



INTERIM MEASURES REPORT
CONTRACT NO. DACA21-97-C-0042
FIRE TRAINING AREA
HUNTER AAF, GEORGIA

AND

APPENDIX I

&

APPENDIX II

SECTION 1

- Confirmation soil /
Sample Lab. Reports

SECTION 2

- Daily Chemical Quality
Control Report forms
- QA/QC Sample ID Table

42

BOOK 1 OF 9



May 18, 1998

Mr. Doug Driver, Senior Project Manager
Omega Environmental Services, Inc.
4661 Hammermill Road, Suite B
Tucker, Georgia 30084

SUBJECT: Interim Measures Report
Fire Training Area Project
Hunter Army Airfield, Georgia
Contract # DACA21-97-C-0042
Geosciences Job No. MCE-97-626

Dear Mr. Driver:

Geosciences, Inc. is pleased to present this Interim Measures Report for the above referenced site. This report includes seven Appendices in nine notebooks. The report is intended to summarize the activities accomplished and the findings developed under this contract.

Geosciences appreciates the opportunity to provide these services to you. If there are any questions concerning the contents or conclusions of the report, please do not hesitate to call our office, (912)757-1606.

Very Truly Yours,
GEOSCIENCES, INC.

For David Price
Environmental Specialist

Travis A. Sheppard, R.E.H.S.
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TAS/TED/tas

Attachments

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1.0 EXECUTIVE SUMMARY

This Interim Measures Report summarizes the activities accomplished and findings developed for work associated with the Source Removal Action at the Fire Training Area Project, Hunter Army Airfield, contract # DACA21-97-C-0042. The project was conducted by Omega Environmental Services, Inc. (OES), 4661 Hammermill Rd. Suite B, Tucker, Georgia 30084, under the direction of the Savannah District Corps of Engineers (COE), Fort Stewart Area Office, P.O. Box 558, Hinesville, Georgia 31310-0558. The Administrative Contracting Officer for the project was Kesavanath Vadlamani, P.E.

The project site is located just northwest of the tarmac off Strachan Road at Hunter Army Airfield (see Figures 1 and 2, Appendix I). The Fire Training Area consisted of a 6400 square foot, curbed, soil covered concrete pad with a simulated steel aircraft. A concrete oil/water separator sump was adjacent to the concrete pad. Approximately 100 feet north of the simulated aircraft was a bermed area with concrete cradles which formally accommodated a 17,000 gallon above ground fuel storage tank (AST). A smaller aluminum AST was situated just east of the berm (see Figure 4, Appendix I).

Soil and groundwater at the Hunter Fire Training Area were reportedly contaminated due to releases of petroleum which occurred during fire training exercises. Environmental assessment work has been conducted at the site for approximately 8 years, including soil and groundwater sampling performed by Law Engineering and Environmental Services (LAW). The assessments indicated that soils and groundwater at the site were contaminated with petroleum hydrocarbons, Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and potentially metals.

The intent of the Interim Measures was to remove and properly dispose of the ASTs, mock aircraft with associated foundations and piping; the concrete fire training pad and cover soils; a concrete oil/water separator sump and appurtenances; and, soil according to the lines and grades indicated on the contract drawings, SOURCE REMOVAL ACTION - FIRE TRAINING AREA, File No. 123-90-01. The excavation limits are indicated herein on Figure 4, Appendix I.

OES retained Geosciences, Inc. to perform field sampling of environmental media, provide immunoassay screening of soils, and compile data for preparation of the Interim Measures Report. Primary laboratory services were provided by Accura Analytical Laboratory, 6017 Financial Drive, Norcross, Georgia 30071. Professional survey services were provided by EMC Engineering Services, Inc., 23 East Charlton Street, Savannah, Georgia 31412. The primary off-site disposal facility for solid waste streams produced during the project was Soil Safe Technologies, Inc., 10341 Hwy 80 East, Brooklet, Georgia 30415. The primary off-site disposal facility for liquid waste streams was Georgia Petroleum, Inc., 1612 James P. Rogers Circle, Valdosta, Georgia 31601. Hazardous waste generated during the project was received by Fisher Industrial Service, Webster Chapel Road, Glencoe, Alabama 35905. Density tests on backfill soil were performed by Whitaker Laboratory Inc., Savannah, Georgia.



The Interim Measures were completed in accordance with the project specification. Site observations and analytical data developed under the project indicates that contamination remains at the site at levels which may continue to add contaminants to soil, water, or air, or that may continue to expand in area, or impact a greater volume of soil.

2.0 PROJECT SUMMARY

This project summary is compiled from site observations and review of Daily Construction Reports and Daily Quality Control Reports (see Appendices V and VI). The site set-up is depicted on the Base Map drawing, Figure 3, Appendix I.

It should be noted that the daily reports indicated frequent rain delays during the project. Stockpiled soils were covered with plastic and bermed. The excavation was also lined with plastic to help reduce the amount of contaminated water generated resulting from rainwater contact with contaminated soils.

The project generated 9,430.04 tons of contaminated soils; 233.55 tons of demolished concrete debris (see Section 8, Appendix III); 81,906 gallons of waste water (see Section 9, Appendix III); 7 drums of nonhazardous waste; and, 1 drum of hazardous waste (see section 10, Appendix III). Certificates of disposal for the scrapped metal tanks and equipment are included in Section 6, Appendix III.

A chronological summary of pertinent site activities is as follows:

- | | |
|----------|--|
| 11-18-97 | Set-up of decontamination pad, perimeter fence, exclusion zone, and silt control. Utilities location. |
| 12-11-97 | Cleaning of simulated aircraft, aluminum tank and lines. Contents placed into 55-gallon drums. Two samples collected for analytical testing. |
| 12-16-97 | Demolition of aluminum tank. Scrape and consolidate soil on concrete pad. |
| 12-17-97 | Cut up tanks and excavate soil on pad. Stockpile soil. |
| 12-18-97 | Completed removal and stockpiling of soil on top of concrete pad and completed tank scrapping. Began clean-out of sump. Sampled stockpiled soil and demolished concrete. |
| 12-19-97 | Completed decontamination of concrete pad and sump pit structure. |
| 1-6-98 | Loaded and hauled scrap metal to recycle facility. Began demolition of the concrete pad. Began to excavate lines. |



1-7-98 Continued demolition of the concrete pad. Checked the site monitoring wells. Approximately 2.14 feet of free product noted in MW-7. The water and free product measurements were provided in a submittal (see Appendix V, January 7, 1998).

1-12-98 Utilities excavated. Approximately 400 cubic yards of soil stockpiled. Heap samples collected.

1-13-98 All demolished concrete hauled out, approximately 16 truck loads. Continued excavation of soil; approximately 550 cubic yards.

1-20-98 Loadout 54 truck loads of soil. Pit water and free product noted in excavation.

1-21-98 Loadout 50 truck loads of soil. Heap samples collected.

1-22-98 Loadout 21 truck loads of soil.

1-26-98 Loadout 54 truck loads of soil.

1-28-98 Wastewater samples collected and submitted to laboratory.

1-29-98 Pumped approximately 17,000 to 18,000 gallons of wastewater from the excavation. Samples collected.

1-30-98 Removed water and recovered free product from the excavation.

2-5-98 Loadout 47 truck loads of stockpiled soil.

2-12-98 Excavated and stockpiled approximately 600 cubic yards of soil and skimmed free product off the pit water.

2-13-98 Loadout 52 truck loads of soil. Excavated and stockpiled approximately 300 cubic yards. Began grid layout and immunoassay screening.

2-17-98 Approximately 24,800 gallons of wastewater hauled out from holding tank. Excavated and stockpiled 250 to 300 cubic yards of soil.

2-18-98 Loadout 46 truck loads of soil. Excavated and stockpiled approximately 400 cubic yards. Continued immunoassay screening. QA/QC samples submitted to the laboratories.

2-19-98 Loadout 58 truck loads of soil.

2-20-98 Loadout 52 truck loads of soil.



2-23-98 Loadout 58 truck loads of soil, and continued free product removal.

2-24-98 Loadout 36 truck loads of soil. Recovered approximately 200 gallons of free product from the excavation. Loadout approximately 400 gallons of free product. Continued Immunoassay screening and QC analytical submittals.

2-25-98 Loadout 17 truck loads of soil. Surveyors began placing sampling grid and calculating soil volumes.

2-26-98 Began confirmation soil sampling.

2-27-98 Removal of water and free product from excavation to on-site storage tank.

3-2-98 Approximately 40,000 gallons of waste water pumped from excavation. Loadout of two tankers of wastewater.

3-3-98 All pit water removed. Began preparing the excavation for backfilling. Remaining confirmation soil samples shipped to the laboratories.

3-4-98 Hauled in 117 truck loads of backfill. Loadout 2 tankers of pit water.

3-5-98 Hauled in 163 truck loads of backfill and compaction.

3-6-98 Hauled in 69 truck loads of backfill and compaction.

3-9-98 Cleaned water holding tank.

3-10-98 Hauled in 132 truck loads of backfill and compaction. Loadout 1 hazardous waste drum.

3-12-98 Site restoration.

3-13-98 Hauled out approximately 13,000 gallons of waste water and 1 truck load of soil.

3-16-98 Placed 31 truck loads of top soil and continued site restoration.

3-20-98 EMC Engineering submitted the final survey.

3-23-98 Hydro-seeding.

3-27-98 Demobilization from the site.



3.0 CONFIRMATION SOIL SAMPLING

After completing the excavation to the lines and grades indicated by the contract, confirmatory soil samples were collected for analytical testing. The confirmatory sampling rationale, which was determined by the contract, was an alpha-numeric systematic grid. This system involves collecting samples at predetermined, regular intervals within a grid pattern. The sample location identification numbers are depicted on Figure 6, Appendix I.

The soil samples were submitted to Accura Analytical Laboratory for analytical testing of TCLP metals, PAHs, BTEX, Organochlorine Pesticides, PCBs, and TPH (DRO). Quality Control (QC) and Quality Assurance (QA) duplicates/splits were collected at about a 10% frequency. Copies of the laboratory reports and chain of custody forms are presented in Section 1, Appendix II. The QA/QC Identification Table, completed in the field based on the actual samples taken, is included in Section 2, Appendix II.

The confirmation soil sampling results which exceeded the reported detection limits are presented in tabular format in Appendix I. The results are compared to Notification Concentrations (NCs) for soil listed in Georgia's Rules for Hazardous Site Response, Chapter 391-3-19. Results exceeding HSRA NCs are highlighted in red. The analytical results of approximately 25 of the 53 sample locations exceeded an NC for at least one of the constituents tested.

It also should be noted that two of the sample locations, EW-L8-b and EB-L5 exceeded 10,000 ppm for TPH.

3.1 QUALITY ASSURANCE/QUALITY CONTROL

The sampling and data-gathering methods used on this project, including quality assurance and quality control protocols, were conducted in substantial accordance with the approved Sampling and Analysis Plan (SAP) and/or instructions from the COE. There were overlapping QA/QC efforts conducted during this project to ensure data quality objectives. Daily Chemical Quality Control Report forms are provided in Section 2, Appendix II. Daily Quality Control reports are presented in Appendix V. Daily Production reports are presented in Appendix VI.

4.0 CONCLUSIONS

Omega Environmental Services, Inc. has completed the Interim Measures, Source Removal Action at the Fire Training Area project, Hunter Army Airfield, Georgia, in accordance with contract # DACA21-97-C-0042. The excavation of contaminated soils was completed to the lines and grades presented in the contract drawings, File No. 123-90-01. Waste streams generated during the project have been properly disposed or recycled as indicated by the copies of manifests herein. The site has been backfilled, compacted, and restored with topsoil and hydro-seeded.



Based on Geosciences observations, the immunoassay screening, and analytical data presented in this report, soil and groundwater contamination apparently remains at the site beyond the limits of the excavation efforts conducted for this Interim Measure. Nearly 85% of the immunoassay screening results exceeded the highest control reference used, 592 ppm. Nearly 50% of the soil confirmation sample locations yielded results exceeding an NC under HSRA. Free product was observed in the excavation and in an assumed down gradient monitoring well, MW-7.

For these reasons, it may be concluded that a release has occurred at the site which continues to add contaminants to soil, water, or air, or that continues to expand in area, despite the completion of the Interim Measures.



TABLE 1

Confirmatory Soil Sampling
Results Exceeding Reported Detection Limits Compared to HSR-A Thresholds

Sample Location ID	Benzene	Ethyl benzene	Toluene	Xylenes	TPH*	BARIUM	CADMIUM	LEAD	1-METHYLNAPHTHALENE	2-METHYLNAPHTHALENE	NAPHTHALENE	PHENANTHRENE	PCB-1254	4,4-DDD	4,4-DDE	DIELDRIN	TCDF BARIUM	CHROMIUM
	(HSR-A) 0.02	20	14.4	20	*	500	39	300	**	**	100	110	1.55	0.66	0.66	0.66	100	1200 (HSR-A)
EW-E6-a	BDL	8.0	BDL	20.0	1,500.0	12.0	1.3	15.0	7.8	11.0	4.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-E6-b	0.410	0.410	BDL	0.130	11.0	12.0	1.2	22.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	BDL
EB-E6	BDL	BDL	BDL	BDL	BDL	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-E7-a	1.1	47.0	BDL	15.0	4,300.0	15.0	BDL	6.2	21.0	31.0	17.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-E7	BDL	7.7	BDL	8.2	920.0	10.0	BDL	BDL	6.9	9.6	3.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-E8-a	BDL	0.031	BDL	0.1	BDL	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-E8-b	BDL	BDL	BDL	BDL	BDL	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-E8	BDL	3.3	BDL	9.5	2,000.0	11.0	0.6	15.0	13.0	5.8	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL
EW-F5	BDL	BDL	BDL	BDL	BDL	10.0	0.9	18.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL
EB-F5	BDL	BDL	BDL	0.064	62.0	11.0	BDL	BDL	0.48	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	BDL
EB-F5-X	BDL	BDL	BDL	4.6	35.0	11.0	BDL	5.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL
EB-F6	BDL	0.57	BDL	22.0	820.0	11.0	BDL	BDL	5.0	6.9	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-F7	1.1	20.0	BDL	11.0	3,100.0	10.0	0.9	23.0	15.0	25.0	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-F8	BDL	18.0	BDL	62.0	1,100.0	13.0	BDL	7.2	5.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-G5-a	BDL	0.011	BDL	0.021	BDL	9.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	BDL
EW-G5-b	0.0078	0.021	BDL	BDL	16.0	10.0	1.0	16.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL
EB-G5	BDL	BDL	BDL	BDL	12.0	8.1	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-G6	BDL	6.7	BDL	12.0	620.0	9.7	0.6	15.0	6.2	9.2	4.8	BDL	BDL	BDL	BDL	BDL	1.1	BDL
EB-G7	BDL	1.3	BDL	30.0	1,700.0	11.0	BDL	12.0	10.0	15.0	7.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-G8	BDL	10.0	BDL	4.8	2,100.0	13.0	BDL	BDL	10.0	9.5	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL
EB-G8-X	15.000	6.0	BDL	1.8	2,100.0	13.0	BDL	BDL	7.6	3.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-H5	BDL	19.0	BDL	25.0	1,900.0	6.5	0.9	16.0	8.6	12.0	8.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-H6	BDL	12.0	BDL	16.0	1,600.0	10.0	BDL	BDL	8.3	11.0	4.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-H7	BDL	9.0	BDL	9.3	1,200.0	14.0	BDL	BDL	6.4	8.7	5.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-H8	BDL	9.0	BDL	20.0	990.0	15.0	1.0	20.0	5.5	7.5	4.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-I5	BDL	BDL	BDL	BDL	BDL	6.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-I5-X	BDL	BDL	BDL	BDL	BDL	6.8	0.9	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-I6	BDL	BDL	BDL	20.0	6,500.0	11.0	BDL	BDL	30.0	39.0	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Fire Training Area

Contract No. DACA21-97-C-0042

Hunter AAF, Georgia

TABLE 1 (continued)

Sample Location ID	Benzene		Ethyl benzene		Toluene		Xylenes		TPH*		BARIUM		CADMIUM		LEAD		1-METHYLNAPHTHALENE		2-METHYLNAPHTHALENE		NAPHTHALENE		PHENANTHRENE		PCB-1254		1,4-DBD		1,4-DDE		DIELDRIN		TCF BARIUM		CHROMIUM	
	HSRA 0.02	20	14.4	20	14.4	20	20	*	500	39	390	**	100	110	1.55	0.66	0.66	0.66	0.66	100	1200 (USRA)															
EB-I7	BDL	13.0	BDL	BDL	BDL	BDL	BDL	2,200.0	8.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-I8	BDL	5.1	BDL	BDL	BDL	BDL	BDL	840.0	9.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-I4-b	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-L8	BDL	11.0	BDL	BDL	BDL	BDL	BDL	4,000.0	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L8-b	2.9	23.0	BDL	BDL	BDL	BDL	BDL	13,000.0	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L8-a	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,400.0	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-L7	5	37	BDL	BDL	BDL	BDL	BDL	8,900.0	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L7	0.0059	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-L6	2.5	23.0	BDL	BDL	BDL	BDL	BDL	2,800.0	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L6-X	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-L5	1.2	9.4	BDL	BDL	BDL	BDL	BDL	0.960	9.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L5-b	BDL	BDL	BDL	BDL	BDL	BDL	BDL	25.0	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L5-a	0.45	1.5	BDL	BDL	BDL	BDL	BDL	2,800.0	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-L4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,100.0	8.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-K8	1.4	12.0	BDL	BDL	BDL	BDL	BDL	1,800.0	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-K7	6.9	47.0	32.0	BDL	BDL	BDL	BDL	8,000.0	18.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-K6	1.3	13.0	0.370	BDL	BDL	BDL	BDL	2,100.0	14.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-K5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,400.0	11.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-K4	0.24	13.0	BDL	BDL	BDL	BDL	BDL	3,700.0	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-K4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	290.0	8.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-K4-X	BDL	BDL	BDL	BDL	BDL	BDL	BDL	69.0	15.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-H4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	19.0	7.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-I4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-J8	1.3	13.0	BDL	BDL	BDL	BDL	BDL	1,600.0	21.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-J7	3.4	26.0	BDL	BDL	BDL	BDL	BDL	4,400.0	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-J6	3.9	32.0	BDL	BDL	BDL	BDL	BDL	7,200.0	13.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-J5	0.016	BDL	BDL	BDL	BDL	BDL	BDL	36.0	7.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EB-J4	0.010	BDL	BDL	BDL	BDL	BDL	BDL	13.0	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EW-J4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.0	9.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

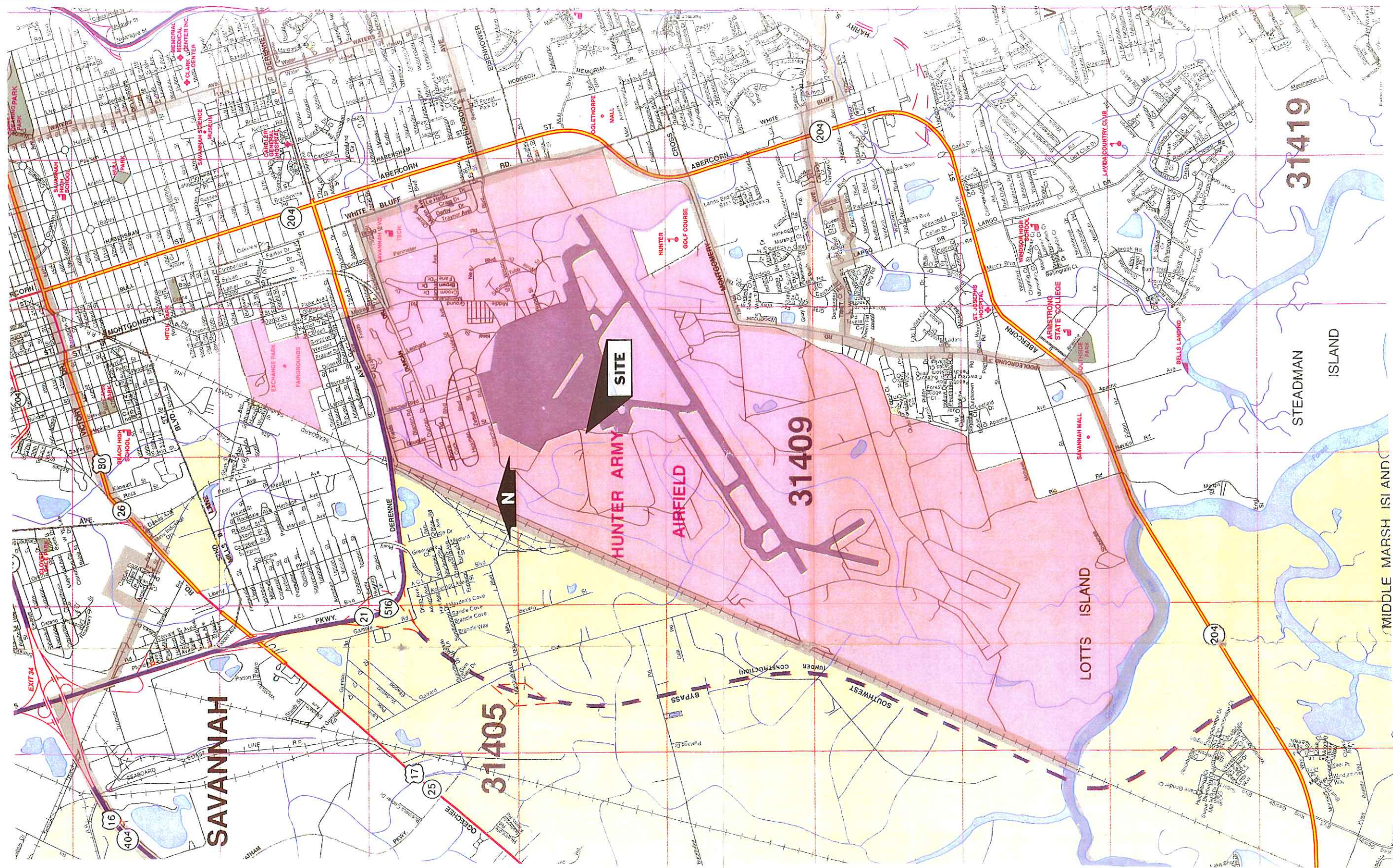
BDL = Below Detection Limits

Values in parts-per-million (ppm)

HSRA Thresholds correspond to levels presented in "Regulated Substances and Soil Concentrations that Trigger Notification," Appendix I of Georgia's Rules for Hazardous Site Response, Chapter 391-3-19. Results exceeding HSRA Thresholds are highlighted in red.

