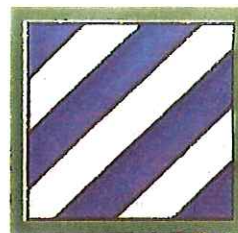


FORS COM



3d Inf Div(m)

Soil Remedial Action Report

**Hunter Army Airfield Fire Training Center
(HAA-01)**

Hunter Army Airfield, Georgia

Prepared for:
U.S. Army Corps of Engineers
and
Fort Stewart Directorate of Public Works
Under
Contract # DACA21-97-C-0042

Prepared by:
Omega Environmental Services
Geosciences, Inc.

October 1998

Volume I of VI



October 1, 1998

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

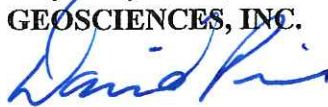
SUBJECT: Soil Remedial Action (RA) Report
Fire Training Area Project
Hunter Army Airfield, Georgia
Contract # DACA21-97-C-0042
Geosciences Job No. MCE-97-626

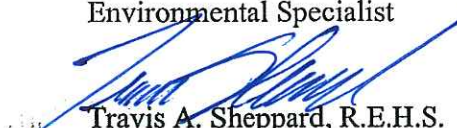
Dear Mr. Driver:

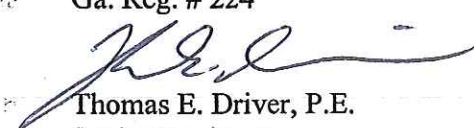
Geosciences, Inc. is pleased to present this Soil Remedial Action (RA) Report for the above referenced site. This report includes six volumes. The report is intended to summarize the activities accomplished and the findings developed under this contract.

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.


David Price
Environmental Specialist


Travis A. Sheppard, R.E.H.S.
Environmental Health Specialist
Ga. Reg. # 224


Thomas E. Driver, P.E.
Senior Engineer
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TAS/TED/tas

Attachments

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EXECUTIVE SUMMARY

This Soil Remedial Action (RA) Report summarizes the activities accomplished and findings developed for work associated with the source (i.e., contaminated soil) Remedial Action (RA) at the Hunter Army Airfield Fire Training Area (HAAF FTA), HAA-01, 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, Volume I, 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 aboveground storage tank (AST). A smaller aluminum AST was situated just east of the berm (see Figure 3, Volume I, Appendix I).

Both 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 soil and groundwater at the site were contaminated with petroleum hydrocarbons, Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), and potentially metals.

This Soil Remedial Action accomplished the removal and proper disposal 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 project generated 9,430.04 tons of contaminated soils; 233.55 tons of demolished concrete debris; 81,906 gallons of waste water; 7 drums of nonhazardous waste; and 1 drum of hazardous waste.

The Soil Remedial Action was completed in accordance with the project specifications. Site/field observations and results of the confirmatory soil sampling conducted indicate that soil and groundwater contamination remains at the HAAF FTA (HAA-01).

1.0 PROJECT SUMMARY

This project summary is compiled from site observations and review of Daily Construction Reports and Daily Quality Control Reports which were provided to the COE during the course of the project. The site set-up is depicted on Figure 3, Volume I, 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 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 6, Volume II, Appendix III); 81,906 gallons of waste water (see Section 7, Volume II, Appendix III); 7 drums of nonhazardous waste; and 1 drum of hazardous waste (see Section 8, Volume II, Appendix III). Certificates of disposal for the scrapped metal tanks and equipment are included in Section 4, Volume II, Appendix III.

The excavation was approximately 140 feet across at the widest point and approximately 230 feet long. Approximately 25% to 30% of the excavation was approximately 7 feet deep (below the Fire Training Concrete Pad area). The remaining areas of the excavation were approximately 5 to 6 feet deep.

The specific dimensions and the specific depth of a given area in the excavation may be determined by comparing the difference in elevation contour line values shown on Figure 4, Pre-Excavation Layout and Contours Map with Figure 5, Post-Excavation Layout and Contours Map (see Volume I, Appendix I).

