	MG/KG	3050	6010	03/03/97	03/04/97	P1898
THALLIUM	0.11	ND	MG/KG	3050	7841	03/03/97	03/04/97	F1903
VANADIUM	0.57	17.0	MG/KG	3050	6010	03/03/97	03/04/97	P1898
ZINC	0.57	23.1	MG/KG	3050	6010	03/03/97	03/04/97	P1898
CYANIDE, TOTAL	0.57	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	17.0	104	MG/KG	9071	418.1	03/03/97	03/05/97	03123931
SOLIDS, TOTAL	1.0	88.2	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0104 ARDL No: 300439-15
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 0810 Moisture: 9.8

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.5	5080	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	3.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.055	1.6	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	222	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.31	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	55.4	123000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.55	6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.55	2.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	3.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.5	4600	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	2.1	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.1	2130	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.55	83.1	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	6.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	166	1010	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.55	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.3	117	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.55	10.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.55	12.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.55	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	166	1530	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	90.2	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0117 ARDL No: 300439-16
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 0825 Moisture: 10.4

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	6020	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	4.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.056	1.1	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	226	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.2	65300	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	5.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	2.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	5320	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	2.7	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.2	3670	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	56.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	6.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	167	1810	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.6	173	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.56	13.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	13.0	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.7	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	89.6	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0129 ARDL No: 300439-17
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 0850 Moisture: 10.5

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	3510	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	3.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.056	1.2	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	454	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.28	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.2	99300	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	7.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	2.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	2.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	3140	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.5	MG/KG	3050	7421	03/07/97	03/11/97	F190
MAGNESIUM	11.2	2600	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	32.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.089	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	4.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	168	877	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.7	223	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/10/97	F1905
VANADIUM	0.56	12.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	11.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.8	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	89.5	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0133 ARDL No: 300439-18
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 0930 Moisture: 10.9

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.6	4200	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	3.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.056	1.5	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	85.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	11.2	71900	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.56	3.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.56	1.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	1.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.6	2990	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.9	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	11.2	2990	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.56	28.2	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.09	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	4.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	168	973	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.28	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.56	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	44.9	220	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	ND	MG/KG	3050	7841	03/07/97	03/11/97	F1905
VANADIUM	0.56	13.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.56	10.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.56	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.8	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	89.1	%	NONE	160.3	NA	02/27/97	03133932

ARDL, INC.
Rt. 15E, Mt. Vernon Airport Industrial Park
Mt. Vernon, Illinois 62864

Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0145 ARDL No: 300439-19
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 1010 Moisture: 7.3

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.4	2520	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.2	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.054	0.9	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	45.8	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.15	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	53.9	116000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.54	3.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.54	3.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.4	2000	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	0.97	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.8	3540	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.54	64.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.086	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.2	2.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	162	541	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.54	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	43.1	156	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	0.11	MG/KG	3050	7841	03/07/97	03/11/97	F1905
VANADIUM	0.54	8.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.54	4.5	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.54	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.2	ND	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	92.7	%	NONE	160.3	NA	02/27/97	03133932

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Lab Report No: 300439 Report Date: 03/13/1997

Project Name: CANNON AFB FIRE T AR Analysis: Inorganics
Project No:

Field ID: CANFTA4-SB19-0159 ARDL No: 300439-20
Sampling Loc'n: NA Received: 02/27/1997
Sampling Date: 02/26/1997 Matrix: SOIL
Sampling Time: 1100 Moisture: 6.1

Analyte	Detection Limit	Result	Units	Prep Method	Analysis Method	Prep Date	Analysis Date	Run Number
ALUMINUM	5.3	3050	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ANTIMONY	2.1	2.7	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ARSENIC	0.053	0.67	MG/KG	3050	7061	03/07/97	03/11/97	BH2675
BARIUM	1.1	108	MG/KG	3050	6010	03/10/97	03/10/97	P1899
BERYLLIUM	0.11	0.17	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CADMIUM	0.53	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CALCIUM	10.6	44100	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CHROMIUM	0.53	4.6	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COBALT	0.53	2.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
COPPER	1.1	1.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
IRON	5.3	3030	MG/KG	3050	6010	03/10/97	03/10/97	P1899
LEAD	0.11	1.6	MG/KG	3050	7421	03/07/97	03/11/97	F1904
MAGNESIUM	10.6	3890	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MANGANESE	0.53	62.4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
MERCURY	0.085	ND	MG/KG	7470	7470	03/03/97	03/03/97	C0808
NICKEL	2.1	4	MG/KG	3050	6010	03/10/97	03/10/97	P1899
POTASSIUM	160	915	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SELENIUM	0.27	ND	MG/KG	3050	7741	03/07/97	03/10/97	BH2676
SILVER	0.53	ND	MG/KG	3050	6010	03/10/97	03/10/97	P1899
SODIUM	42.6	155	MG/KG	3050	6010	03/10/97	03/10/97	P1899
THALLIUM	0.11	0.12	MG/KG	3050	7841	03/07/97	03/11/97	F1905
VANADIUM	0.53	8.3	MG/KG	3050	6010	03/10/97	03/10/97	P1899
ZINC	0.53	5.9	MG/KG	3050	6010	03/10/97	03/10/97	P1899
CYANIDE, TOTAL	0.53	ND	MG/KG	9010	9010	03/07/97	03/10/97	03133935
PETROLEUM HYDROCARBONS	16.0	17.3	MG/KG	9071	418.1	03/04/97	03/05/97	03133933
SOLIDS, TOTAL	1.0	93.9	%	NONE	160.3	NA	02/27/97	03133932