* HSRA does not list a specific regulatory limit or threshold for TPH. However, the Georgia Environmental Protection Division (EPD) Underground Storage Tank Management Program (USTMP) requires analytical testing of groundwater if TPH in soil is not vertically delineated to BDL above the groundwater table. Also, EPD considers a TPH result greater than 10,000 ppm as indicative of free product.

** HSRA does not list specific regulatory limits for these constituents. However, releases of these constituents may be regulated by EPD on a case-by-case basis under broader authorities of Georgia's Rules and Regulations for Water Quality Control, Chapter 391-3-6, or other EPD Programs.



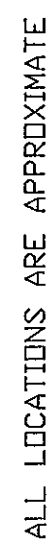
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Figure 1
Site Location Map
Fire Training Area
Hunter AAF, Georgia
Contract No. DACA21-97-C-0042

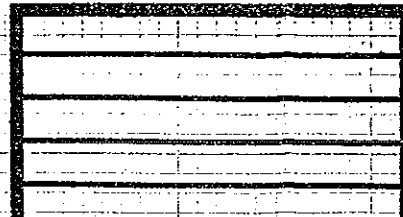
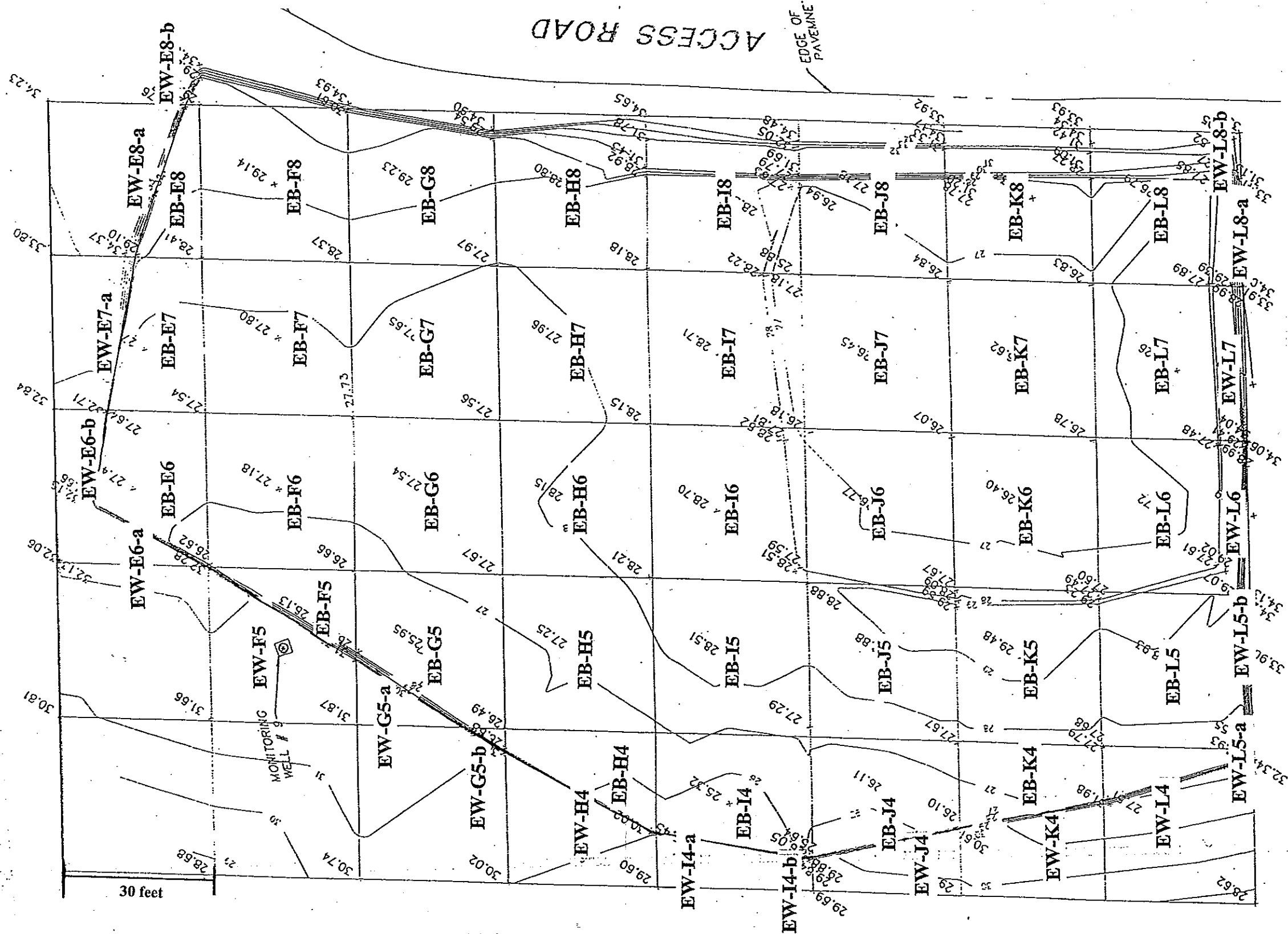




Geosciences inc.

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ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

IA

0679

6017 Financial Drive, Norcross, GA 30071-2925
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Company Name: Omega Environmental Services, Inc.
Address: 4661 Hammermill Rd. Suite B Tucker, GA 30084
Contact Name: Gascoines Inc. / Travis Sheppard
Contact Phone # (912) 757-1606 Fax # (912) 757-1608
Project Name: Hunter AAF Fire Training Area
Client Project # DACA 21-97-C-0042
Client P.O. # _____

Samplers: (signature)		Samplers: (printed)			
Station #	Sample Date / Time	Comp	Grab	Matrix	Preserved
		Station Location:			
		No. of Containers			
EW-E6-a	2/26/98				3
EW-E6-b	2/26/98				3
EB-E6	2/26/98				3
EW-E7-a	2/26/98				3
EB-E7	2/26/98				3
EW-E8-a	2/26/98				3
EW-E8-b	2/26/98				3
EB-E8	2/26/98				3
EW-F5	2/26/98				3
EB-F5	2/26/98				3
Relinquished By: _____		Date / Time	Received By: _____		
Relinquished By: _____		Date / Time	Received At Laboratory By: _____		

For Laboratory Use Only									
Custody Seal:	Y	N	Page	OF	2				
QC Level:	N	1	2	3	4	Init/Temp:	MT	40C	
Entered into LIMS:	MT					AAL Project #	15782		
Sample Condition:	Good								

ANALYSIS REQUESTED									
TCLP Metals	✓	✓	✓	✓	✓	✓	✓	✓	✓
RCRA Metals	✓	✓	✓	✓	✓	✓	✓	✓	✓
PAHs	✓	✓	✓	✓	✓	✓	✓	✓	✓
BTEX	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organochlorine	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pesticides	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCBs	✓	✓	✓	✓	✓	✓	✓	✓	✓
TPH (DRO)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remarks									
AAL#: AB									

Special Requirements Or Remarks:	
Turnaround Time Requested:	

ACCURA ANALYTICAL LABORATORY, INC.
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770)449-8800

CASE NARRATIVE for Project Number: 15782
Client Project: Hunter AAF Fire Training Area / DACA21-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

EW-E6-A	EW-E6-B	EW-E7-A	EB-E7	EW-E8-A
EB-E8	EW-F5	EB-F5	EB-F5-X	

PAH - SW-846-8270B

EW-E6-A	EW-E7-A	EB-E7	EB-E8
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DRO - SW-846-8015

EW-E6-A	EW-E7-A	EB-E7	EB-E8
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2. The following surrogate recoveries were outside the method specified limits due to matrix interference:

BTEX - SW-846-8260A

4-Bromofluorobenzene-	EW-E6-A	EW-E6-B	EB-E6
	EW-E7-A	EB-E7	EW-E8-B
	EB-E8	EW-F5	EB-F5

Toluene-d8	EB-E6	EW-E8-B
------------	-------	---------

3. One surrogate recovery was outside the method specified limits for following samples:

PAH - SW-846-8270B

Nitrobenzene-d5-	EW-E6-A	EB-E8
------------------	---------	-------

PEST/PCB - SW-846-8081 & 8082

Tetrachloro-m-xylene(TCMX)-	EW-E6-A
-----------------------------	---------

The remaining surrogates were within acceptable limits; therefore the data satisfies the method requirements.

4. The surrogates were diluted out for the following samples; therefore no recoveries could be reported:

PAH - SW-846-8270B

EW-E7-A

DRO - SW-846-8015

EW-E6-A

EW-E7-A

EB-E7

5. The detection limits for the following samples were elevated due to matrix interference:

PEST/PCB - SW-846-8081 & 8082

EW-E7-A

EW-F5

EB-F5-X

6. The response of one or more internal standards was outside the method specified limit for the following samples due to matrix interference:

BTEX - SW-846-8260A

EW-E8-B

The results for these samples should be considered estimated.

7. The DRO hits in the following samples appear to be a light hydrocarbon such as a kerosene:

EW-E6-A

EW-E6-B

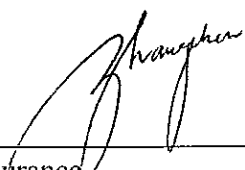
EW-E7-A

EB-E7

EB-E8

EB-F5

EB-F5-X



Quality Assurance



Client Services Representative

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38319

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E6-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	250
Ethyl benzene	8,000	250
Toluene	<RDL	250
Xylenes	20,000	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,500	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	12	5
Cadmium	1.3	0.5
Chromium	<RDL	5
Lead	15	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	7,800	3300
2-Methylnaphthalene	11,000	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	4,900	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	79	0

Nitrobenzene-d5	172	0
p-Terphenyl-d14	84	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

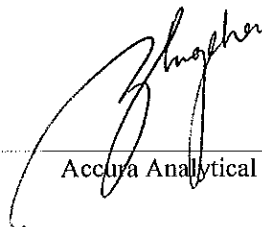
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	84	0
Tetrachloro-m-xylene	52	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	112	0
4-Bromofluorobenzene	137	0
Toluene-d8	103	0



Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38320

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E6-B

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	29	25
Ethyl benzene	410	25
Toluene	<RDL	25
Xylenes	130	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	11	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	12	5
Cadmium	1.2	0.5
Chromium	<RDL	5
Lead	22	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.0	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	80	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	56	0

Nitrobenzene-d5	47	0
p-Terphenyl-d14	83	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

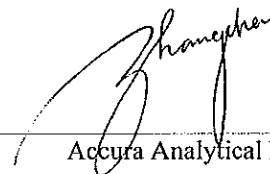
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	117	0
Tetrachloro-m-xylene	88	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	112	0
4-Bromofluorobenzene	147	0
Toluene-d8	108	0



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38321

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	14	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	86	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	39	0

Nitrobenzene-d5	37	0
p-Terphenyl-d14	81	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

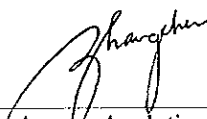
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	100	0
Tetrachloro-m-xylene	90	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	109	0
4-Bromofluorobenzene	130	0
Toluene-d8	118	0



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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38322

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E7-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,200	500
Ethyl benzene	47,000	2500
Toluene	<RDL	500
Xylenes	150,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	4,300	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	15	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	6.2	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	21,000	16000
2-Methylnaphthalene	31,000	16000
Acenaphthene	<RDL	16000
Acenaphthylene	<RDL	16000
Anthracene	<RDL	16000
Benzo(a)anthracene	<RDL	16000
Benzo(a)pyrene	<RDL	16000
Benzo(b)fluoranthene	<RDL	16000
Benzo(g,h,i)perylene	<RDL	16000
Benzo(k)fluoranthene	<RDL	16000
Chrysene	<RDL	16000
Dibenzo(a,h)anthracene	<RDL	16000
Fluoranthene	<RDL	16000
Fluorene	<RDL	16000
Indeno(1,2,3-cd)pyrene	<RDL	16000
Naphthalene	17,000	16000
Phenanthrene	<RDL	16000
Pyrene	<RDL	16000

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	4
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	4

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	30
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	See narrative	0

Nitrobenzene-d5
p-Terphenyl-d14

See narrative 0
See narrative 0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

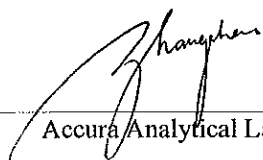
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	81	0
Tetrachloro-m-xylene	79	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	109	0
4-Bromofluorobenzene	178	0
Toluene-d8	96	0


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USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38323

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	500
Ethyl benzene	7,700	500
Toluene	<RDL	500
Xylenes	8,200	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	920	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	6,900	3300
2-Methylnaphthalene	9,600	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	3,900	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	79	0

Nitrobenzene-d5	107	0
p-Terphenyl-d14	89	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

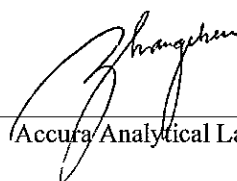
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	83	0
Tetrachloro-m-xylene	71	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	113	0
4-Bromofluorobenzene	134	0
Toluene-d8	98	0



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LABORATORY REPORT

Accura Sample ID #: AB38324

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E8-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	31	25
Toluene	<RDL	25
Xylenes	100	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	73	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	37	0

Nitrobenzene-d5	31	0
p-Terphenyl-d14	80	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

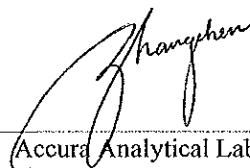
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	99	0
Tetrachloro-m-xylene	59	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	105	0
4-Bromofluorobenzene	118	0
Toluene-d8	102	0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38325

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E8-B

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	73	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	55	0

Nitrobenzene-d5	50	0
p-Terphenyl-d14	83	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

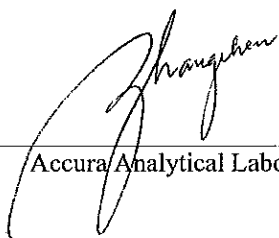
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	103	0
Tetrachloro-m-xylene	86	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	115	0
4-Bromofluorobenzene	139	0
Toluene-d8	121	0



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38326

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	250
Ethyl benzene	3,300	250
Toluene	<RDL	250
Xylenes	9,500	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,000	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	0.6	0.5
Chromium	<RDL	5
Lead	15	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	13,000	1600
2-Methylnaphthalene	5,800	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	<RDL	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	73	0

Nitrobenzene-d5	171	0
p-Terphenyl-d14	85	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

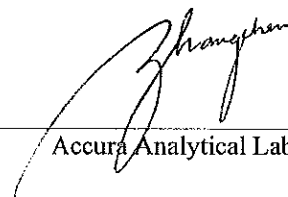
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	96	0
Tetrachloro-m-xylene	57	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	112	0
4-Bromofluorobenzene	164	0
Toluene-d8	105	0



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38327

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-F5

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	<RDL	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	18	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	4
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.2	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	71	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	65	0

Nitrobenzene-d5	60	0
p-Terphenyl-d14	81	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

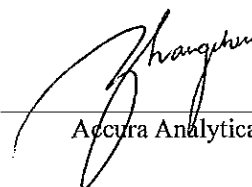
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	107	0
Tetrachloro-m-xylene	79	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	111	0
4-Bromofluorobenzene	132	0
Toluene-d8	113	0



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LABORATORY REPORT

Accura Sample ID #: AB38328

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-F5

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	64	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	62	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	480	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.0	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	78	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	53	0

Nitrobenzene-d5	52	0
p-Terphenyl-d14	79	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

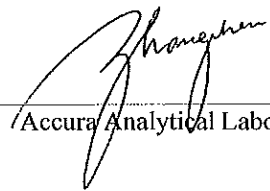
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	82	0
Tetrachloro-m-xylene	72	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	108	0
4-Bromofluorobenzene	132	0
Toluene-d8	115	0



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LABORATORY REPORT

Accura Sample ID #: AB38329

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-F5-X

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	4,600	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	35	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	5.5	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	14
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	73	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	50	0

Nitrobenzene-d5	41	0
p-Terphenyl-d14	87	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

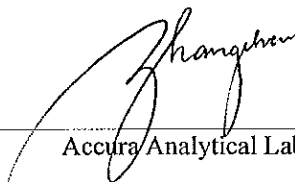
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	100	0
Tetrachloro-m-xylene	94	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	95	0
4-Bromofluorobenzene	118	0
Toluene-d8	105	0


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USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38330

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: I-TB

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

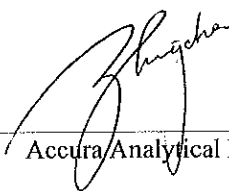
Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	106	0
4-Bromofluorobenzene	105	0
Toluene-d8	103	0


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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38331

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	77	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	41	0

Nitrobenzene-d5	38	0
p-Terphenyl-d14	82	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

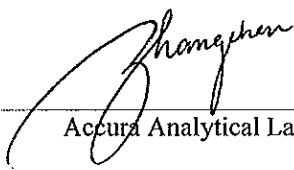
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	94	0
Tetrachloro-m-xylene	82	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	103	0
4-Bromofluorobenzene	113	0
Toluene-d8	104	0


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LABORATORY REPORT

Accura Sample ID #: AB38332

Accura Project #: 15782

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/17/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030A/8260A

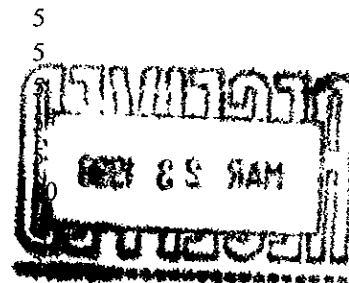
Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL
trans-1,2-Dichloroethene	<RDL
trans-1,3-Dichloropropene	<RDL
Trichloroethene	<RDL
Trichlorofluoromethane	<RDL
Vinyl acetate	<RDL
Vinyl chloride	<RDL
Xylenes (Total)	<RDL



ANALYSIS: X VOC QC Surrogates (Waters)

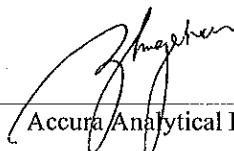
Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	97	0
4-Bromofluorobenzene	101	0
Toluene-d8	104	0


 Accura Analytical Laboratory, Inc.



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

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6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Company Name: Omega Environmental Services, Inc. Billing address: _____
Address: 4667 Hammermill Rd. Suite B Tucker GA 30084 Client P.O. # _____
Report Sent to: (Client Contact): Cenesciences Inc. / Travis Shepard
Contact Phone # (412) 757-1606 Fax # (412) 757-1608
Project Name: Hunter AAF Fire Training Area
Project Number: DACA 21-97-C-0042

Samplers: (signature)		Samplers: (printed)				For Laboratory Use Only		Accura Sample ID No. AB	
Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	Remarks	
EB-F6	2/26/98						3		38255
EB-F7	2/26/98						3		38256
EW-F8	2/26/98						3		
EB-F8	2/26/98						3		38257
EW-G5-a	2/26/98						3		38258
EW-G5-b	2/26/98						3		38259
EB-G5	2/26/98						3		38260
EB-G6	2/26/98						3		38261
EB-G7	2/26/98						3		38262
EB-G8	2/26/98						3		38263
Relinquished By: <u>[Signature]</u>		Date / Time	Received By: <u>Patricia Nade</u>		Date / Time	Special Requirements Or Remarks:			
Relinquished By: <u>[Signature]</u>		Date / Time	Received By: <u>[Signature]</u>		Date / Time	Turnaround Time Requested:			

CHAIN OF CUSTODY

Company Name: Amega Environmental Services, Inc.