1.1 A Chronological Summary Of Pertinent Site Activities

- | | |
|----------|---|
| 11-18-97 | Set-up of decontamination pad, perimeter fence, exclusion zone, and silt control. Utilities location performed. |
| 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 recycling facility. Began demolition of the concrete pad. Began hand digging to expose utility 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 to the COE in the January 7, 1998 Daily Construction Quality Control Report. In accordance with the contract specifications, and per the request of the COE representative, monitoring wells MW-1 through MW-13 were measured for the depth to free product and/or groundwater before commencing with remedial soil excavation activities. No free product was encountered in the other wells evaluated.
- 1-12-98 Utilities excavated. Approximately 400 cubic yards of soil stockpiled. Soil stockpile samples collected.
- 1-13-98 All demolished concrete hauled to Soil Safe Technologies, Inc., approximately 16 truck loads (see Volume II, Section 9). Continued excavation of soil, approximately 550 cubic yards.
- 1-20-98 Loadout (transported off the site) 54 truck loads of soil. Pit water and free product noted in excavation.
- 1-21-98 Loadout 50 truck loads of soil. Stockpiled soil 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 removed from holding tank and taken to Georgia Petroleum, Inc. 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 of soil. 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 confirmatory soil sampling. Collected 27 confirmatory soil samples and three QC soil samples for submittal to the primary laboratory. Collected three QA soil samples for the COE laboratory. Samples shipped to the respective laboratories via Federal Express Priority Overnight delivery.

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 confirmatory soil samples shipped to the laboratories.

- 3-4-98 Hauled in 117 truck loads of backfill and compaction conducted. Loadout two tankers of pit water, approximately 11,000 gallons. Removed and hauled to Georgia Petroleum, Inc. for disposal.
- 3-5-98 Hauled in 163 truck loads of backfill and compaction conducted.
- 3-6-98 Hauled in 69 truck loads of backfill and compaction conducted.
- 3-9-98 Cleaned water holding tank.
- 3-10-98 Hauled in 132 truck loads of backfill and compaction conducted. Loadout one hazardous waste drum.
- 3-12-98 Site restoration.
- 3-13-98 Hauled out approximately 13,000 gallons of waste water and one 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 conducted.
- 3-27-98 Demobilization from the site.

1.2 Subcontractors

OES retained Geosciences, Inc. to perform field sampling of environmental media, provide immunoassay screening of soils, and compile data for preparation of the Soil Remedial Action 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.

2.0 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. Each of the sample locations were determined by a Registered Land Surveyor. A flagged survey stake was placed in the excavation at each surveyed sample point. The elevation of each excavation base sample point is shown on Figure 6, Volume I, Appendix I. The sample depths of base samples were determined by subtracting those values from the Pre-Excavation Layout and Contours Map, Figure 4, Volume I, Appendix I. Side wall samples were collected from the midpoint to lower one-third of each sidewall. The calculated sample depths (from land surface) are presented in Table 1, Volume I, Appendix I. The sample location identification numbers are depicted on Figures 6 and 7, Volume I, Appendix I.

There were 55 confirmatory soil samples collected. Since the soil sampling depth at the excavation limits was restricted to soil depths between 6 inches and 1 foot, the stainless steel scoop sampling procedure was utilized. For this method, a typical garden spade was used to remove the top cover of soil to a depth of 6 inches and a smaller stainless steel scoop was used to collect the sample. The sampling procedure used is detailed as follows:

- o Prior to sample collection, the soil sample location and approximate depth were noted in the field logbook.
- o Plastic sheeting was placed on the ground around the sampling location to prevent cross-contamination.
- o The top layer of soil was carefully removed to the desired sample depth with a decontaminated spade.
- o Using the decontaminated stainless steel scoop, the sample aliquot for VOC analysis was collected first, then remaining soil was homogenized in a stainless steel bowl for collection of other sample parameters.
- o The samples were transferred into the appropriate sample container with a stainless steel spoon.
- o The sample container caps were secured tightly.
- o The sample bottle was labeled with the appropriate sample label including categories and parameters.

- o The filled sample containers were immediately placed on ice.
- o The chain-of-custody documents were completed, and copies of the chain-of-custody were provided to the COE.
- o The samples were carefully packaged and prepared for shipment to the laboratories.
- o Sampling equipment was decontaminated after use and between sample locations.
- o Preservation methods for the soil samples included no headspace in the sample container, refrigeration, and protection from light. The sample jars were closed as soon as possible after filling.
- o A clean pair of new, disposable gloves were worn each time a different location was sampled and gloves were donned immediately prior to sampling.
- o Sample containers were placed in separate plastic bags immediately after collecting, preserving, and labeling.

The soil samples were submitted to Accura Analytical Laboratory for analytical testing of TCLP metals, RCRA Metals, PAHs, BTEX, Organochlorine Pesticides, PCBs, and TPH (DRO). Quality Control (QC) and Quality Assurance (QA) duplicates/splits were collected at a 10% frequency. Copies of the laboratory reports and chain of custody forms are presented in Section 1, Volume I, Appendix II.