Address: 4667 Hammemill Rd, Suite B Parker CO 80824 Client P.O. #

Report Sent to: (Client Contact): Text-Experts Inc./Tina's Spina

Contact Phone # 012) 757-1106 Fax # 012) 757-1108

Project Name: Winter AAF Fire Training Area

Project Number: DATA 21-97-C-0042

Samplers: (signature)

Samplers: (printed)

Samplers: (printed) Lewis Shepard

Sample ID #

**Sample
Date / Time**

20

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Reserv

Sample Location:

No. of
Containers

EB-68-X	2/26/98
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II-7B	2/26/98
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~~Relinquished By:~~

Date / Time

Received By:

Date/Time

Special Requirements Or Remarks:

Relinquished By:

Date/Time

Received By:

Date / Time

Turnaround Time Requested:

ACCURA ANALYTICAL LABORATORY, INC.
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

CASE NARRATIVE for Project Number: 15784

Client Project: Hunter AAF Fire Training Area / DACA21-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8020A

EB-F6	EB-F7	EB-F8	EW-G5-A	EB-G5	EB-G6
EB-G7	EB-G8	EB-G8-X			

Diesel Range Organics (DRO) - SW-846-8015

EB-F6	EB-F7	EB-F8	EB-G6	EB-G7	EB-G8
EB-G8-X					

PCB - SW-846-8082

EB-F7

Pesticides - SW-846-8081A

EB-F7

PAH - SW-846-8270B

EB-F6	EB-F7	EB-F8	EB-G6	EB-G7	EB-G8
EB-GX-8					

2. The hits in samples EB-F6, EB-F7, EB-F8, EB-G6, EB-G7, EB-G8 and EB-G8-X appear to be light hydrocarbons such as kerosene. The hit in sample EB-G5 appears to be a heavy hydrocarbon such as an oil. The hit in sample EW-G5-B appears to be a mixture of hydrocarbons that are heavier and lighter than diesel fuel.
3. One surrogate was outside the method specified limit due to matrix interference for the following samples:

BTEX - SW-846-8260A

4-Bromofluorobenzene -	EB-F6	EB-F7	EW-G5-A	EW-G5-B
EB-G5	EB-G6	EB-G8	EB-G8-X	

4. The response of one or more internal standards was outside the method specified limit for the following sample due to matrix interference:

BTEX - SW-846-8260A

EW-G5-B

The results for these samples should be considered estimated.

5. The surrogate for the following samples was diluted out; therefore no recoveries could be reported:

Diesel Range Organics (DRO) - SW-846-8015

EB-F6

EB-F7

EB-F8

EB-G6

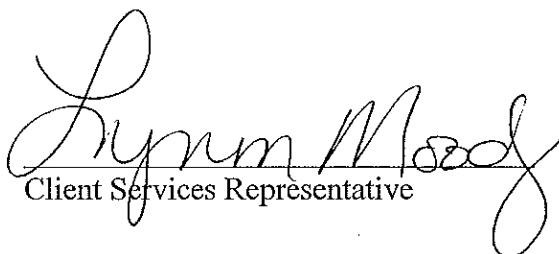
EB-G7

EB-G8

EB-G8-X



Quality Assurance


Lynn Moody
Client Services Representative

ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38255

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-F6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	500
Ethyl benzene	570	500
Toluene	<RDL	500
Xylenes	22,000	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	820	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	5,000	1700
2-Methylnaphthalene	6,900	1700
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	2,500	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	68	0

Nitrobenzene-d5	96	0
p-Terphenyl-d14	84	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	86	0
Tetrachloro-m-xylene	85	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	101	0
4-Bromofluorobenzene	125	0
Toluene-d8	96	0

Asmeth

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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38256

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-F7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,400	500
Ethyl benzene	20,000	500
Toluene	<RDL	500
Xylenes	11,000	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	3,100	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	23	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	15,000	1700
2-Methylnaphthalene	25,000	6600
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	14,000	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0

Nitrobenzene-d5	112	0
p-Terphenyl-d14	75	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	71	0
Tetrachloro-m-xylene	72	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	99	0
4-Bromofluorobenzene	147	0
Toluene-d8	94	0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38257

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-F8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	18,000	2500
Toluene	<RDL	2500
Xylenes	62,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,100	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	7.2	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	5,500	1600
2-Methylnaphthalene	<RDL	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	<RDL	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	67	0

Nitrobenzene-d5	97	0
p-Terphenyl-d14	76	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	74	0
Tetrachloro-m-xylene	74	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	103	0
4-Bromofluorobenzene	120	0
Toluene-d8	93	0



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LABORATORY REPORT

Accura Sample ID #: AB38258

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EW-G5-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	11	10
Toluene	<RDL	10
Xylenes	21	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.5	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.0	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	89	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	64	0

Nitrobenzene-d5	46	0
p-Terphenyl-d14	78	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	82	0
Tetrachloro-m-xylene	81	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	115	0
4-Bromofluorobenzene	140	0
Toluene-d8	103	0



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LABORATORY REPORT

Accura Sample ID #: AB38259

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EW-G5-B

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	7.8	5
Ethyl benzene	21	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	16	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	1.0	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	81	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	66	0

Nitrobenzene-d5	57	0
p-Terphenyl-d14	85	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	97	0
Tetrachloro-m-xylene	95	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	106	0
4-Bromofluorobenzene	140	0
Toluene-d8	115	0



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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38260

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G5

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	<RDL	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	12	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	8.1	5
Cadmium	0.6	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	89	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	31	0

Nitrobenzene-d5	28	0
p-Terphenyl-d14	70	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

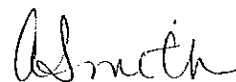
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	98	0
Tetrachloro-m-xylene	91	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	111	0
4-Bromofluorobenzene	130	0
Toluene-d8	115	0



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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38261

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	500
Ethyl benzene	6,700	500
Toluene	<RDL	500
Xylenes	12,000	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	620	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.7	5
Cadmium	0.6	0.5
Chromium	<RDL	5
Lead	15	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	6,200	1600
2-Methylnaphthalene	9,200	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	4,800	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	69	0

Nitrobenzene-d5	92	0
p-Terphenyl-d14	82	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	92	0
Tetrachloro-m-xylene	77	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	100	0
4-Bromofluorobenzene	130	0
Toluene-d8	107	0



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SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38262

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	1300
Ethyl benzene	1,300	1300
Toluene	<RDL	1300
Xylenes	39,000	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,700	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	12	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	10,000	1700
2-Methylnaphthalene	15,000	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	7,400	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	78	0

Nitrobenzene-d5	102	0
p-Terphenyl-d14	81	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	77	0
Tetrachloro-m-xylene	64	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	101	0
4-Bromofluorobenzene	118	0
Toluene-d8	104	0



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LABORATORY REPORT

Accura Sample ID #: AB38263

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	1300
Ethyl benzene	10,000	1300
Toluene	<RDL	1300
Xylenes	4,800	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,100	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	10,000	1700
2-Methylnaphthalene	9,500	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	<RDL	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	1.1	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	80	0

Nitrobenzene-d5	100	0
p-Terphenyl-d14	84	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	63	0
Tetrachloro-m-xylene	63	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	99	0
4-Bromofluorobenzene	126	0
Toluene-d8	104	0



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LABORATORY REPORT

Accura Sample ID #: AB38264

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G8-X

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	680	500
Ethyl benzene	6,000	500
Toluene	<RDL	500
Xylenes	1,800	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,100	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	7,600	1700
2-Methylnaphthalene	3,600	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	<RDL	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	72	0

Nitrobenzene-d5	99	0
p-Terphenyl-d14	74	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	71	0
Tetrachloro-m-xylene	62	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	101	0
4-Bromofluorobenzene	130	0
Toluene-d8	107	0



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LABORATORY REPORT

Accura Sample ID #: AB38265

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: II-TB

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	105	0
4-Bromofluorobenzene	100	0
Toluene-d8	100	0



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LABORATORY REPORT

Accura Sample ID #: AB38266

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/5/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	73	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/5/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	49	0

Nitrobenzene-d5	39	0
p-Terphenyl-d14	86	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	98	0
Tetrachloro-m-xylene	82	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	102	0
4-Bromofluorobenzene	113	0
Toluene-d8	106	0



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38267

Accura Project #: 15784

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	97	0
4-Bromofluorobenzene	101	0
Toluene-d8	104	0

ASmith

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III A 13919

Environmental Analytical Services

CHAIN OF CUSTODY

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Omega Environmental Services, Inc

Billing address:

Address: 4601 Hammermill Rd Suite B Tucker GA 30084

Client P.O. #

Report Sent to: (Client Contact): Executives, Inc./ Travis Sheppard

For Laboratory Use Only

Contact Phone # (812) 757-1606 Fax # (812) 757-1608

Custody Seal: Y N

Page 1 of 2

Project Name: Hunter AAF Fire Training Area

QC Level: N 1 2 3 4

Init Temp: 78.04°C

Project Number: DPCA 21-97-C-2042

Sample Condition: GOOD

AAI Lab Project # 15785

Samplers: (signature)		Samplers: (printed)				ANALYSIS												Remarks	Accura Sample ID No. AB
Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	TCLP Metals RCRA Metals PAHs P-TX Organic Metals Pesticides PCBs TPH (D20)											
EW-H4	2/26/98					2/26/98 08	3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-H4	2/26/98					2/26/98 08	3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-H5	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-H6	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-H7	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-H8	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
EW-I4-a	2/26/98					2/26/98 08	3	✓	✓	✓	✓	✓	✓	✓	✓				
EW-I4-b	2/26/98					2/26/98 08	3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-I4	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
EB-I5	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓				
Relinquished By:		Date / Time		Received By:		Date / Time		Special Requirements Or Remarks:											
Relinquished By:		2/26/98		Received By:		2/27/98 9:50am		Turnaround Time Requested:											
Relinquished By:																			

ACCURA ANALYTICAL LABORATORY, INC.
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

CASE NARRATIVE for Project Number: 15785
Client Project: Hunter AAF Fire Training / DACA21-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7
EB-I8					

PAH - SW-846-8270B

EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7
EB-I8					

Diesel Range Organics (DRO) - SW-846-8015

EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7
EB-I8					

PCB - SW-846-8082

EB-I6

Pesticides - SW-846-8081A

EB-I6

2. The surrogates were diluted out for the following samples; therefore no recoveries could be reported.

Diesel Range Organics (DRO) - SW-846-8015

EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7
EB-I8					

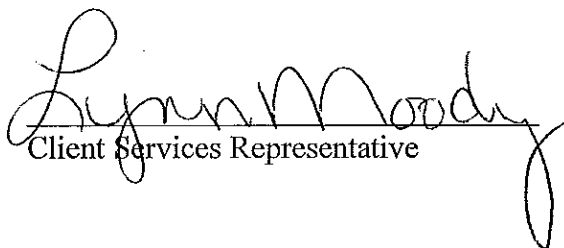
3. The DRO hits in samples EB-H5, EB-H6, EB-H7, EB-H8, EB-I6, EB-I7 and EB-I8 appear to be light hydrocarbons such as kerosene
4. One surrogate was outside the method specified limits for the following sample due to matrix interference:

BTEX - SW-846-8260A

EB-I5-X



Quality Assurance



Client Services Representative

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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38243

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Client Contact: T. SHEPPARD

Client Project Number: DACA21-97-C-0042

Client Project Name: HUNTER AAF FIRE TRAINING

Client Sample ID: EB-H5

Date Sampled: 2/26/98

Date Received: 2/27/98

Date Reported: 3/12/98

Sample Matrix: SOIL

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98

Result Units: ug/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	<RDL	2500
Ethyl benzene	19,000	2500
Toluene	<RDL	2500
Xylenes	25,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	1,900	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	6.5	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	8,600	1700
2-Methylnaphthalene	12,000	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	8,400	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	86	0

Nitrobenzene-d5	39	0
p-Terphenyl-d14	100	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	90	0
Tetrachloro-m-xylene	74	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	80	0
4-Bromofluorobenzene	106	0
Toluene-d8	99	0



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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38244

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	12,000	2500
Toluene	<RDL	2500
Xylenes	16,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,600	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	8,300	1700
2-Methylnaphthalene	11,000	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	4,500	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	10
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	82	0

Nitrobenzene-d5
p-Terphenyl-d14

51
95

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

80
66

0
0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

Analyte Name

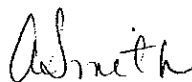
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

87
106
104

0
0
0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38245

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Client Contact: T. SHEPPARD

Client Project Number: DACA21-97-C-0042

Client Project Name: HUNTER AAF FIRE TRAINING

Client Sample ID: EB-H7

Date Sampled: 2/26/98

Date Received: 2/27/98

Date Reported: 3/12/98

Sample Matrix: SOIL

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	<RDL	2500
Ethyl benzene	9,000	2500
Toluene	<RDL	2500
Xylenes	9,300	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	1,200	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	14	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	6,400	1700
2-Methylnaphthalene	8,700	1700
Acenaphthene	<RDL	1700
Acenaphthylene	<RDL	1700
Anthracene	<RDL	1700
Benzo(a)anthracene	<RDL	1700
Benzo(a)pyrene	<RDL	1700
Benzo(b)fluoranthene	<RDL	1700
Benzo(g,h,i)perylene	<RDL	1700
Benzo(k)fluoranthene	<RDL	1700
Chrysene	<RDL	1700
Dibenzo(a,h)anthracene	<RDL	1700
Fluoranthene	<RDL	1700
Fluorene	<RDL	1700
Indeno(1,2,3-cd)pyrene	<RDL	1700
Naphthalene	5,500	1700
Phenanthrene	<RDL	1700
Pyrene	<RDL	1700

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	94	0

Nitrobenzene-d5	86	0
p-Terphenyl-d14	103	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	92	0
Tetrachloro-m-xylene	76	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	85	0
4-Bromofluorobenzene	100	0
Toluene-d8	99	0

Smith

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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38246

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	9,000	2500
Toluene	<RDL	2500
Xylenes	38,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	990	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	15	5
Cadmium	1.0	0.5
Chromium	<RDL	5
Lead	20	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	5,500	1600
2-Methylnaphthalene	7,500	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	4,500	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	99	0

Nitrobenzene-d5	106	0
p-Terphenyl-d14	110	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %


<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	83	0
Tetrachloro-m-xylene	75	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	93	0
4-Bromofluorobenzene	108	0
Toluene-d8	107	0



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LABORATORY REPORT

Accura Sample ID #: AB38247

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Client Contact: T. SHEPPARD

Client Project Number: DACA21-97-C-0042

Client Project Name: HUNTER AAF FIRE TRAINING

Client Sample ID: EB-I5

Date Sampled: 2/26/98

Date Received: 2/27/98

Date Reported: 3/12/98

Sample Matrix: SOIL

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

Analyte Name

Analytical Results

Reported Detection Limits

	<RDL	5
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

	<RDL	10
Diesel Range Organics (DRO)		

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

	<RDL	0.5
Mercury		

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

	<RDL	5
Arsenic	6.8	5
Barium	<RDL	0.5
Cadmium	<RDL	5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	10
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene		

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	84	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	62	0

Nitrobenzene-d5	49	0
p-Terphenyl-d14	91	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	86	0
Tetrachloro-m-xylene	90	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	89	0
4-Bromofluorobenzene	119	0
Toluene-d8	110	0

ASmith

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38248

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I5-X

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	6.8	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	13	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Method Ref: 3550A/8270B

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Method Ref: 3550A/8082

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Method Ref: 3550A/8081A

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

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<RDL = Less than Reported Detection Limit

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Client Sample ID: EB-15-X

AAI Sample ID #: AB38248 Accura Project #: 15785

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	10
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene		

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	75	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	66	0

Nitrobenzene-d5
p-Terphenyl-d14

60
87

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Result Units: %

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

93
89

0
0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Result Units: %

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98

Analyte Name

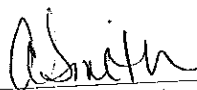
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

90
122
110

0
0
0



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LABORATORY REPORT

Accura Sample ID #: AB38249

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: III-TB

Method Ref: 5030A/8260A

ANALYSIS: VOC's

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

Analyte Name	Analytical Results	Reported Detection Limits
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	50
2-Butanone (MEK)	<RDL	10
2-Chloroethylvinyl ether	<RDL	50
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	5
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

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<RDL = Less than Reported Detection Limit

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Client Sample ID: III-TB

AALSample ID #: AB38249 Accura Project #: 15785

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	97	0
4-Bromofluorobenzene	98	0
Toluene-d8	99	0



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LABORATORY REPORT

Accura Sample ID #: AB38250

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	<RDL	2500
Toluene	<RDL	2500
Xylenes	29,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	6,500	2000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	30,000	6500
2-Methylnaphthalene	39,000	6500
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	14,000	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	4
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0

Nitrobenzene-d5	124	0
p-Terphenyl-d14	106	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

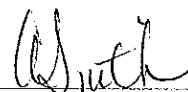
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	77	0
Tetrachloro-m-xylene	72	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	88	0
4-Bromofluorobenzene	117	0
Toluene-d8	110	0



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LABORATORY REPORT

Accura Sample ID #: AB38251

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	13,000	2500
Toluene	<RDL	2500
Xylenes	34,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,200	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	8.1	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	11,000	1600
2-Methylnaphthalene	15,000	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	10,000	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	88	0

Nitrobenzene-d5	99	0
p-Terphenyl-d14	114	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	73	0
Tetrachloro-m-xylene	62	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	89	0
4-Bromofluorobenzene	110	0
Toluene-d8	103	0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38252

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	5,100	2500
Toluene	<RDL	2500
Xylenes	<RDL	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	840	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.4	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	5,200	1600
2-Methylnaphthalene	7,200	1600
Acenaphthene	<RDL	1600
Acenaphthylene	<RDL	1600
Anthracene	<RDL	1600
Benzo(a)anthracene	<RDL	1600
Benzo(a)pyrene	<RDL	1600
Benzo(b)fluoranthene	<RDL	1600
Benzo(g,h,i)perylene	<RDL	1600
Benzo(k)fluoranthene	<RDL	1600
Chrysene	<RDL	1600
Dibenzo(a,h)anthracene	<RDL	1600
Fluoranthene	<RDL	1600
Fluorene	<RDL	1600
Indeno(1,2,3-cd)pyrene	<RDL	1600
Naphthalene	4,400	1600
Phenanthrene	<RDL	1600
Pyrene	<RDL	1600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	97	0

Nitrobenzene-d5	91	0
p-Terphenyl-d14	114	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	94	0
Tetrachloro-m-xylene	76	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	87	0
4-Bromofluorobenzene	111	0
Toluene-d8	108	0



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LABORATORY REPORT

Accura Sample ID #: AB38253

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/12/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/4/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/2/98 Date Ext/Dig/Prep: 3/2/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/3/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	66	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/4/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	65	0

Nitrobenzene-d5	50	0
p-Terphenyl-d14	92	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	98	0
Tetrachloro-m-xylene	82	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/3/98 Date Ext/Dig/Prep: 3/3/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	90	0
4-Bromofluorobenzene	93	0
Toluene-d8	95	0

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LABORATORY REPORT

Accura Sample ID #: AB38254

Accura Project #: 15785

Client: Omega Env. Services - Tucker

Date Sampled: 2/26/98

Client Contact: T. SHEPPARD

Date Received: 2/27/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/13/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	5
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/3/98

Date Ext/Dig/Prep: 3/3/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	97	0
4-Bromofluorobenzene	101	0
Toluene-d8	104	0



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Environmental Analytical Services

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Company Name: Amgen Environmental Services, Inc.

Billing address:

Address: 446 Hammond Rd Suite B Tucker GA 30084 Client P.O. #

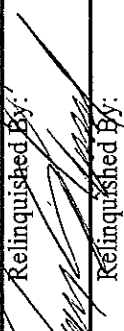
Report Sent to: (Client Contact): Greggiers Inc./ Travis Sheppard

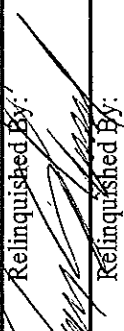
Contact Phone # (912) 757-1606 Fax # (912) 757-1608

Project Name: Hunter AAF Fire Training Area

Project Number: DAZ A21-97-C-0032

Samplers: (signature)		Samplers: (printed)		ANALYSTS				Accura Sample ID No. AB	Remarks	Special Requirements Or Remarks:
Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers			
EW-H4	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-I4-a	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-I4-b	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L8	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L8-b	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L8-a	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L7	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L7	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L6	3/3/98	✓	✓	✓	✓		3	✓	✓	
EW-L6	3/3/98	✓	✓	✓	✓		3	✓	✓	

Relinquished By: 

Relinquished By: 

Date / Time: 3-3-98

Date / Time: 3/4/98 10:00

Received By: Jim Leil 3/4/98

Received By:

Turnaround Time Requested:

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LABORATORY REPORT

Accura Sample ID #: AB38571

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-H4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	<RDL	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	7.8	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	5.6	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	7.6	2
4,4'-DDE	7.5	2
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	87	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	60	0
Nitrobenzene-d5	56	0
p-Terphenyl-d14	76	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	89	0
Tetrachloro-m-xylene	46	0

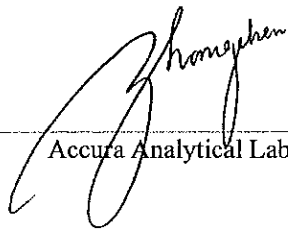
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	94	0
4-Bromofluorobenzene	115	0
Toluene-d8	112	0


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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38572

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-I4-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	1000
Ethyl benzene	<RDL	1000
Toluene	<RDL	1000
Xylenes	<RDL	1000

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,504	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	7.1	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	8.9	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	7,700	3300
2-Methylnaphthalene	11,000	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	8,400	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	4.3	2
4,4'-DDE	3.2	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	65	0
Nitrobenzene-d5	119	0
p-Terphenyl-d14	70	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	103	0
Tetrachloro-m-xylene	76	0

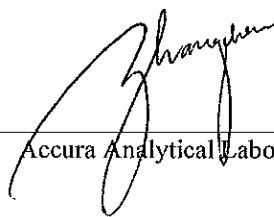
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	83	0
4-Bromofluorobenzene	126	0
Toluene-d8	108	0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38573

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-I4-B

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	<RDL	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.2	5
Cadmium	<RDL	0.5
Chromium	9.4	5
Lead	5.1	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	8.5	2
4,4'-DDE	6.4	2
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	89	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	52	0
Nitrobenzene-d5	50	0
p-Terphenyl-d14	64	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	121	0
Tetrachloro-m-xylene	69	0

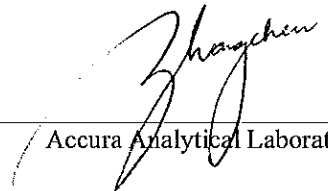
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	92	0
4-Bromofluorobenzene	113	0
Toluene-d8	106	0


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LABORATORY REPORT

Accura Sample ID #: AB38574

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	2500
Ethyl benzene	11,000	2500
Toluene	<RDL	2500
Xylenes	51,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	4,000	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	11,000	3300
2-Methylnaphthalene	16,000	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	9,500	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	6
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	10
Methoxychlor	<RDL	20
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	85	0
Nitrobenzene-d5	170	0
p-Terphenyl-d14	86	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	74	0
Tetrachloro-m-xylene	94	0

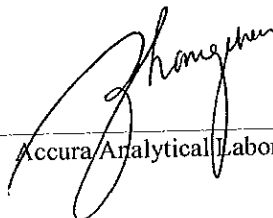
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	84	0
4-Bromofluorobenzene	106	0
Toluene-d8	103	0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38575

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L8-B

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Benzene

2,900

1300

Ethyl benzene

23,000

1300

Toluene

<RDL

1300

Xylenes

100,000

1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Diesel Range Organics (DRO)

13,000

1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Mercury

<RDL

0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Arsenic

<RDL

5

Barium

12

5

Cadmium

<RDL

0.5

Chromium

<RDL

5

Lead

11

5

Selenium

<RDL

5

Silver

<RDL

5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	40,000	16000
2-Methylnaphthalene	50,000	16000
Acenaphthene	<RDL	16000
Acenaphthylene	<RDL	16000
Anthracene	<RDL	16000
Benzo(a)anthracene	<RDL	16000
Benzo(a)pyrene	<RDL	16000
Benzo(b)fluoranthene	<RDL	16000
Benzo(g,h,i)perylene	<RDL	16000
Benzo(k)fluoranthene	<RDL	16000
Chrysene	<RDL	16000
Dibenzo(a,h)anthracene	<RDL	16000
Fluoranthene	<RDL	16000
Fluorene	<RDL	16000
Indeno(1,2,3-cd)pyrene	<RDL	16000
Naphthalene	<RDL	16000
Phenanthrene	<RDL	16000
Pyrene	<RDL	16000

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	81	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	10
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	4
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	4
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	40
Toxaphene	<RDL	40

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/13/98 Date Ext/Dig/Prep: 3/9/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	See narrative	0
Nitrobenzene-d5	See narrative	0
p-Terphenyl-d14	See narrative	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98 Result Units: %

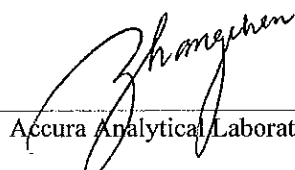
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	16	0
Tetrachloro-m-xylene	56	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	106	0
4-Bromofluorobenzene	136	0
Toluene-d8	102	0


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NC Certification # 483

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LABORATORY REPORT

Accura Sample ID #: AB38576

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L8-A

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,400	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	14	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	60	0
Nitrobenzene-d5	53	0
p-Terphenyl-d14	60	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	70	0
Tetrachloro-m-xylene	86	0

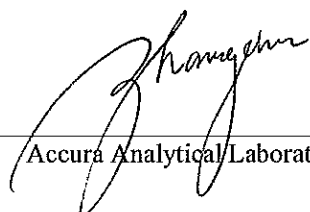
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	82	0
4-Bromofluorobenzene	153	0
Toluene-d8	108	0


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LABORATORY REPORT

Accura Sample ID #: AB38577

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	5,000	1300
Ethyl benzene	37,000	1300
Toluene	<RDL	1300
Xylenes	29,000	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	8,900	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	15,000	3300
2-Methylnaphthalene	21,000	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	14,000	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	26	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	8
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/12/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	77	0
Nitrobenzene-d5	194	0
p-Terphenyl-d14	79	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	26	0
Tetrachloro-m-xylene	104	0

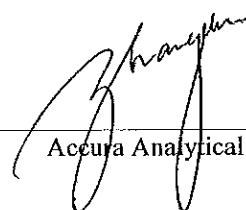
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	89	0
4-Bromofluorobenzene	132	0
Toluene-d8	122	0



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38578

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	5.9	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.4	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	79	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	60	0
Nitrobenzene-d5	55	0
p-Terphenyl-d14	69	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	78	0
Tetrachloro-m-xylene	71	0

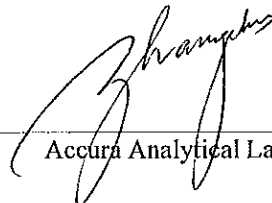
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	89	0
4-Bromofluorobenzene	117	0
Toluene-d8	100	0



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USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38579

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	2,500	1300
Ethyl benzene	23,000	1300
Toluene	<RDL	1300
Xylenes	2,300	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,800	500

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	7,200	1600
2-Methylnaphthalene	11,000	1600
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	7,300	1600
Phenanthrene	550	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	4
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	66	0
Nitrobenzene-d5	100	0
p-Terphenyl-d14	75	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	56	0
Tetrachloro-m-xylene	96	0

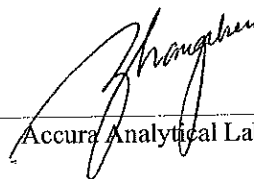
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	81	0
4-Bromofluorobenzene	117	0
Toluene-d8	112	0


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LABORATORY REPORT

Accura Sample ID #: AB38580

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	<RDL	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	10	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	82	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	65	0
Nitrobenzene-d5	63	0
p-Terphenyl-d14	73	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	74	0
Tetrachloro-m-xylene	64	0

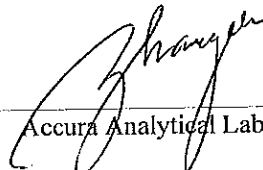
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	88	0
4-Bromofluorobenzene	123	0
Toluene-d8	104	0


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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38581

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L6-X

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	<RDL	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	68	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	68	0
Nitrobenzene-d5	62	0
p-Terphenyl-d14	74	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	85	0
Tetrachloro-m-xylene	57	0

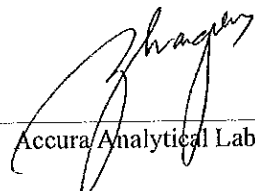
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	96	0
4-Bromofluorobenzene	131	0
Toluene-d8	102	0


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NC Certification # 483

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LABORATORY REPORT

Accura Sample ID #: AB38582

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: IV-TB

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

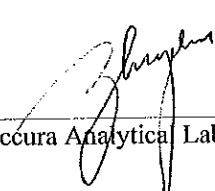
Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	87	0
4-Bromofluorobenzene	99	0
Toluene-d8	100	0


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LABORATORY REPORT

Accura Sample ID #: AB38583

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Leachate Fluid pH

Method Ref: 1311

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: pH Units

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Leachate Fluid pH	5.0	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/9/98 Date Ext/Dig/Prep: 3/9/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	77	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	75	0
Nitrobenzene-d5	71	0
p-Terphenyl-d14	80	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/9/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	94	0
Tetrachloro-m-xylene	72	0

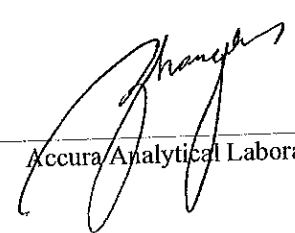
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	86	0
4-Bromofluorobenzene	97	0
Toluene-d8	95	0


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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38584

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/18/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

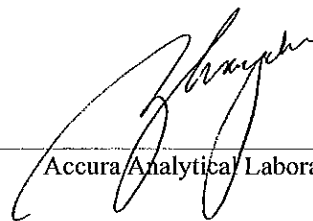
Method Ref: 8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	81	0
4-Bromofluorobenzene	86	0
Toluene-d8	92	0



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LABORATORY REPORT

Accura Sample ID #: AB38585

Accura Project #: 15821

Client: Omega Env. Services - Tucker

Client Contact: T. SHEPPARD

Client Project Number: DACA21-97-C-0042

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Client Sample ID: TRIP BLANK

Date Sampled: 3/3/98

Date Received: 3/4/98

Date Reported: 3/18/98

Sample Matrix: WATER

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/L

Analyte Name	Analytical Results	Reported Detection Limits
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	50
2-Butanone (MEK)	<RDL	10
2-Chloroethylvinyl ether	<RDL	50
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	5
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

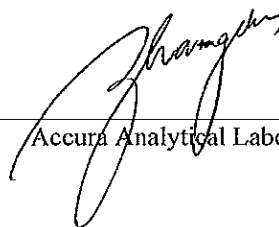
Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	86	0
4-Bromofluorobenzene	104	0
Toluene-d8	104	0



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CASE NARRATIVE for Project Number: 15821
Client Project: Hunter AAF Fire Training Area / DACA21-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

EW-H4	EW-I4-A	EW-I4-B	EB-L8	EW-L8-B
EB-L7	EB-L6	EW-L6	EW-L6-X	

PAH - SW-846-8270B

EW-I4-A	EB-L8	EW-L8-B	EB-L7	EB-L6
---------	-------	---------	-------	-------

DRO - SW-846-8015

EW-I4-A	EB-L8	EW-L8-B	EW-L8-A	EB-L7	EB-L6
---------	-------	---------	---------	-------	-------

2. The following surrogate recoveries were outside the method specified limits due to matrix interference:

BTEX - SW-846-8260A

4-Bromofluorobenzene-	EW-I4-A	EW-L8-B	EW-L8-A
	EB-L7	EW-L6	EW-L6-X

Toluene-d8	EB-L7
------------	-------

3. One surrogate recovery was outside the method specified limits for following samples:

PAH - SW-846-8270B

Nitrobenzene-d5-	EB-L8	EB-L7
------------------	-------	-------

PEST/PCB - SW-846-8081 & 8082

Decachlorobiphenyl(DCB)-

EW-L8-B

EB-L7

The remaining surrogates were within acceptable limits; therefore the data satisfies the method requirements.

4. The surrogates were diluted out for the following samples; therefore no recoveries could be reported:

PAH - SW-846-8270B

EW-L8-B

DRO - SW-846-8015

EW-I4-A

EB-L8

EW-L8-B

EW-L8-A

EB-L7

EB-L6

5. The detection limits for the following samples were elevated due to matrix interference:

PEST/PCB - SW-846-8081 & 8082

EW-H4

EW-I4-B

EB-L8

EW-L8-A

EB-L7

EB-L6

6. The response of one or more internal standards was outside the method specified limit for the following samples due to matrix interference:

BTEX - SW-846-8260A

1,2-Dichlorobenzene-d4-

EW-L8-A

The results for these samples should not be effected.

7. The DRO hit in the following sample appears to be a light hydrocarbon such as a kerosene:

EW-I4-A

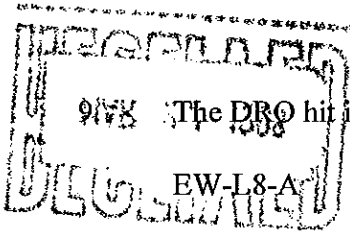
8. The DRO hits in the following samples appear to be a mixture of a light hydrocarbon such as a kerosene and a heavy hydrocarbon such as an oil:

EB-L8

EW-L8-B

EB-L7

EB-L6

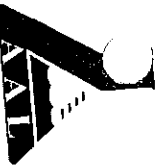


9178 The DRQ hit in the following sample appears to be a heavy hydrocarbon such as an oil:

EW-L8-A

Quality Assurance

Client Services Representative



CHAIN OF CUSTODY

Billing address:

Client P.O. #

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Page 1 OF 2

Company Name: Greco Environmental Services, Inc.
Address: 4401 Hammond Rd. Suite B Tucker, GA 30084
Report Sent to: (Client Contact): Geosciences, Inc. Travis Shepard
Contact Phone # (912) 757-1606 Fax # (912) 757-1608
Project Name: Hunter AAF Fire Training Area
Project Number: DACA21-97-C-0042

Custody Seal: Y N
QC Level: N 1 2 3 4
Sample Condition: CODD
Init Temp: 240C
AAI Lab Project # 15822

Samplers: (signature) Travis Shepard
Samplers: (printed) Travis Shepard

ANALYSIS
TCLP Metals
RCRA Metals
Pb/Cd
BTEX
Organochlorine
Pesticides
Pb/Cd
TPH/DRO

Remarks

Accura
Sample ID
No. AB

Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	Received By:	Date / Time	Special Requirements Or Remarks:
EB-L5	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EW-L5-b	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EW-L5-a	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EW-L4	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EB-K8	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EB-K7	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EB-K6	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EB-K5	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EB-K4	3/3/98						3	<u>Travis Shepard</u>	3/3/98	
EW-K4	3/3/98						3	<u>Travis Shepard</u>	3/3/98	

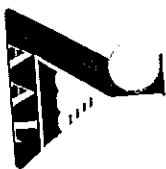
Relinquished By:

Date / Time

Received By:

Date / Time

Turnaround Time Requested:



ACCURA ANALYTICAL LABORATORY, INC.
Environmental Analytical Services

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Billing address:

Company Name: Greene Environmental Services, Inc.
Address: 4111 Hammett Rd. Suite B Tucker GA 30084
Report Sent to: (Client Contact): Greene's Inc. Travis Shepard
Contact Phone # (770) 257-4026 Fax # (770) 257-1608
Project Name: Heater AAF Fire Training Area
Project Number: HA2A21-97-C-0042

Client P.O. #

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Custody Seal: Y N

QC Level: N 1 2 3 4

Sample Condition: GOOD

Page 2 of 2
Init/Temp: 9/40C
AAL Lab Project # 15822

Sample ID #

Sample Date / Time

Comp Grab Matrix Preserved

Sample Location:

No. of Containers

Remarks

Accura Sample ID No. AB

EW-K4-X 3/3/98
V-TB 3/3/98

3
2

-Tip Blank
not present
upon arrival
opened in
area

38556
38557

Relinquished By:

Date / Time

Received By:

Date / Time

Special Requirements Or Remarks:

Turnaround Time Requested:

Relinquished By:

Date / Time

Received By:

Date / Time

Matrix (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Foods) (M = Miscellaneous)

CASE NARRATIVE for Project Number: 15822
Client Project: Hunter AAF Fire Training Area / DACA21-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A	EW-L5-B	EB-L5	EB-K8	EB-K4
	EW-L5-A	EB-K7	EB-K4	
	EW-L5-B	EB-K7	EB-K4	
PAH - SW-846-8270B	EW-L5-B	EB-L5	EB-K8	EB-K4
	EW-L5-A	EB-K6	EB-K4-X	
	EW-L4	EB-K5	EB-K4	
Diesel Range Organics (DRO) - SW-846-8015	EW-L4	EB-K5	EB-K4	
	EW-L5-A	EB-K6	EB-K4	
	EW-L5-B	EB-K7	EB-K4	

2. The detection limits of the following samples were elevated due to matrix interference:

Pest/PCB - SW-846-8081/2	EW-L5-B	EB-L5	EB-K8	EB-K4
	EW-L5-A	EB-K6	EB-K4	
	EW-L4	EB-K5	EB-K4	

3. One surrogate was outside the method specified limit for the following samples:

BTEX - SW-846-8260A	EW-L5	EB-L5-A	EB-K6	EW-L4	EB-K5
	EW-L5-B	EB-K7	EB-K4-X	EW-K4	
4-Bromofluorobenzene	EW-L5-B	EB-K7	EB-K4	EW-K4	
Pest/PCB - SW-846-8081/2	EW-L5-B	EB-K7	EB-K4	EW-K4-X	
Decachlorobiphenyl -	EW-L5-B	EB-K7	EB-K4	EW-K4-X	
PAH - SW-846-8270B	EW-L5-B	EB-K8	EB-K4		
Nitrobenzene -	EW-L5-B	EB-K8	EB-K4		

4. The surrogates for the following samples were diluted out, therefore no recoveries could be reported.

Diesel Range Organics (DRO) - SW-846-8015
EW-L4
EB-K8
EB-K4

PAH - SW-846-8270B
EW-L5-A
EB-K7

5. The hits in the following samples appear to be light hydrocarbons such as kerosene:

EB-L5
EW-L5-A
EB-K4
EB-L4
EW-L4
EB-K5

6. The DRO hit in sample EW-L5-B appears to be heavy hydrocarbons such as oil.

7. The DRO hits in the following samples appear to be a mixture of hydrocarbons that are heavier and lighter than diesel fuel:

EB-K8
EB-K7
EB-K6

Almushy
Quality Assurance

Shirley Moody
Client Services Representative

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 NC Certification # 483
 FL Certification # E87429

LABORATORY REPORT

Accura Project #: 15822

Accura Sample ID #: AB38546

Date Sampled: 3/3/98
 Date Received: 3/4/98
 Date Reported: 3/25/98
 Sample Matrix: SOILS

Client: Omega Env. Services - Tucker
 Client Contact: T. SHEPPARD
 Client Project Number: DACA21-97-C-0042
 Client Project Name: HUNTER AAF FIRE TRAINING AREA

Client Sample ID: EB-L5

ANALYSIS: BTEX			
Method Ref: 5030A/8260A	Result Units: ug/Kg	Date Extd/Dig/Prep: 3/11/98	Date Analyzed: 3/11/98
			Analyte Name
			Benzene
			Ethyl benzene
			Toluene
Method Ref: 5030A/8260A	Result Units: ug/Kg	Date Extd/Dig/Prep: 3/11/98	Xylenes
			Analytical Results
			1,200
			9,400
			<RDL
Method Ref: 5030A/8260A	Result Units: ug/Kg	Date Extd/Dig/Prep: 3/11/98	Reported Detection Limits
			250
			250
			250
			250

ANALYSIS: Diesel Range Organics (DRO)			
Method Ref: 3550A/8015	Result Units: mg/Kg	Date Extd/Dig/Prep: 3/19/98	Date Analyzed: 3/20/98
Reported Detection Limits		Analytical Results	Analyte Name
2000		12,000	Diesel Range Organics (DRO)

ANALYSIS: Metals - Mercury - RCRA			
Date Analyzed:		3/6/98	Date Ext/Dig/Prep: 3/6/98
Analyte Name	Mercury		
Analytical Results	<RDL		
Reported Detection Limits	0.5		
Method Ref: 7471A			

ANALYSIS: Metals - RCRA			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units:
Arsenic	3/9/98	3/6/98	mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
4,4'-DDD	15	2
4,4'-DDE	24	2
4,4'-DDT	<RDL	10
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	4
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

ANALYSIS: Pesticides
 Date Analyzed: 3/14/98
 Date Ext/Dig/Prep: 3/12/98
 Method Ref: 3550A/8081A
 Result Units: ug/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
PCB-1016	<RDL	40
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	40
PCB-1248	<RDL	40
PCB-1254	<RDL	40
PCB-1260	<RDL	40

ANALYSIS: PCB's
 Date Analyzed: 3/14/98
 Date Ext/Dig/Prep: 3/12/98
 Method Ref: 3550A/8082
 Result Units: ug/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
1-Methylnaphthalene	35,000	6600
2-Methylnaphthalene	47,000	6600
Acenaphthylene	<RDL	6600
Acenaphthene	<RDL	6600
Anthracene	<RDL	6600
Benzo(a)anthracene	<RDL	6600
Benzo(a)pyrene	<RDL	6600
Benzo(b)fluoranthene	<RDL	6600
Benzo(g,h,i)perylene	<RDL	6600
Benzo(k)fluoranthene	<RDL	6600
Chrysene	<RDL	6600
Dibenzo(a,h)anthracene	<RDL	6600
Fluoranthene	<RDL	6600
Fluorene	<RDL	6600
Indeno(1,2,3-cd)pyrene	36,000	6600
Naphthalene	<RDL	6600
Phenanthrene	<RDL	6600
Pyrene	<RDL	6600

ANALYSIS: PAH's
 Date Analyzed: 3/23/98
 Date Ext/Dig/Prep: 3/20/98
 Method Ref: 3550A/8270B
 Result Units: ug/Kg
 Reported Detection Limits

ANALYSIS: X PAH/BN QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units: %
2-Fluorobiphenyl	3/23/98	3/20/98	0
See narrative			
Method Ref: 3550A/8270B			
Reported Detection Limits			

ANALYSIS: X BRO QC Surrogates (Soil)			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units: %
o-Terphenyl	3/20/98	3/19/98	0
See narrative			
Method Ref: 3550A/8015			
Reported Detection Limits			

Analyte Name	Reg Limit	Result
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: TCLP Metals			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units: mg/L
Mercury (Reg Limit = 0.2)	3/11/98	3/10/98	0.1
Method Ref: 3010A/6010B			
Reported Detection Limits			

ANALYSIS: TCLP Mercury			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units: mg/L
Mercury (Reg Limit = 0.2)	3/6/98	3/6/98	0.1
Method Ref: 7470A			
Reported Detection Limits			

ANALYSIS: TCLP Extraction Procedure			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Result Units:
TCLP Extraction	3/5/98	3/5/98	0
Method Ref: 1311			
Reported Detection Limits			

Analyte Name	Reg Limit	Result
Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	4
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	10
Methoxychlor	<RDL	40
Total Chlordane (Technical)	<RDL	60
Toxaphene	<RDL	2

Accura Analytical Laboratory, Inc.

Nitrobenzene-d5	See narrative	0
p-Terphenyl-d14	See narrative	0
ANALYSIS: X Pest/PCB QC Surrogates (Soils)		
Date Analyzed:	3/14/98	
Date Ext/Dig/Prep:	3/12/98	
Method Ref:	3550A/8081/2	
Analyte Name	Analytical Results	Reported Detection Limits
Decachlorobiphenyl	51	0
Tetrachloro-m-xylene	77	0
ANALYSIS: X VOC QC Surrogates (Waters)		
Date Analyzed:	3/11/98	
Date Ext/Dig/Prep:	3/11/98	
Method Ref:	5030A/8260A	
Analyte Name	Analytical Results	Reported Detection Limits
1,2-Dichloroethane-d4	106	0
4-Bromofluorobenzene	200	0
Toluene-d8	111	0

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LABORATORY REPORT

Accura Project #: 15822

Accura Sample ID #: AB38547

Client: Omega Env. Services - Tucker
 Client Contact: T. SHEPPARD
 Client Project Number: DACA21-97-C-0042
 Client Project Name: HUNTER AAF FIRE TRAINING AREA
 Sample Matrix: SOILS

Client Sample ID: EW-L5-B

ACCURA ANALYTICAL LABORATORY, INC.
 Client Sample ID: EW-L5-B
 AAL Sample ID #: AB38547 Accura Project #: 15822
 Pg 5 of 48

ANALYSIS: BTEX			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units:
Benzene	3/11/98	3/11/98	ug/Kg
Ethyl benzene			
Toluene			
Xylenes			
ANALYSIS: Diesel Range Organics (DRO)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units:
Diesel Range Organics (DRO)	3/20/98	3/19/98	mg/Kg
ANALYSIS: Metals - Mercury - RCRA			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units:
Mercury	3/6/98	3/6/98	mg/Kg
ANALYSIS: Metals - RCRA			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units:
Arsenic	3/9/98	3/9/98	mg/Kg
Barium			
Cadmium			
Chromium			
Lead			
Selenium			
Silver			

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98 Date Ext/Dig/Prep: 3/20/98 Result Units: ug/Kg

Reported Detection Limits Analytical Results

1-Methylnaphthalene	<RDL	3300
2-Methylnaphthalene	<RDL	3300
Acenaphthylene	<RDL	3300
Acenaphthene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	<RDL	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: ug/Kg

Reported Detection Limits Analytical Results

PCB-1016	<RDL	40
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	40
PCB-1248	<RDL	40
PCB-1254	<RDL	40
PCB-1260	<RDL	40

Analyte Name

4,4'-DDT	<RDL	2
4,4'-DDE	<RDL	4
4,4'-DDE	<RDL	40
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

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<RDL = Less than Reported Detection Limit

ANALYSIS: X PAH/BN OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
2-Fluorobiphenyl	3/23/98	3/20/98	54
			0
Method Ref: 3550A/8270B			
Reported Detection Limits			

ANALYSIS: X BRO OC Surrogates (Soil)			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
o-Terphenyl	3/20/98	3/19/98	98
			0
Method Ref: 3550A/8015			
Reported Detection Limits			

ANALYSIS: TCLP Metals			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: mg/L
Arsenic (Reg Limit = 5.0)	3/11/98	3/10/98	<RDL
Barium (Reg Limit = 100.0)			<RDL
Cadmium (Reg Limit = 1.0)			<RDL
Chromium (Reg Limit = 5.0)			<RDL
Lead (Reg Limit = 5.0)			<RDL
Selenium (Reg Limit = 1.0)			<RDL
Silver (Reg Limit = 5.0)			<RDL
			1
			1
			1
			1
			1
			1
			1
Method Ref: 3010A/6010B			
Reported Detection Limits			

ANALYSIS: TCLP Mercury			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: mg/L
Mercury (Reg Limit = 0.2)	3/6/98	3/6/98	<RDL
			0.1
Method Ref: 7470A			
Reported Detection Limits			

ANALYSIS: TCLP Extraction Procedure			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
TCLP Extraction	3/5/98	3/5/98	NA
			0
Method Ref: 1311			
Reported Detection Limits			

ANALYSIS: TCLP Extraction Procedure			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
Dieldrin	3/5/98	3/5/98	10
Endosulfan sulfate			<RDL
Endrin			<RDL
Endrin aldehyde			<RDL
gamma-BHC			<RDL
Heptachlor			<RDL
Heptachlor epoxide			<RDL
Methoxychlor			<RDL
Total Chlordane (Technical)			<RDL
Toxaphene			<RDL
			60
			20
			200
			2
			20
			2
			4
			4
			4
			4
			2

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ANALYSIS: X VOC OC Surrogates (Waters)			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
1,2-Dichloroethane-d4	3/11/98	3/11/98	100
4-Bromofluorobenzene			108
Toluene-d8			99
			0
			0
			0
ANALYSIS: X Pest/PCB OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
Decachlorobiphenyl	3/14/98	3/12/98	163
Tetrachloro-m-xylene			94
			0
			0
ANALYSIS: X Pest/PCB OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Extd/Dig/Prep:	Result Units: %
Nitrobenzene-d5			18
p-Terphenyl-d14			62
			0
			0

Method Ref: 5030A/8260A

Method Ref: 3550A/8081/2

Analytical Results
 Reported Detection Limits

Analytical Results
 Reported Detection Limits

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LABORATORY REPORT

Accura Project #: 15822

Accura Sample ID #: AB38548

Date Sampled: 3/3/98
 Date Received: 3/4/98
 Date Reported: 3/25/98
 Sample Matrix: SOILS

Client: Omega Env. Services - Tucker
 Client Contact: T. SHEPPARD
 Client Project Number: DACA21-97-C-0042
 Client Project Name: HUNTER AAF FIRE TRAINING AREA

Client Sample ID: EW-L5-A

ANALYSIS: BTEX
 Date Analyzed: 3/11/98
 Date Ext/Dig/Prep: 3/11/98
 Result Units: ug/Kg
 Method Ref: 5030A/8260A

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	450	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)
 Date Analyzed: 3/20/98
 Date Ext/Dig/Prep: 3/19/98
 Result Units: mg/Kg
 Method Ref: 3550A/8015
 Diesel Range Organics (DRO)

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA
 Date Analyzed: 3/9/98
 Date Ext/Dig/Prep: 3/6/98
 Result Units: mg/Kg
 Method Ref: 3050B/6010B

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	12	0.5
Cadmium	<RDL	5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98 Result Units: ug/Kg

Analytical Results Reported Detection Limits

1-Methylnaphthalene	15,000	<RDL	6600
2-Methylnaphthalene	<RDL	<RDL	6600
Acenaphthylene	<RDL	<RDL	6600
Acenaphthene	<RDL	<RDL	6600
Anthracene	<RDL	<RDL	6600
Benzo(a)anthracene	<RDL	<RDL	6600
Benzo(a)pyrene	<RDL	<RDL	6600
Benzo(b)fluoranthene	<RDL	<RDL	6600
Benzo(g,h,i)perylene	<RDL	<RDL	6600
Benzo(k)fluoranthene	<RDL	<RDL	6600
Chrysene	<RDL	<RDL	6600
Dibenzo(a,h)anthracene	<RDL	<RDL	6600
Fluoranthene	<RDL	<RDL	6600
Fluorene	<RDL	<RDL	6600
Indeno(1,2,3-cd)pyrene	<RDL	<RDL	6600
Naphthalene	<RDL	<RDL	6600
Phenanthrene	<RDL	<RDL	6600
Pyrene	<RDL	<RDL	6600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: ug/Kg

Analytical Results Reported Detection Limits

PCB-1016	<RDL	40
PCB-1221	<RDL	80
PCB-1232	<RDL	40
PCB-1242	<RDL	40
PCB-1248	<RDL	40
PCB-1254	<RDL	40
PCB-1260	<RDL	40

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: ug/Kg

Analytical Results Reported Detection Limits

4,4'-DDD	6.2	2
4,4'-DDE	9.5	2
4,4'-DDT	<RDL	20
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

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<RDL = Less than Reported Detection Limit

ANALYSIS: X PAH/BN OC Surrogates (Soils)
 Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98
 Analyte Name: 2-Fluorobiphenyl
 Analytical Results: See narrative
 Reported Detection Limits: 0
 Method Ref: 3550A/8270B
 Result Units: %

ANALYSIS: X DRO OC Surrogates (Soil)
 Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98
 Analyte Name: o-Terphenyl
 Analytical Results: See narrative
 Reported Detection Limits: 0
 Method Ref: 3550A/8015
 Result Units: %

ANALYSIS: TCLP Metals
 Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98
 Analyte Name: Arsenic (Reg Limit = 5.0)
 Lead (Reg Limit = 5.0)
 Chromium (Reg Limit = 5.0)
 Cadmium (Reg Limit = 1.0)
 Barium (Reg Limit = 100.0)
 Analytical Results: <RDL
 Reported Detection Limits: 1
 Method Ref: 3010A/6010B
 Result Units: mg/L

ANALYSIS: TCLP Mercury
 Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98
 Analyte Name: Mercury (Reg Limit = 0.2)
 Analytical Results: <RDL
 Reported Detection Limits: 0.1
 Method Ref: 7470A
 Result Units: mg/L

ANALYSIS: TCLP Extraction Procedure
 Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98
 Analyte Name: TCLP Extraction
 Analytical Results: NA
 Reported Detection Limits: 0
 Method Ref: 1311
 Result Units:

Dieldrin
 Endosulfan sulfate
 Endrin
 Endrin aldehyde
 gamma-BHC
 Heptachlor
 Heptachlor epoxide
 Methoxychlor
 Total Chlordane (Technical)
 Toxaphene
 Analytical Results: <RDL
 Reported Detection Limits: 2
 4
 2
 4
 4
 20
 2
 100
 20
 40

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Asmetin

ANALYSIS: X VOC OC Surrogates (Waters)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
Decachlorobiphenyl	3/14/98	3/12/98	62
Tetrachloro-m-xylene			97
Method Ref: 3550A/8081/2			
ANALYSIS: X Pest/PCB QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
1,2-Dichloroethane-d4	3/11/98	3/11/98	109
4-Bromofluorobenzene			165
Toluene-d8			108
Method Ref: 5030A/8260A			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
Decachlorobiphenyl	3/14/98	3/12/98	62
Tetrachloro-m-xylene			97
Method Ref: 3550A/8081/2			
ANALYSIS: X Pest/PCB QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
1,2-Dichloroethane-d4	3/11/98	3/11/98	109
4-Bromofluorobenzene			165
Toluene-d8			108
Method Ref: 5030A/8260A			
ANALYSIS: X VOC OC Surrogates (Waters)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
Decachlorobiphenyl	3/14/98	3/12/98	62
Tetrachloro-m-xylene			97
Method Ref: 3550A/8081/2			
ANALYSIS: X Pest/PCB QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Result Units: %
1,2-Dichloroethane-d4	3/11/98	3/11/98	109
4-Bromofluorobenzene			165
Toluene-d8			108
Method Ref: 5030A/8260A			

See narrative
 See narrative

ACCURA ANALYTICAL LABORATORY, INC.

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LABORATORY REPORT

Accura Sample ID #: AB38549
 Accura Project #: 15822

Client: Omega Env. Services - Tucker
 Client Contact: T. SHEPPARD
 Client Project Number: DACA21-97-C-0042
 Client Project Name: HUNTER AAF FIRE TRAINING AREA
 Client Sample ID: FW-L4
 Date Sampled: 3/3/98
 Date Received: 3/4/98
 Date Reported: 3/25/98
 Sample Matrix: SOILS

ANALYSIS: BTEX			
Method Ref: 5030A/8260A	Date Analyzed:	3/11/98	Date Ext/Dig/Prep: 3/11/98
	Result Units: ug/Kg		
	Analytical Results		
	Reported Detection Limits		
	Analyte Name		
	Benzene	<RDL	250
	Ethyl benzene	<RDL	250
	Toluene	<RDL	250
	Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)			
Date Analyzed:	3/20/98	Date Ex/Dig/Prep:	3/19/98
Analyte Name	Analytical Results		
Diesel Range Organics (DRO)	11,000		
	2000		
	Reported Detection Limits		
Method Ref: 3550A/8015	Result Units: mg/Kg		

ANALYSIS: Metals - Mercury - RCRA			
Date Analyzed:	3/6/98	Date Ex/Dig/Prep:	3/6/98
Analyte Name	Analytical Results		
Mercury	<RDL		
Reported Detection Limits		0.5	
Method Ref: 7471A			
Result Units: mg/Kg			

<u>ANALYSIS: Metals - RCRA</u>			
Date Analyzed:		3/9/98	Date Ex/Dig/Prep: 3/6/98
Result Units:		mg/Kg	
Method Ref: 3050B/6010B			

4,4'-DDP	12	2
4,4'-DDE	12	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	4
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

ANALYSIS: Pesticides

PCB-1016	<RDL	40
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	40
PCB-1248	<RDL	40
PCB-1254	<RDL	40
PCB-1260	<RDL	40
<hr/>		
ANALYSIS: Pesticides		
Method Ref: 3550A/8081A		
Result Units: ug/Kg		
Date Analyzed: 3/14/98		
Date Ex/Dig/Prep: 3/12/98		

ANALYSIS: PCB's

ANALYSIS: PCB's		Date Analyzed: 3/14/98	Date Ex/Dig/Prep: 3/12/98	Result Units: ug/Kg
Method Ref: 3550A/8082				
1-Methylnaphthalene	8,200	<RDL		3300
2-Methylnaphthalene	<RDL			3300
Acenaphthene	<RDL			3300
Acenaphthylene	<RDL			3300
Anthracene	<RDL			3300
Benzo(a)anthracene	<RDL			3300
Benzo(a)pyrene	<RDL			3300
Benzo(b)fluoranthene	<RDL			3300
Benzo(g,h,i)perylene	<RDL			3300
Benzo(k)fluoranthene	<RDL			3300
Chrysene	<RDL			3300
Dibenzo(a,h)anthracene	<RDL			3300
Fluoranthene	<RDL			3300
Fluorene	<RDL			3300
Indeno(1,2,3-cd)pyrene	<RDL			3300
Naphthalene	<RDL			3300
Phenanthrene	<RDL			3300
Pyrene	<RDL			3300

ANALYSIS: PAH'S

ANALYSIS: PAH's	Date Analyzed: 3/22/98	Date Ext/Dlg/Prep: 3/20/98	Result Units: ug/kg
Method Ref: 3550A/8270B			

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0

Nitrobenzene-d5
p-Terphenyl-d14

119
70

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl

52

0

Tetrachloro-m-xylene

94

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4

111

0

4-Bromofluorobenzene

215

0

Toluene-d8

116

0



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38550

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K8

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,400	250
Ethyl benzene	12,000	500
Toluene	<RDL	250
Xylenes	44,000	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,800	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	6,900	3300
2-Methylnaphthalene	5,400	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	<RDL	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	80
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	4
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	85	0

Nitrobenzene-d5	128	0
p-Terphenyl-d14	77	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

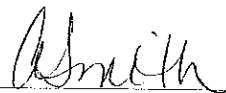
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	49	0
Tetrachloro-m-xylene	88	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	117	0
4-Bromofluorobenzene	141	0
Toluene-d8	100	0



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LABORATORY REPORT

Accura Sample ID #: AB38551

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K7

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	6,900	250
Ethyl benzene	47,000	2500
Toluene	32,000	2500
Xylenes	230,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	8,000	2000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	18	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	7.8	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	20,000	6600
2-Methylnaphthalene	26,000	6600
Acenaphthene	<RDL	6600
Acenaphthylene	<RDL	6600
Anthracene	<RDL	6600
Benzo(a)anthracene	<RDL	6600
Benzo(a)pyrene	<RDL	6600
Benzo(b)fluoranthene	<RDL	6600
Benzo(g,h,i)perylene	<RDL	6600
Benzo(k)fluoranthene	<RDL	6600
Chrysene	<RDL	6600
Dibenzo(a,h)anthracene	<RDL	6600
Fluoranthene	<RDL	6600
Fluorene	<RDL	6600
Indeno(1,2,3-cd)pyrene	<RDL	6600
Naphthalene	8,200	6600
Phenanthrene	<RDL	6600
Pyrene	<RDL	6600

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	60
PCB-1221	<RDL	120
PCB-1232	<RDL	120
PCB-1242	<RDL	60
PCB-1248	<RDL	60
PCB-1254	<RDL	60
PCB-1260	<RDL	60

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	40
Toxaphene	<RDL	60

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	See narrative	0

Nitrobenzene-d5
p-Terphenyl-d14

See narrative 0
See narrative 0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

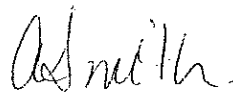
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	27	0
Tetrachloro-m-xylene	98	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	119	0
4-Bromofluorobenzene	159	0
Toluene-d8	101	0



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LABORATORY REPORT

Accura Sample ID #: AB38552

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K6

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,300	250
Ethyl benzene	13,000	250
Toluene	370	250
Xylenes	13,000	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,100	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	14	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	10,000	3300
2-Methylnaphthalene	<RDL	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	<RDL	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	80
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/22/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	82	0

Nitrobenzene-d5	95	0
p-Terphenyl-d14	78	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

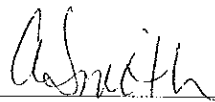
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	49	0
Tetrachloro-m-xylene	88	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	112	0
4-Bromofluorobenzene	138	0
Toluene-d8	91	0



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SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38553

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K5

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,400	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	11	5
Cadmium	<RDL	0.5
Chromium	5.8	5
Lead	11	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	3300
2-Methylnaphthalene	<RDL	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	11,000	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	8.5	2
4,4'-DDE	19	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	87	0

Nitrobenzene-d5	114	0
p-Terphenyl-d14	83	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

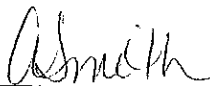
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	51	0
Tetrachloro-m-xylene	103	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	106	0
4-Bromofluorobenzene	210	0
Toluene-d8	103	0



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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38554

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/16/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	930	500
Ethyl benzene	13,000	500
Toluene	<RDL	500
Xylenes	<RDL	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	3,700	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	15	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	49	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	26,000	3300
2-Methylnaphthalene	22,000	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	11,000	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	80
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	4
4,4'-DDE	4.5	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	88	0

Nitrobenzene-d5
p-Terphenyl-d14

0
76

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

49
109

0
0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/16/98

Date Ext/Dig/Prep: 3/16/98

Result Units: %

Analyte Name

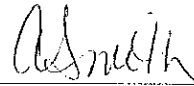
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

87
140
99

0
0
0



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SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38555

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-K4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/16/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	<RDL	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	290	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	8.1	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	3300
2-Methylnaphthalene	<RDL	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	<RDL	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	40
PCB-1221	<RDL	80
PCB-1232	<RDL	80
PCB-1242	<RDL	40
PCB-1248	<RDL	40
PCB-1254	<RDL	40
PCB-1260	<RDL	40

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	3.5	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	40

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/20/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	68	0

Nitrobenzene-d5
p-Terphenyl-d14

34
68

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

32
99

0
0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/16/98

Date Ext/Dig/Prep: 3/16/98

Result Units: %

Analyte Name

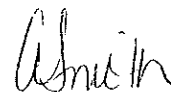
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

94
142
89

0
0
0



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38556

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-K4-X

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/17/98

Date Ext/Dig/Prep: 3/17/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	<RDL	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/19/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	69	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	15	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	53	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	3300
2-Methylnaphthalene	<RDL	3300
Acenaphthene	<RDL	3300
Acenaphthylene	<RDL	3300
Anthracene	<RDL	3300
Benzo(a)anthracene	<RDL	3300
Benzo(a)pyrene	<RDL	3300
Benzo(b)fluoranthene	<RDL	3300
Benzo(g,h,i)perylene	<RDL	3300
Benzo(k)fluoranthene	<RDL	3300
Chrysene	<RDL	3300
Dibenzo(a,h)anthracene	<RDL	3300
Fluoranthene	<RDL	3300
Fluorene	<RDL	3300
Indeno(1,2,3-cd)pyrene	<RDL	3300
Naphthalene	<RDL	3300
Phenanthrene	<RDL	3300
Pyrene	<RDL	3300

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	4.2	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	20
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	100
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/19/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	90	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/23/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0

Nitrobenzene-d5
p-Terphenyl-d14

59
61

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl

39

0

Tetrachloro-m-xylene

100

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/17/98

Date Ext/Dig/Prep: 3/17/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4

103

0

4-Bromofluorobenzene

136

0

Toluene-d8

109

0



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6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38558

Accura Project #: 15822

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/25/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/19/98

Date Ext/Dig/Prep: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/21/98

Date Ext/Dig/Prep: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/19/98 Date Ext/Dig/Prep: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	92	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/21/98 Date Ext/Dig/Prep: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	64	0

Nitrobenzene-d5
p-Terphenyl-d14

57
74

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

95
101

0
0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: %

Analyte Name

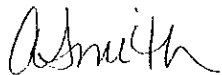
Analytical Results

Reported Detection Limits

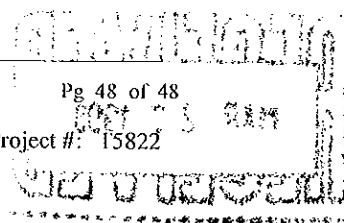
1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

90
110
102

0
0
0



Accura Analytical Laboratory, Inc.



CHAIN OF CUSTODY

Company Name: Mean Environmental Services, Inc.

Address: 4661 University Blvd. ^{2nd} Floor Apt 300 QW Client P.O. #

Report Sent to: (Client Contact): Concise Inc / Tivis Summit

Contact Phone # (012) 757-1602 Fax # (012) 757-1602

Project Name: Hunder AAF Fire Training Area

Project Number: DEA 21-99-C-0042

Billing address:

Client P.O. #

Report Sent to: (Client Contact): Concise Inc / Tivis Summit

Contact Phone # (012) 757-1602 Fax # (012) 757-1602

Project Name: Hunder AAF Fire Training Area

Project Number: DEA 21-99-C-0042

Samplers: (signature)	Samplers: (printed)
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1/11/19

[illegible]

Sample	ab	matrix	escr	No. of
1				2
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96				97
97				98
98				99
99				100

Sample no. n	Date, time	GN	MD	Comments
1	1/1			
2	1/1			

FB-J8	3/3/98	2
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EB-J	3/3/98	3
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FR-TL 2/2/00 3

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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7	86/67	LD 00
7	7/2/98	07
7	1/1/98	07

[illegible]

EW-J4	3/2/92	3
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FD-70	7/13/1961	2
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[illegible]

LB	5	1	8/3/18
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EB-16	3/2/94	3
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11/10

Reinquinshed By:	Date / Time	Received By:
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3/3/98

Relinquished By: <i>[Signature]</i>	Date / Time	Received By:
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Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Foods) (M = Miscellaneous)

COC97-2.XLS

CASE NARRATIVE for Project Number: 15823
Client Project: Hunter AAF Fire Training Area / DACAZ1-97-C-0042

The following items were noted concerning this project:

1. The following samples required dilution due to high analyte concentration and/or matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A	EB-J8	EB-J7	EB-J6
PAH - SW-846-8270B	EB-J7	EB-J6	EB-J4

DRQ - SW-846-8015	EB-J8	EB-J7	EB-J6
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2. The following surrogate recoveries were outside the method specified limits due to matrix interference:

BTEX - SW-846-8260A	EB-J7	EB-J6	EB-J4	EW-J4
4-Bromofluorobenzene-	EB-H4	EB-J4	EB-H4	EB-J4
Toluene-d8	EB-J5	EW-J4	EB-H4	EB-J4
1,2-Dichloroethane-d4	EB-H4			

3. One surrogate recovery was outside the method specified limits for following samples:

PAH - SW-846-8270B	EB-J6	EB-J5	EB-J4
Nitrobenzene-d5-			

The remaining surrogates were within acceptable limits; therefore the data satisfies the method requirements.

4. The surrogates were diluted out for the following samples; therefore no recoveries could be reported:

DRQ - SW-846-8015	EB-J8	EB-J7	EB-J6
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5. The detection limits for the following samples were elevated due to matrix interference:

PEST/PCB - SW-846-8081 & 8082

EB-J8 EB-J7 EB-J6 EB-J4

6. The response of one or more internal standards was outside the method specified limit for the following samples due to matrix interference:

BTEX - SW-846-8260A
1,2-Dichlorobenzene-d4-

EB-J5 EB-J4 EB-J4 EW-J4 EB-J4

The results for these samples should not be affected.

7. The DRO hit in the following sample appears to be a light hydrocarbon such as a kerosene:

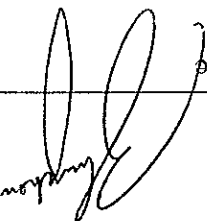
EB-J7

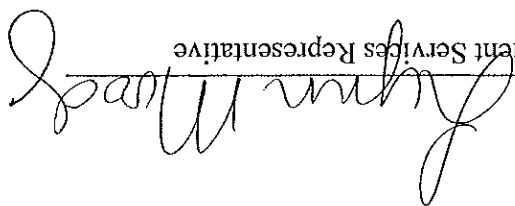
8. The DRO hits in the following samples appear to be a mixture of a light hydrocarbon such as a kerosene and a heavy hydrocarbon such as an oil:

EB-J8 EB-J6 EB-J5 EW-J4 EB-H4

9. The DRO hit in the following sample appears to be a heavy hydrocarbon such as an oil:

EB-J4

Quality Assurance


Client Services Representative


LABORATORY REPORT

Acura Sample ID #: AB38560

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-J8

EB-18

[illegible]

ANALYSIS: Diesel Range Organics (DRO)

Analyte Name		Analytical Results		Reported Detection Limits	
Date Analyzed:	3/14/98	Date Ext/Dig/Prep:	3/12/98	Result Units:	mg/Kg
Diesel Range Organics (DRO)		1,600		500	

ANALYSIS: Metals - Mercury - RCRA

Analyte Name		Analytical Results		Reported Detection Limits	
Date Analyzed:	3/6/98	Date Ext/Dig/Prep:	3/6/98	Result Units:	mg/Kg
Mercury		<RDL			0.5

ANALYSIS: Metals - RCRA

Date Analyzed:	3/9/98	Date Ext/Dig/Prep:	3/6/98	Result Units:	mg/Kg
Analyte Name	Analytical Results				
Arsenic	<RDL				
	Reported Detection Limits				
	5				

5	<RDL	Arsenic
5	21	Barium
5	<RDL	Cadmium
0.5	<RDL	Chromium
5	<RDL	Lead
5	<RDL	Selenium
5	<RDL	Silver

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<RDL = Less than Reported Detection Limit

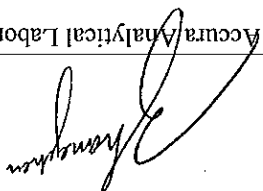
pg 1 of 40

Client Sample ID: EB-J8

AALSample ID #: AB38560 Accura Project #: 15823

ANALYSIS: TCLP Extraction Procedure			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Method Ref: 1311
Dieldrin	3/5/98	3/5/98	2
Endosulfan sulfate			2
Endrin			2
Endrin aldehyde			2
gamma-BHC			2
Heptachlor			2
Heptachlor epoxide			2
Methoxychlor			10
Total Chlorthane (Technical)			20
Toxaphene			20
ANALYSIS: TCLP Mercury			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Method Ref: 7470A
Mercury (Reg Limit = 0.2)	3/6/98	3/6/98	0.1
ANALYSIS: TCLP Metals			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Method Ref: 3010A/6010B
Arsenic (Reg Limit = 5.0)	3/10/98	3/10/98	1
Barium (Reg Limit = 100.0)			1
Cadmium (Reg Limit = 1.0)			1
Chromium (Reg Limit = 5.0)			1
Lead (Reg Limit = 5.0)			1
Selenium (Reg Limit = 1.0)			1
Silver (Reg Limit = 5.0)			1
ANALYSIS: X DRQ QC Surrogates (Soil)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Method Ref: 3550A/8015
o-Terphenyl	3/14/98	3/12/98	0
ANALYSIS: X PAH/BN QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ex/Dig/Prep:	Method Ref: 3550A/8270B
2-Fluorobiphenyl	3/18/98	3/16/98	0

ANALYSIS: X Pest/PCB OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	3/7/98	Date Ext/Dig/Prep: 3/5/98
			Result Units: %
Method Ref: 3550A/8081/2			
Nitrobenzene-d5		64	0
p-Terphenyl-d14		63	0
ANALYSIS: X VOC OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	3/6/98	Date Ext/Dig/Prep: 3/6/98
			Result Units: %
Method Ref: 8260A			
Decachlorobiphenyl		69	0
Tetrachloro-m-xylene		77	0
ANALYSIS: X VOC OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	3/6/98	Date Ext/Dig/Prep: 3/6/98
			Result Units: %
Method Ref: 8260A			
1,2-Dichloroethane-d4		81	0
4-Bromofluorobenzene		115	0
Toluene-d8		112	0



Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477
 FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38561

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-J7

ANALYSIS: BTEX

Method Ref: 5030A/8260A
 Date Analyzed: 3/9/98
 Date Ext/Dig/Prep: 3/9/98
 Result Units: ug/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	3,400	1300
Ethyl benzene	26,000	1300
Toluene	<RDL	1300
Xylenes	1,400	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015
 Date Analyzed: 3/15/98
 Date Ext/Dig/Prep: 3/12/98
 Result Units: mg/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	4,400	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A
 Date Analyzed: 3/6/98
 Date Ext/Dig/Prep: 3/6/98
 Result Units: mg/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B
 Date Analyzed: 3/9/98
 Date Ext/Dig/Prep: 3/6/98
 Result Units: mg/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	13	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	6.4	5
Selenium	<RDL	5
Silver	<RDL	5

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<RDL = Less than Reported Detection Limit

ANALYSIS: PAH's		Method Ref: 3550A/8270B	Date Analyzed: 3/18/98		Date Extdig/Prep: 3/16/98	Result Units: ug/Kg	Reported Detection Limits	
Analyte Name	Analytical Results							
1-Methylnaphthalene	9,500							
2-Methylnaphthalene	8,100							
Acenaphthene	<RDL							
Acenaphthylene	<RDL							
Anthracene	<RDL							
Benzo(a)anthracene	<RDL							
Benzo(a)pyrene	<RDL							
Benzo(b)fluoranthene	<RDL							
Benzo(g,h,i)perylene	<RDL							
Benzo(k)fluoranthene	<RDL							
Chrysene	<RDL							
Dibenzo(a,h)anthracene	<RDL							
Fluoranthene	<RDL							
Fluorene	<RDL							
Indeno(1,2,3-cd)pyrene	<RDL							
Naphthalene	<RDL							
Phenanthrene	<RDL							
Pyrene	<RDL							
ANALYSIS: PCB's		Method Ref: 3550A/8082	Date Analyzed: 3/7/98		Date Extdig/Prep: 3/5/98	Result Units: ug/Kg	Reported Detection Limits	
Analyte Name	Analytical Results							
PCB-1016	<RDL							
PCB-1221	<RDL							
PCB-1232	<RDL							
PCB-1242	<RDL							
PCB-1248	<RDL							
PCB-1254	<RDL							
PCB-1260	<RDL							
ANALYSIS: Pesticides		Method Ref: 3550A/8081A	Date Analyzed: 3/7/98		Date Extdig/Prep: 3/5/98	Result Units: ug/Kg	Reported Detection Limits	
Analyte Name	Analytical Results							
4,4'-DDD	<RDL							
4,4'-DDE	<RDL							
4,4'-DDT	<RDL							
Aldrin	<RDL							
alpha-BHC	<RDL							
alpha-Endosulfan	<RDL							
beta-BHC	<RDL							
beta-Endosulfan	<RDL							
delta-BHC	<RDL							

ANALYSIS: TCLP Extraction Procedure			
Analyte Name	Date Analyzed:	3/5/98	Date Ext/Dig/Prep: 3/5/98
Method Ref: 1311			
Endrin	<RDL	2	2
Endosulfan sulfate	<RDL	2	2
gamma-BHC	<RDL	2	2
Heptachlor	<RDL	2	2
Heptachlor epoxide	<RDL	2	2
Methoxychlor	<RDL	10	20
Total Chlordane (Technical)	<RDL	20	20
Toxaphene	<RDL	20	20
ANALYSIS: TCLP Mercury			
Analyte Name	Date Analyzed:	3/6/98	Date Ext/Dig/Prep: 3/6/98
Method Ref: 7470A			
Mercury (Reg Limit = 0.2)	<RDL	0.1	
ANALYSIS: TCLP Metals			
Analyte Name	Date Analyzed:	3/10/98	Date Ext/Dig/Prep: 3/10/98
Method Ref: 3010A/6010B			
Barium (Reg Limit = 100.0)	<RDL	1	1
Cadmium (Reg Limit = 1.0)	<RDL	1	1
Chromium (Reg Limit = 5.0)	<RDL	1	1
Lead (Reg Limit = 5.0)	<RDL	1	1
Selenium (Reg Limit = 1.0)	<RDL	1	1
Silver (Reg Limit = 5.0)	<RDL	1	1
ANALYSIS: X BRO QC Surrogates (Soil)			
Analyte Name	Date Analyzed:	3/15/98	Date Ext/Dig/Prep: 3/12/98
Method Ref: 3550A/8015			
o-Terphenyl	See narrative	0	
ANALYSIS: X PAH/BN QC Surrogates (Soils)			
Analyte Name	Date Analyzed:	3/18/98	Date Ext/Dig/Prep: 3/16/98
Method Ref: 3550A/8270B			
2-Fluorobiphenyl			74

ANALYSIS: X Pest/PCB OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Method Ref: 3550A/8081/2
Nitrobenzene-d5	3/7/98	3/5/98	
p-Terphenyl-d14			
89			
70			
0			
0			
ANALYSIS: X VOC OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Method Ref: 8260A
Decachlorobiphenyl	3/9/98	3/9/98	
Tetrachloro-m-xylene			
46			
68			
0			
0			
ANALYSIS: X VOC OC Surrogates (Soils)			
Analyte Name	Date Analyzed:	Date Ext/Dig/Prep:	Method Ref: 8260A
1,2-Dichloroethane-d4	3/9/98	3/9/98	
4-Bromofluorobenzene			
99			
123			
108			
0			
0			
0			

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LABORATORY REPORT

Accura Sample ID #: AB38562 Accura Project #: 15823

Client: Omega Env. Services - Tucker Date Sampled: 3/3/98

Client Contact: T. SHEPPARD Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042 Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA Sample Matrix: SOIL

Client Sample ID: EB-J6

ANALYSIS: BTEX

Date Analyzed: 3/9/98 Date Extd/Dig/Prep: 3/9/98 Result Units: ug/Kg Method Ref: 5030A/8260A

Analyte Name Analytical Results Reported Detection Limits

Benzene 3,900 1300

Ethyl benzene 32,000 1300

Toluene <RDL 1300

Xylenes 28,000 1300

ANALYSIS: Diesel Range Organics (DRO)

Date Analyzed: 3/15/98 Date Extd/Dig/Prep: 3/12/98 Result Units: mg/Kg Method Ref: 3550A/8015

Analyte Name Analytical Results Reported Detection Limits

Diesel Range Organics (DRO) 7,200 1000

ANALYSIS: Metals - Mercury - RCRA

Date Analyzed: 3/6/98 Date Extd/Dig/Prep: 3/6/98 Result Units: mg/Kg Method Ref: 7471A

Analyte Name Analytical Results Reported Detection Limits

Mercury <RDL 0.5

ANALYSIS: Metals - RCRA

Date Analyzed: 3/9/98 Date Extd/Dig/Prep: 3/6/98 Result Units: mg/Kg Method Ref: 3050B/6010B

Analyte Name Analytical Results Reported Detection Limits

Arsenic <RDL 5

Barium 13 5

Cadmium <RDL 0.5

Chromium <RDL 5

Lead 6.3 5

Selenium <RDL 5

Silver <RDL 5

ANALYSIS: PAH's				ANALYSIS: PCB's				ANALYSIS: Pesticides			
Method Ref: 3550A/8270B				Method Ref: 3550A/8082				Method Ref: 3550A/8081A			
Date Analyzed:	3/18/98	Date Ext/Dig/Prep:	3/16/98	Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/5/98	Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/5/98
Result Units: ug/Kg				Result Units: ug/Kg				Result Units: ug/Kg			
Reported Detection Limits				Reported Detection Limits				Reported Detection Limits			
Analyte Name	Analytical Results			Analyte Name	Analytical Results			Analyte Name	Analytical Results		
1-Methylnaphthalene	25,000	<RDL	3300	1-Methylnaphthalene	27,000	<RDL	3300	4,4'-DDD	<RDL	2	2
2-Methylnaphthalene	3300	<RDL	3300	2-Methylnaphthalene	3300	<RDL	3300	4,4'-DDE	<RDL	2	2
Acenaphthene	3300	<RDL	3300	Acenaphthene	3300	<RDL	3300	4,4'-DDT	<RDL	6	2
Acenaphthylene	3300	<RDL	3300	Acenaphthylene	3300	<RDL	3300	Aldrin	<RDL	2	2
Anthracene	3300	<RDL	3300	Anthracene	3300	<RDL	3300	alpha-BHC	<RDL	2	2
Benzo(a)anthracene	3300	<RDL	3300	Benzo(a)anthracene	3300	<RDL	3300	alpha-BHC	<RDL	2	2
Benzo(a)pyrene	3300	<RDL	3300	Benzo(a)pyrene	3300	<RDL	3300	beta-BHC	<RDL	4	2
Benzo(b)fluoranthene	3300	<RDL	3300	Benzo(b)fluoranthene	3300	<RDL	3300	beta-Endosulfan	<RDL	2	2
Benzo(g,h,i)perylene	3300	<RDL	3300	Benzo(g,h,i)perylene	3300	<RDL	3300	delta-BHC	<RDL	2	2
Benzo(k)fluoranthene	3300	<RDL	3300	Benzo(k)fluoranthene	3300	<RDL	3300				
Chrysene	3300	<RDL	3300	Chrysene	3300	<RDL	3300				
Dibenzo(a,h)anthracene	3300	<RDL	3300	Dibenzo(a,h)anthracene	3300	<RDL	3300				
Fluoranthene	3300	<RDL	3300	Fluoranthene	3300	<RDL	3300				
Fluorene	3300	<RDL	3300	Fluorene	3300	<RDL	3300				
Indeno(1,2,3-cd)pyrene	3300	<RDL	3300	Indeno(1,2,3-cd)pyrene	3300	<RDL	3300				
Naphthalene	3300	11,000	3300	Naphthalene	3300	<RDL	3300				
Phenanthrene	3300	<RDL	3300	Phenanthrene	3300	<RDL	3300				
Pyrene	3300	<RDL	3300	Pyrene	3300	<RDL	3300				
PCB-1016	<RDL	<RDL	20	PCB-1016	<RDL	<RDL	20				
PCB-1221	<RDL	<RDL	80	PCB-1221	<RDL	<RDL	80				
PCB-1232	<RDL	<RDL	80	PCB-1232	<RDL	<RDL	80				
PCB-1242	<RDL	<RDL	20	PCB-1242	<RDL	<RDL	20				
PCB-1248	<RDL	<RDL	20	PCB-1248	<RDL	<RDL	20				
PCB-1254	<RDL	<RDL	20	PCB-1254	<RDL	<RDL	20				
PCB-1260	<RDL	<RDL	20	PCB-1260	<RDL	<RDL	20				

2-Fluorobiphenyl	107	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/18/98	Date Extd/Dig/Prep: 3/16/98	Result Units: %
<u>ANALYSIS: X PAH/BN QC Surrogates (Soils)</u>		
Method Ref: 3550A/8270B		
o-Terphenyl	See narrative	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/15/98	Date Extd/Dig/Prep: 3/12/98	Result Units: %
<u>ANALYSIS: X DRO QC Surrogates (Soil)</u>		
Method Ref: 3550A/8015		
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/10/98	Date Extd/Dig/Prep: 3/10/98	Result Units: mg/L
<u>ANALYSIS: TCLP Metals</u>		
Method Ref: 3010A/6010B		
Mercury (Reg Limit = 0.2)	<RDL	0.1
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/6/98	Date Extd/Dig/Prep: 3/6/98	Result Units: mg/L
<u>ANALYSIS: TCLP Mercury</u>		
Method Ref: 7470A		
TCLP Extraction	NA	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/5/98	Date Extd/Dig/Prep: 3/5/98	Result Units:
<u>ANALYSIS: TCLP Extraction Procedure</u>		
Method Ref: 1311		
Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: X Pest/PCB OC Surrogates (Soils)		Method Ref: 3550A/8081/2	
Date Analyzed: 3/7/98		Result Units: %	
Date Ext/Dig/Prep: 3/5/98		Reported Detection Limits	
Analytical Results		Analyte Name	
14	86	0	0
Nitrobenzene-d5		p-Terphenyl-d14	
ANALYSIS: X VOC OC Surrogates (Soils)		Method Ref: 8260A	
Date Analyzed: 3/9/98		Result Units: %	
Date Ext/Dig/Prep: 3/9/98		Reported Detection Limits	
Analytical Results		Analyte Name	
106	133	0	0
1,2-Dichloroethane-d4		4-Bromofluorobenzene	
Toluene-d8		Decachlorobiphenyl	
Tetrachloro-m-xylene		Decachlorobiphenyl	
ANALYSIS: X VOC OC Surrogates (Soils)		Method Ref: 8260A	
Date Analyzed: 3/9/98		Result Units: %	
Date Ext/Dig/Prep: 3/9/98		Reported Detection Limits	
Analytical Results		Analyte Name	
110	133	0	0
Toluene-d8		4-Bromofluorobenzene	
1,2-Dichloroethane-d4		Toluene-d8	

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LABORATORY REPORT

Accura Sample ID #: AB38563

Accura Project #: 15823

Client: Omega Env. Services - Tucker
 Date Sampled: 3/3/98
 Client Contact: T. SHEPPARD
 Date Received: 3/4/98
 Client Project Number: DACA21-97-C-0042
 Date Reported: 3/19/98
 Client Project Name: HUNTER AAF FIRE TRAINING AREA
 Client Sample ID: EB-J5
 Sample Matrix: SOIL

ANALYSIS: BTEX

Analyte Name	Analytical Results	Reported Detection Limits
Benzen	16	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	36	10

ANALYSIS: Metals - Mercury - RCRA

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	7.9	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	5.8	5
Selenium	<RDL	5
Silver	<RDL	5

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<RDL = Less than Reported Detection Limit

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Client Sample ID: EB-J5 AALSample ID #: AB38563 Accura Project #: 15823

Analyte Name	Date Analyzed:	3/7/98	Date Exl/Dig/Prep:	3/5/98	Result Units:	ug/Kg	Reported Detection Limits
4,4'-DDD				9.0		2	
4,4'-DDE				15		2	
4,4'-DDT				<RDL		2	
Aldrin				<RDL		2	
alpha-BHC				<RDL		2	
alpha-Endosulfan				<RDL		2	
beta-BHC				<RDL		2	
beta-Endosulfan				<RDL		2	
delta-BHC				<RDL		2	

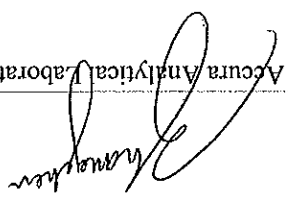
Analyte Name	Date Analyzed:	3/7/98	Date Exl/Dig/Prep:	3/5/98	Result Units:	ug/Kg	Reported Detection Limits
PCB-1016				<RDL		20	
PCB-1221				<RDL		40	
PCB-1232				<RDL		40	
PCB-1242				<RDL		20	
PCB-1248				<RDL		20	
PCB-1254				<RDL		20	
PCB-1260				<RDL		20	

Analyte Name	Date Analyzed:	3/7/98	Date Exl/Dig/Prep:	3/5/98	Result Units:	ug/Kg	Reported Detection Limits
1-Methylnaphthalene				<RDL		3300	
2-Methylnaphthalene				<RDL		3300	
Acenaphthylene				<RDL		3300	
Acenaphthene				<RDL		3300	
Anthracene				<RDL		3300	
Benzo(a)anthracene				<RDL		3300	
Benzo(a)pyrene				<RDL		3300	
Benzo(b)fluoranthene				<RDL		3300	
Benzo(g,h,i)perylene				<RDL		3300	
Benzo(k)fluoranthene				<RDL		3300	
Chrysene				<RDL		3300	
Dibenzo(a,h)anthracene				<RDL		3300	
Fluoranthene				<RDL		3300	
Fluorene				<RDL		3300	
Indeno(1,2,3-cd)pyrene				<RDL		3300	
Naphthalene				<RDL		3300	
Phenanthrene				<RDL		3300	
Pyrene				<RDL		3300	

Analyte Name	Date Analyzed:	3/18/98	Date Exl/Dig/Prep:	3/16/98	Result Units:	ug/Kg	Reported Detection Limits
Method Ref:	3550A/8270B						

2-Fluorobiphenyl	63	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/18/98	Date Ex/Dig/Prep: 3/16/98	Result Units: %
<u>ANALYSIS: X PAH/BN QC Surrogates (Soils)</u>		
Method Ref: 3550A/8270B		
o-Terphenyl	82	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/16/98	Date Ex/Dig/Prep: 3/12/98	Result Units: %
<u>ANALYSIS: X DRO QC Surrogates (Soil)</u>		
Method Ref: 3550A/8015		
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/10/98	Date Ex/Dig/Prep: 3/10/98	Result Units: mg/L
<u>ANALYSIS: TCLP Metals</u>		
Method Ref: 3010A/6010B		
Mercury (Reg Limit = 0.2)	<RDL	0.1
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/6/98	Date Ex/Dig/Prep: 3/6/98	Result Units: mg/L
<u>ANALYSIS: TCLP Mercury</u>		
Method Ref: 7470A		
TCLP Extraction	NA	0
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Date Analyzed: 3/5/98	Date Ex/Dig/Prep: 3/5/98	Result Units:
<u>ANALYSIS: TCLP Extraction Procedure</u>		
Method Ref: 1311		
Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: X Pest/PCB QC Surrogates (Soils)			
Method Ref: 3550A/8081/2			
Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/5/98
Analyte Name	Analytical Results	Result Units:	%
Nitrobenzene-d5	10	Reported Detection Limits	0
p-Terphenyl-d14	74		0
ANALYSIS: X VOC QC Surrogates (Soils)			
Method Ref: 8260A			
Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/7/98
Analyte Name	Analytical Results	Result Units:	%
Decachlorobiphenyl	82	Reported Detection Limits	0
Tetrachloro-m-xylene	89		0
ANALYSIS: X VOC QC Surrogates (Soils)			
Method Ref: 8260A			
Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/7/98
Analyte Name	Analytical Results	Result Units:	%
1,2-Dichloroethane-d4	93	Reported Detection Limits	0
4-Bromofluorobenzene	114		0
Toluene-d8	140		0


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ANALYSIS: PAH's				ANALYSIS: PCB's				ANALYSIS: Pesticides			
Method Ref: 3550A/8270B				Method Ref: 3550A/8082				Method Ref: 3550A/8081A			
Date Analyzed:	3/18/98	Date Ext/Dig/Prep:	3/16/98	Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/5/98	Date Analyzed:	3/7/98	Date Ext/Dig/Prep:	3/5/98
Analyte Name		Analytical Results	Reported Detection Limits	Analyte Name		Analytical Results	Reported Detection Limits	Analyte Name		Analytical Results	Reported Detection Limits
1-Methylnaphthalene		<RDL	3300	1-Methylnaphthalene		<RDL	3300	4,4'-DDD		6.3	2
2-Methylnaphthalene		<RDL	3300	2-Methylnaphthalene		<RDL	3300	4,4'-DDE		<RDL	2
Acenaphthene		<RDL	3300	Acenaphthene		<RDL	3300	4,4'-DDT		<RDL	6
Acenaphthylene		<RDL	3300	Acenaphthylene		<RDL	3300	Aldrin		<RDL	2
Anthracene		<RDL	3300	Anthracene		<RDL	3300	alpha-BHC		<RDL	2
Benzo(a)anthracene		<RDL	3300	Benzo(a)anthracene		<RDL	3300	alpha-Endosulfan		<RDL	2
Benzo(a)pyrene		<RDL	3300	Benzo(a)pyrene		<RDL	3300	beta-BHC		<RDL	2
Benzo(b)fluoranthene		<RDL	3300	Benzo(b)fluoranthene		<RDL	3300	beta-Endosulfan		<RDL	2
Benzo(g,h,i)perylene		<RDL	3300	Benzo(g,h,i)perylene		<RDL	3300	delta-BHC		<RDL	2
Benzo(k)fluoranthene		<RDL	3300	Benzo(k)fluoranthene		<RDL	3300				
Chrysene		<RDL	3300	Chrysene		<RDL	3300				
Dibenzo(a,h)anthracene		<RDL	3300	Dibenzo(a,h)anthracene		<RDL	3300				
Fluoranthene		<RDL	3300	Fluoranthene		<RDL	3300				
Fluorene		<RDL	3300	Fluorene		<RDL	3300				
Indeno(1,2,3-cd)pyrene		<RDL	3300	Indeno(1,2,3-cd)pyrene		<RDL	3300				
Naphthalene		<RDL	3300	Naphthalene		<RDL	3300				
Phenanthrene		<RDL	3300	Phenanthrene		<RDL	3300				
Pyrene		<RDL	3300	Pyrene		<RDL	3300				
PCB-1016		<RDL	20	PCB-1016		<RDL	20				
PCB-1221		<RDL	40	PCB-1221		<RDL	40				
PCB-1232		<RDL	40	PCB-1232		<RDL	40				
PCB-1242		<RDL	20	PCB-1242		<RDL	20				
PCB-1248		<RDL	20	PCB-1248		<RDL	20				
PCB-1254		<RDL	20	PCB-1254		<RDL	20				
PCB-1260		<RDL	20	PCB-1260		<RDL	20				

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Date Analyzed:	3/5/98	Date Ext/Dig/Prep:	3/5/98	Result Units:	Method Ref: 1311
Analyte Name	TCLP Extraction				
Analytical Results	NA				
Reported Detection Limits	0				

ANALYSIS: TCLP Mercury

Date Analyzed:	3/6/98	Date Ext/Dig/Prep:	3/6/98	Result Units:	Method Ref: 7470A
Analyte Name	Mercury (Reg Limit = 0.2)				
Analytical Results	<RDL				
Reported Detection Limits	0.1				

ANALYSIS: TCLP Metals

Date Analyzed:	3/10/98	Date Ext/Dig/Prep:	3/10/98	Result Units:	Method Ref: 3010A/6010B
Analyte Name	Arsenic (Reg Limit = 5.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Barium (Reg Limit = 100.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Cadmium (Reg Limit = 1.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Chromium (Reg Limit = 5.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Lead (Reg Limit = 5.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Selenium (Reg Limit = 1.0)				
Analytical Results	<RDL				
Reported Detection Limits	1				
Analyte Name	Silver (Reg Limit = 5.0)				
Analytical Results	<RDL				

ANALYSIS: X PRO QC Surrogates (Soil)

Date Analyzed:	3/15/98	Date Ext/Dig/Prep:	3/12/98	Result Units:	Method Ref: 3550A/8015
Analyte Name	o-Terphenyl				
Analytical Results	75				
Reported Detection Limits	0				

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Date Analyzed:	3/18/98	Date Ext/Dig/Prep:	3/16/98	Result Units:	Method Ref: 3550A/8270B
Analyte Name	2-Fluorobiphenyl				
Analytical Results	51				
Reported Detection Limits	0				

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<RDL = Less than Reported Detection Limit

Nitrobenzene-d5
p-Terphenyl-d14

0
80

0
0

ANALYSIS: X Pest/PCB OC Surrogates (Soils)

Method Ref: 3550A/8081/2
Date Analyzed: 3/7/98
Date Ex/Dig/Prep: 3/5/98
Result Units: %

Analyte Name
Decachlorobiphenyl
Tetrachloro-m-xylene

111
83

0
0

Method Ref: 8260A

ANALYSIS: X VOC OC Surrogates (Soils)

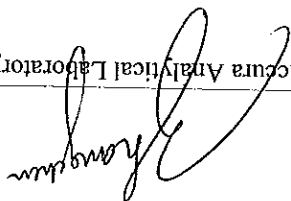
Method Ref: 8260A
Date Analyzed: 3/11/98
Date Ex/Dig/Prep: 3/11/98
Result Units: %

Analyte Name
1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

104
132
113

0
0
0

Accura Analytical Laboratory, Inc.



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<RDL = Less than Reported Detection Limit

Pg 20 of 40

Client Sample ID: EB-14

AALSample ID #: AB38564 Accura Project #: 15823

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USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38565

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-J4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/7/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	10	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.4	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	11	2
4,4'-DDE	4.3	2
4,4'-DDT	<RDL	6
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	4
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	4
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	59	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98 Date Ext/Dig/Prep: 3/16/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	80	0

Nitrobenzene-d5
p-Terphenyl-d14

64
77

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

101
87

0
0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/7/98

Result Units: %

Analyte Name

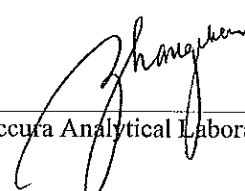
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

97
145
123

0
0
0


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LABORATORY REPORT

Accura Sample ID #: AB38566

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: VI-TB

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

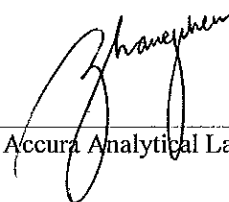
ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 8260A

Date Analyzed: 3/11/98 Date Ext/Dig/Prep: 3/11/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	88	0
4-Bromofluorobenzene	100	0
Toluene-d8	101	0


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LABORATORY REPORT

Accura Sample ID #: AB38567

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/20/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-H4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	10
Ethyl benzene	<RDL	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	19	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	7.8	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/8/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/8/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	71	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98 Date Ext/Dig/Prep: 3/16/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	78	0

Nitrobenzene-d5
p-Terphenyl-d14

67
67

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/8/98

Date Ext/Dig/Prep: 3/5/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

86
72

0
0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: %

Analyte Name

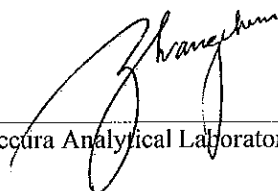
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

123
167
131

0
0
0


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LABORATORY REPORT

Accura Sample ID #: AB38568

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-I4

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98

Date Ext/Dig/Prep: 3/12/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	7.2	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/8/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/8/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/14/98 Date Ext/Dig/Prep: 3/12/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	58	0

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/18/98 Date Ext/Dig/Prep: 3/16/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	62	0

Nitrobenzene-d5	42	0
p-Terphenyl-d14	75	0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/8/98 Date Ext/Dig/Prep: 3/5/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	89	0
Tetrachloro-m-xylene	78	0

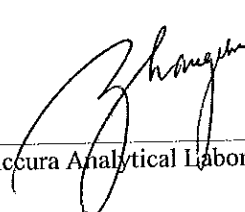
ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	115	0
4-Bromofluorobenzene	157	0
Toluene-d8	126	0


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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38569

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX

Method Ref: 5030A/8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	<RDL	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/13/98

Date Ext/Dig/Prep: 3/12/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	<RDL	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Date Analyzed: 3/6/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	<RDL	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: 3550A/8270B

Date Analyzed: 3/17/98

Date Ext/Dig/Prep: 3/16/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	<RDL	330
2-Methylnaphthalene	<RDL	330
Acenaphthene	<RDL	330
Acenaphthylene	<RDL	330
Anthracene	<RDL	330
Benzo(a)anthracene	<RDL	330
Benzo(a)pyrene	<RDL	330
Benzo(b)fluoranthene	<RDL	330
Benzo(g,h,i)perylene	<RDL	330
Benzo(k)fluoranthene	<RDL	330
Chrysene	<RDL	330
Dibenzo(a,h)anthracene	<RDL	330
Fluoranthene	<RDL	330
Fluorene	<RDL	330
Indeno(1,2,3-cd)pyrene	<RDL	330
Naphthalene	<RDL	330
Phenanthrene	<RDL	330
Pyrene	<RDL	330

ANALYSIS: PCB's

Method Ref: 3550A/8082

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
PCB-1016	<RDL	20
PCB-1221	<RDL	40
PCB-1232	<RDL	40
PCB-1242	<RDL	20
PCB-1248	<RDL	20
PCB-1254	<RDL	20
PCB-1260	<RDL	20

ANALYSIS: Pesticides

Method Ref: 3550A/8081A

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	<RDL	2
4,4'-DDE	<RDL	2
4,4'-DDT	<RDL	2
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	<RDL	2
Endosulfan sulfate	<RDL	2
Endrin	<RDL	2
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Analyzed: 3/5/98 Date Ext/Dig/Prep: 3/5/98 Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP Extraction	NA	0

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Analyzed: 3/6/98 Date Ext/Dig/Prep: 3/6/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Mercury (Reg Limit = 0.2)	<RDL	0.1

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Analyzed: 3/10/98 Date Ext/Dig/Prep: 3/10/98 Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic (Reg Limit = 5.0)	<RDL	1
Barium (Reg Limit = 100.0)	<RDL	1
Cadmium (Reg Limit = 1.0)	<RDL	1
Chromium (Reg Limit = 5.0)	<RDL	1
Lead (Reg Limit = 5.0)	<RDL	1
Selenium (Reg Limit = 1.0)	<RDL	1
Silver (Reg Limit = 5.0)	<RDL	1

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550A/8015

Date Analyzed: 3/16/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	75	10

ANALYSIS: X PAH/BN QC Surrogates (Soils)

Method Ref: 3550A/8270B

Date Analyzed: 3/17/98 Date Ext/Dig/Prep: 3/16/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	67	0

Nitrobenzene-d5
p-Terphenyl-d14

54
89

0
0

ANALYSIS: X Pest/PCB QC Surrogates (Soils)

Method Ref: 3550A/8081/2

Date Analyzed: 3/7/98

Date Ext/Dig/Prep: 3/5/98

Result Units: %

Analyte Name

Analytical Results

Reported Detection Limits

Decachlorobiphenyl
Tetrachloro-m-xylene

90
81

0
0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

Date Analyzed: 3/9/98

Date Ext/Dig/Prep: 3/9/98

Result Units: %

Analyte Name

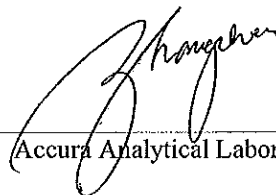
Analytical Results

Reported Detection Limits

1,2-Dichloroethane-d4
4-Bromofluorobenzene
Toluene-d8

100
109
101

0
0
0



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38570

Accura Project #: 15823

Client: Omega Env. Services - Tucker

Date Sampled: 3/3/98

Client Contact: T. SHEPPARD

Date Received: 3/4/98

Client Project Number: DACA21-97-C-0042

Date Reported: 3/19/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030A/8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1,1-Trichloroethane	<RDL	5
1,1,2,2-Tetrachloroethane	<RDL	5
1,1,2-Trichloroethane	<RDL	5
1,1-Dichloroethane	<RDL	5
1,1-Dichloroethene	<RDL	5
1,2-Dichlorobenzene	<RDL	5
1,2-Dichloroethane	<RDL	5
1,2-Dichloropropane	<RDL	5
1,3-Dichlorobenzene	<RDL	5
1,4-Dichlorobenzene	<RDL	5
2-Butanone (MEK)	<RDL	50
2-Chloroethylvinyl ether	<RDL	10
2-Hexanone	<RDL	50
4-Methyl-2-pentanone (MIBK)	<RDL	50
Acetone	<RDL	50
Benzene	<RDL	5
Bromodichloromethane	<RDL	5
Bromoform	<RDL	5
Bromomethane	<RDL	5
Carbon disulfide	<RDL	5
Carbon tetrachloride	<RDL	5
Chlorobenzene	<RDL	5
Chloroethane	<RDL	5
Chloroform	<RDL	5
Chloromethane	<RDL	5
cis-1,2-Dichloroethene	<RDL	5
cis-1,3-Dichloropropene	<RDL	5
Dibromochloromethane	<RDL	5
Ethylbenzene	<RDL	5
Methylene chloride	<RDL	5
Styrene	<RDL	5
Tetrachloroethene	<RDL	5

Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

ANALYSIS: X VOC QC Surrogates (Waters)

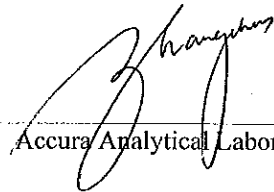
Method Ref: 8260A

Date Analyzed: 3/11/98

Date Ext/Dig/Prep: 3/11/98

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	81	0
4-Bromofluorobenzene	86	0
Toluene-d8	92	0


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<RDL = Less than Reported Detection Limit

Pg 40 of 40

Client Sample ID: METHOD BLANK

AAI Sample ID #: AB38570 Accura Project #: 15823

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 3-3-98

Weather:

Temperature _____

Wind Speed and Direction _____

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

Confirmatory Sampling - See Table 4 and COCs

Sampling, and Sample Shipments:

Corders IV, V, VI and COE
Samples shipped via Fed-X.
See Fed-X Air Bill.

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature [Signature] Date 3-3-98

CQC Representative:

Signature _____ Date _____

3-3-98

Table 4

Page 1 of 3

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
FW-H4	Soil	✓						
EW-I4-a	"	✓						
EW-I4-b	"	✓						
EB-L8	"	✓						
EW-L8-b	"	✓						
EW-L8-a	"	✓						
EB-L7	"	✓						
EW-L7	"	✓						
EB-L6	"	✓						
EW-L6	"	✓						
FW-L6-X	"		✓					
IV-TB	water			✓				
EB-L5	Soil	✓						

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
 Hunter Army Airfield, Georgia
 Contract No. DACA21-97-C-0042

Table 4

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EW-L5-b	Soil	✓						
EW-L5-a	"	✓						
EW-L4	"	✓						
EB-K8	"	✓						
EB-K7	"	✓						
EB-K6	"	✓						
EB-K5	"	✓						
EB-K4	"	✓						
EW-K4	"	✓						
EW-K4-X	"		✓					
X-TB	water			✓				
EB-J6	Soil	✓						
EB-J7	"	✓						

Note: This table is to be completed in the field based upon the actual samples taken.

Table 4
Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EB-J6	Soil	✓						
EB-J5	"	✓						
EB-J4	"	✓						
EW-J4	"	✓						
VI-TB	water		✓					
EB-H4	Soil	✓						
EB-I4	"	✓				✓		
EW-L6-0	"					✓		
EW-K4-0	"						✓	
II-TB-COE	water							

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

**HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042**

Date

2-26-98

Weather:

Temperature

50° - 81°

Wind Speed and Direction

Barometric Reading

Other

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

See Attached Sheets / Table 4

Sampling, and Sample Shipments:

Confirmatory Sampling

See Attached Sheets

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature

[Signature]

Date

2-27-98

CQC Representative:

Signature

[Signature]

Date

2-27-98

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

**HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042**

Date 12/11/97

Weather:

Temperature _____
Wind Speed and Direction 0-3 mph NW
Barometric Reading N/A
Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

N/A

Sampling, and Sample Shipments:

Simulated aircraft Tank, two samples collected 001 being Soils
in bottom of Tank, 002 being Foam in tank,

One Cooler to Accura shipped by Fedx

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature David Prince Date 12/11/97

CQC Representative:

Signature John G. Flinn Date 12/11/97

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 12/18/97

Weather:

Temperature _____

Wind Speed and Direction 0-5 mph out of NW

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

N/A

Sampling, and Sample Shipments:

Aluminum Tank - 5D-001
Concrete Pad Excavated, Soil - ConPad-ES-001
Concrete Pad Concrete - ConPad-DM-001
One Cooler to Accura Shipped by FedEx

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature David Price Date 12/18/97

CQC Representative:

Signature John G. Fleming Date 12/18/97

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 1/12/98

Weather:

Temperature 68°F
Wind Speed and Direction 2-5 mph to the NW
Barometric Reading _____
Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

One QA sample collected & shipped to Corp Lab. Sample collected from the first stockpile generated from source removal Hunter Fire Training Area. Heap #1-ES-003 is sample I.D.

Sampling, and Sample Shipments:

Heap #1 Excavated soil stockpile, Samples collected
Heap #1-ES-001 Note: Both coolers included Trip BIK (UAC)
Heap #1-ES-002 Dup. sample Samples analyzed for BTEX, PAH, TPH-418, TCCP metals
Heap #1-ES-003 QA sample
One cooler shipped to Acuvra FedEx (Heap #1-ES-001+002) one cooler shipped to Corps FedEx (Heap #1 ES-003)

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature [Signature] Date 1/12/98

CQC Representative:

Signature [Signature] Date 1/12/98

**HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042**

Weather:

er: _____
Temperature 38 to 55

Wind Speed and Direction 5-10 NE

Barometric Reading _____

Other _____

Simple No: 8

Sample No. HP#2-ES-001-X (primary lab examined soil sample)

HP#2-ES-ED1-D (primary hole DE " " ")

MP#2-X-TB (Trip Blank - primary lock)

MP# 2,3,4-QA-TB (QA Lab for P Blanks)


HP# 2-ES-001-QA (QA sample, extended grid)

Sampling, and Sample Shipments:

These samples kept cool 4°C for shipment
on 1-21-98 via Fed-X.

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None known

On-site personnel responsible for chemical parameter measurement and sample acquisition: 

Signature

Date 1-20-98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 1-21-98

Weather:

Temperature 42 to 61
Wind Speed and Direction 10-15 NW
Barometric Reading _____
Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

HP#3-ES-001-X (primary Lab excavated soil)
HP#3-ES-001-O (primary Lab QC)
HP#3-ES-001-DA (Duplicate sent to COE QA Lab)
HP#3-X-TB (Trip Blank primary Lab)
HP#234-QA-TB (Trip Blank QA Lab)

Sampling, and Sample Shipments:

continued

HP#4-ES-001-X { primary Lab excavated soil }
HP#4-ES-001-O { primary Lab QC " " "
HP#4-ES-001-QA { DA COE Lab " " "
HP#4-X-TB { Primary Lab Trip Blank }
HP#2,34-QA-TB { 2 QA Lab Trip Blank }
*** HP#2, HP#3, and HP#4 sent to laboratory via Fed-X.

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None Known

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature

Date 1-21-98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 1/28/98

Weather:

Temperature 60°

Wind Speed and Direction 20-25 mph out the SE

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

106-001-WW-X (Primary Lab water sample)
106-001-WW-O (Primary Lab QC)
106-X-TB (Primary Lab Trip Blank)
106-001-WW-QA (QA sample sent to CoE Lab)
106-QA-TB (QA Trip BLK sent to CoE Lab)

Sampling, and Sample Shipments:

106-001-WW-X } shipped to Acuna Via FedEx
106-001-WW-O }
106-X-TB }
106-001-WW-QA } shipped to CoE Lab Via FedEx
106-QA-TB }

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None Known

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature [Signature] Date 1/28/98

CQC Representative:

Signature _____ Date _____

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 1/29/98

Weather:

Temperature 62°

Wind Speed and Direction D-South NE

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

Sample ID:
106M-001-SWW-X (Primary lab Sample) 106-SWW-TB (Primary lab Trip Blank)
106T-002-SWW-X (" " ")
106T-002-SWW-D (Primary lab QC) 106-T-002-SWW-QA (COE QA sample)
106B-003-SWW-X (Primary lab Sample) 106-SWW-QA-TB (COE Trip Blank)
Heap #5-ES001-X (" " ") Heap #5-ES001-QA (COE QA sample)
Heap #5-ES001-D (Primary lab QC)

Sampling, and Sample Shipments:

Above stated samples shipped via FedX on 1-29-98

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

N/A

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature [Signature]

Date 1-29-98

CQC Representative:

Signature _____ Date _____

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 1/30/98

Weather:

Temperature _____

Wind Speed and Direction _____

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

Sample No:			
106-001-SW4-X (Top)	(Primary Lab Sample)	106-SW4	(Primary Lab Sample)
106-002-SW4-Z (Middle)	(Primary Lab Sample)	2 079-SW4	Trip Blank
106-003-SW4-Y (Bottom)	(Primary Lab Sample)		
079-001-SW4-P (bottom)	(Primary Lab Sample)		
079-002-SW4-Q (top)	(Primary Lab Sample)		

Sampling, and Sample Shipments:

Above stated samples shipped via FedEx on 1-30-98

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

N/A

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature _____

Date 1/30/98

CQC Representative:

Signature _____

Date _____

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2/12/98

Weather:

Temperature

49° - 65°

Wind Speed and Direction

10 - 15 NW

Barometric Reading

Other

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

Heap # 6-ES-001-X (Primary Lab excavated soil)
Heap # 6-ES-001-O (Primary Lab QC)
Heap # 6-ES-001-QA (Dup. sent to COE QA Lab)
Heap # 6-X-TB Trip Blank Primary
Heap # 6-QA-TB Trip Blank - QA Lab
Heap # 6-X-RA Primary Lab Rinsewater Sample

Sampling, and Sample Shipments:

All samples shipped via FedEx
Packed on Ice

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature

Date

2/12/98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2/13/98

Weather:

Temperature 36-42

Wind Speed and Direction 3-5 mph NE

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

EB-K5-S }
EB-L5-S } soil screening locations

25 ppm

125 ppm

625 ppm

Sampling, and Sample Shipments:

Collected samples according to the Sampling and Analysis Plan

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature [Signature] Date 2/13/98

CQC Representative:

Signature _____ Date _____

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2/16/98

Weather:

Temperature 59-60

Wind Speed and Direction 5-25 mph NE

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

1K.)	EB-L6-S	EB-J5-S	EB-I5-S
25) Calibrators	EB-L7-S	EB-J6-S	
125 }	EB-L8-S	EB-J7-S	
625 }	EB-K8-S	EB-J8-S	
	EB-K7-S	EB-I8-S	
	EB-K6-S	EB-I7-S	

Sampling, and Sample Shipments:

All samples collected according to the approved SAP

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature

[Signature]

Date

2/16/98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2/18/98

Weather:

Temperature 58° - 64°

Wind Speed and Direction _____

Barometric Reading _____

Other _____

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

Heap #7-ES-001-X (Primary lab sample)	EB-F8-S	EB-J4-S
Heap #7-ES-001-O (Primary lab QC)	EB-F8-S	EB-K4-S
Heap #7-X-TB (Primary lab Trip Blank)	EB-G8-S Dup	
Heap #7-ES-001-QA (COE lab QC Sample)	EB-H8-S	
Heap #7-QA-TB (COE lab Trip Blank)	EB-I6-S	
	EB-I4-S	


Sampling, and Sample Shipments:

Heap #7 Samples packed on ice + shipped via FedEx

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature



Date

2/18/98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2/24/98

Weather:

Temperature

42° - 70°

Wind Speed and Direction

Barometric Reading

Other

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

EB-H6-S	EB-67-S	EB-E7-S-QC	Primary Lab QC samples
EB-E6-S	EB-66-S	EB-65-S-QC	
EB-E7-S	EB-F7-S	EB-H6-S-QC	
EB-F5-S	EB-65-S	EB-H6-S-QA	
EB-H7-S	EB-H4-S	EB-65-S-QA	LOE Lab QA samples
EB-F6-S		EB-E7-S-QA	
		EB-E7, G5, H6-TB	Primary Lab TB
		EB-E7, G5, H6-QA-TB	LOE Trip Blank

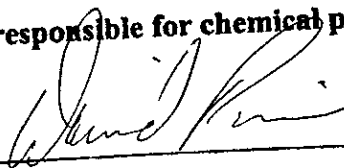
Sampling, and Sample Shipments:

Samples to be shipped via FedEx on 2/25/98

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature



Date

2/24/98

CQC Representative:

Signature

Date

DAILY CHEMICAL QUALITY CONTROL REPORT FORM

HUNTER FIRE TRAINING AREA
HUNTER ARMY AIRFIELD, GEORGIA
CONTRACT NO. DACA21-97-C-0042

Date 2-26-98

Weather:

Temperature

50° - 81°

Wind Speed and Direction

Barometric Reading

Other

Chemical Data Acquisition Work Performed (i.e. QA samples collected and calibrations):

See Attached Sheets / Table 4

Sampling, and Sample Shipments:

Continuity Sampling

See Attached Sheets

Chemical Parameter Measurement Problems and/or Corrective Actions or deviations from the approved SAP:

None

On-site personnel responsible for chemical parameter measurement and sample acquisition:

Signature

Date

2-27-98

CQC Representative:

Signature

Date

2-27-98

3 of 3

Table 4

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinse Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinse Blank (QA Lab)
EB-H5	soil	✓						
EB-H6	soil	✓						
EB-H7	soil	✓						
EB-H8	soil	✓						
EB-IS	soil	✓						
EB-IS-X	soil		✓					
III-TB	water			✓				
EB-I6	soil	✓						
EB-I7	soil	✓						
EB-I8	soil	✓				✓		
EB-IS-0	soil						✓	
I-TB-GE	water							

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042

Table 4

Sample Table

2-26-88
1 of 3

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EW-E6-a	Soil	✓						
EW-E6-b	Soil	✓						
EB-E6	Soil	✓						
EW-E7-a	Soil	✓						
EB-E7	Soil	✓						
EW-E8-a	Soil	✓						
EW-E8-b	Soil	✓						
EB-E8	Soil	✓						
EW-F5	Soil	✓						
EB-F5	Soil	✓						
EB-F5-X	Soil		✓					
I-TB	water			✓				
EB-F5-0	Soil					✓		

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042

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Table 4

2 of 3

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EB-F6	soil	✓						
EB-F7	soil	✓						
EB-F8	soil	✓						
EW-G5-a	soil	✓						
EW-G5-b	soil	✓						
EB-G5	soil	✓						
EB-G6	soil	✓						
EB-G7	soil	✓						
EB-G8	soil	✓						
EB-G8-X	soil		✓					
II-TB	water			✓				
EB-G8-C	soil					✓		
I-TB								

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
 Hunter Army Airfield, Georgia
 Contract No. DACA21-97-C-0042

Table 4
Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EB-H5	soil	✓						
EB-H6	soil	✓						
EB-H7	soil	✓						
EB-H8	soil	✓						
EB-I5	soil	✓						
EB-I5-X	soil		✓					
III-TB	water			✓				
EB-I6	soil	✓						
EB-I7	soil	✓						
EB-I8	soil	✓				✓		
EB-I5-0	soil						✓	
I-TB-coe	water							

Note: This table is to be completed in the field based upon the actual samples taken.

Table 4

Sample Table

	Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
12/11/97	001 Sim. Aircraft	Solid	001 Sim. Aircraft	Ø	Ø	Ø	Ø	Ø	Ø
	002 Sim. Aircraft	Solid	002 Sim. Aircraft	Ø	Ø	Ø	Ø	Ø	Ø
12/18/97	Con Pad-ES-001	Soil	Con Pad-ES-001	Ø	Ø	Ø	Ø	Ø	Ø
	Con Pad-DM-001	concrete	Con Pad-DM-001	Ø	Ø	Ø	Ø	Ø	Ø
	Alm Tank-SD-001	Solid	Alm Tank-SD-001	Ø	Ø	Ø	Ø	Ø	Ø
1/12/98	HP#1-ES-001	Soil	HP#1-ES-001	Ø	Trip Blank	Ø	HP#1-ES-003	Trip Blank	Ø
	HP#1-ES-002	Soil	HP#1-ES-002	Ø	"	Ø	"	"	Ø
	HP#1-ES-003								
	HP#1-ES-004								
1/20/98	HP#2-ES-001	Soil	HP#2-ES-001-X	HP#2-ES-001-O	HP#2-X-TB	Ø	HP#2-ES-001-QA	HP#2,3,4-QA-TB	Ø
1/21/98	HP#3-ES-001	Soil	HP#3-ES-001-X	HP#3-ES-001-O	HP#3-X-TB	Ø	HP#3-ES-001-QA	HP#2,3,4-QA-TB	Ø
	HP#4-ES-001	Soil	HP#4-ES-001-X	HP#4-ES-001-O	HP#4-X-TB	Ø	HP#4-ES-001-QA	HP#2,3,4-QA-TB	Ø

Note: This table is to be completed in the field based upon the actual samples taken.

Table 4

Sample Table

	Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)	
1/29/98	106-001-WW	Water	106-001-WW X	106-001-WW O	106-X-TB	Ø	106-001-WW QA	106-QA TB	Ø	
1/29/98	106M-001-SWW-X	Water	106M-001-SWW-X	Ø	Ø	Ø	Ø	Ø	Ø	shipped together used TB 106-SWW-TB 106-SWW-QA-TB for keepth:
1/29/98	106T-002-SWW-X	Water	106T-002-SWW-X	106T-002-SWW-O	106-SWW-TB	Ø	106T-002-SWW-QA	106-SWW-QA-TB	Ø	
1/29/98	106B-003-SWW-X	Water	106B-003-SWW-X	Ø	Ø	Ø	Ø	Ø	Ø	
1/29/98	Heap #5-ES01-X	Soil	Heap #5-ES01-X	Heap #5-ES01-O	Ø	Ø	Heap #5-ES01-QA	Ø	Ø	
1-30-98	106-001-SWW-X	Water	106-001-SWW-X	Ø	Ø	Ø	Ø	Ø	Ø	
Ø / Ø	106-002-SWW-Z	Water	106-002-SWW-Z	Ø	Ø	Ø	Ø	Ø	Ø	
Ø	106-003-SWW-Y	Water	106-003-SWW-Y	Ø	Ø	Ø	Ø	Ø	Ø	
Ø	079-001-SWW-P	Water	079-001-SWW-P	Ø	Ø	Ø	Ø	Ø	Ø	
Ø	079-002-SWW-Q	Water	079-002-SWW-Q	Ø	106-SWW 1079-SWW-TB	Ø	Ø	Ø	Ø	

Note: This table is to be completed in the field based upon the actual samples taken.

Table 4

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
2/12/98 2/16/98 Heap #6-ES-001	Soil	Heap #6-ES-001-X	Heap #6-ES-001-D	Heap #6-X-TB	Heap #6-X-RA	Heap #6-ES-001-QA	Heap #6-ES-001-QA-TB	
EB-J6-S	Soil	EB-J6-S	EB-J6-S-QC	EB-J6-S-TB		EB-J6-S-QA		
2/12/98 EB-K5-S	Soil	-	-	-	-	-	-	-
EB-L5-S	Soil	-	-	-	-	-	-	-
2/14/98 EB-J5-S	Soil	-	-	-	-	-	-	-
Dup { EB-I5-S	Dup	-	-	-	-	-	-	-
EB-I5-S		-	-	-	-	-	-	-
EB-J8-S		-	-	-	-	-	-	-
EB-J8-S		-	-	-	-	-	-	-
EB-L8-S		-	-	-	-	-	-	-
Dup { EB-K7-S		-	-	-	-	-	-	-
EB-K7-S		-	-	-	-	-	-	-
EB-K8-S		-	-	-	-	-	-	-

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042

Table 4

Sample Table

Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
EB-J7-S	Soil	—	—	—	—	—	—	—
EB-L6-S	↓	—	—	—	—	—	—	—
EB-K6-S	↓	—	—	—	—	—	—	—
EB-I7-S	↓	—	—	—	—	—	—	—
EB-L7-S	↓	—	—	—	—	—	—	—
EB-J6-S	↓	—	—	—	—	—	—	—
2/19/58 Heap #7-ES-001	Soil	Heap #7-ES-001 X	Heap #7-ES-001 O	Heap #7-X TB	—	Heap #7-ES-001 QA	Heap #7-QA- TB	
EB-E8-S	↓							
EB-F8-S	↓							
EB-G8-S	↓							
EB-G8-S Dup	↓							
EB-H8-S	↓							
EB-I6-S	↓							

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042

Table 4

Sample Table

	Sample Location - ID Number	Sample Matrix	Sample Number (Primary Lab)	QC Sample Number (Primary Lab)	Associated Trip Blank Number (Primary Lab)	Associated Rinsate Blank (Primary Lab)	Sample Number (QA Lab)	Associated Trip Blank Number (QA Lab)	Associated Rinsate Blank (QA Lab)
2/18/98	EB-I4-S	Soil							
2/18/98	EB-J4-S	↓							
2/18/98	EB-K4-S	↓							
2/24/98	EB-H6-S	Soil		EB-H6-S-QC	EB-H6, E7, E5 TB		EB-H6-S-QA	EB-H6, E7, E5 QA-TB	
	EB-E6-S	↓							
	EB-E7-S	↓		EB-E7-S-QC			EB-E7-S-QA		
	EB-F5-S	↓							
	EB-H7-S	↓							
	EB-F6-S	↓							
	EB-G7-S	↓							
	EB-G6-S	↓							
	EB-F7-S	↓							
	EB-G5-S	↓		EB-G5-S-QC			EB-G5-S-QA		

Note: This table is to be completed in the field based upon the actual samples taken.

Hunter Fire Training Area
Hunter Army Airfield, Georgia
Contract No. DACA21-97-C-0042