The confirmatory soil sampling results which exceeded the reported detection limits are presented in tabular format in Volume I, 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. ***The bold and italicized results indicate samples exceeding HSRA NCs.*** The analytical results of approximately 34 of the 55 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.

3.0 CONCLUSIONS

Omega Environmental Services, Inc. has completed the Soil Remedial 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, and approximately 9430 tons of contaminated soil was removed from the site. 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 to specification grades, and hydro-seeded.

Based on Geosciences observations, the immunoassay screening, and analytical data presented in this report, soil and groundwater contamination remain at the site. Over 85% of the immunoassay screening results exceeded the highest control reference used, 592 ppm. Over 50% of the soil confirmation sample locations yielded results exceeding an NC under HSRA. Free product was observed in the excavation and in a downgradient monitoring well, MW-7.

Benzene was the primary constituent which exceeded HSRA regulatory levels (30 of the 55 confirmatory samples were above the NC for Benzene). Ethylbenzene, toluene, and xylenes also exceeded NC. The confirmatory soil sample results indicate that contamination was primarily encountered at the excavation base, 4.94 feet to 8.33 feet below land surface (the minimum and maximum excavation base sampling depths). The north and south excavation wall soil samples also yielded higher levels of contamination (approximately 2 ½ to 3 ½ feet below land surface). Otherwise, the results exceeding NCs were dispersed over the entire area sampled, and there did not appear to be an overt "trend" indicating a particular pattern or area of contamination.

APPENDIX I

TABLE 1, CONFIRMATORY SOIL SAMPLING RESULTS
SUMMARY

FIGURE 1, SITE LOCATION MAP

FIGURE 2, SITE LOCATION MAP, U.S.G.S.

FIGURE 3, SITE BASE MAP (PRIOR TO SOIL RA)

FIGURE 4, PRE-EXCAVATION LAYOUT AND CONTOURS
MAP

FIGURE 5, POST-EXCAVATION LAYOUT AND
CONTOURS MAP

FIGURE 6, CONFIRMATORY SOIL SAMPLES: LOCATION
MAP

FIGURE 7, CONFIRMATORY SOIL SAMPLES: LOCATION
MAP

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Screening Limits		EW-E6-a	EW-E6-b	EB-E6	EW-E7-a	EB-E7	EW-E8-a	EW-E8-b
		HSRA Threshold Levels	TCLP Hazardous Levels*	Soil grab	Soil grab	Soil grab	Soil grab	Soil grab	Soil grab	Soil grab
Collection Date:										
Sample Depth in Feet:										
Units		mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS										
Benzene Result		0.02		0.13(J)	0.029	BDL	1.2	0.19(J)	0.013(J)	BDL
Benzene Detection Limit				0.25	0.025	0.005	0.5	0.5	0.025	0.005
Ethylbenzene		20		8	0.41	BDL	47	7.7	0.031	BDL
Toluene		14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes		20		20	0.13	BDL	150	8.2	0.1	BDL
TPH		*		1500	11	BDL	4300	920	BDL	BDL
RCRA METALS										
Barium		500		12	12	14	15	10	11	13
Cadmium		39		1.3	1.2	BDL	BDL	BDL	BDL	BDL
Chromium		1200		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead		300		15	22	BDL	6.2	BDL	BDL	BDL
PAHs										
1-Methylnaphthalene	**			7.8	BDL	BDL	21	6.9	BDL	BDL
2-Methylnaphthalene	**			11	BDL	BDL	31	9.6	BDL	BDL
Naphthalene	100			4.9	BDL	BDL	17	3.9	BDL	BDL
Phenanthrene	110			BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCBs/PESTICIDES										
PCB-1254		1.55		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin		0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDD		0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDE		0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
TCLP METALS										
Barium			100	BDL	1	BDL	BDL	BDL	BDL	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID:	Screening Limits		EB-E8	EW-F5	EB-F5	EB-F5-X	EB-F6	EB-F7	EB-F8
Media	HSRA	TCLP	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Type:	Threshold	Hazardous	grab	grab	grab	grab	grab	grab	grab
	Levels	Levels*							
Collection Date:			02/26/98	02/26/98	02/26/98	02/26/98	02/26/98	02/26/98	02/26/98
Sample Depth in Feet:			5.8	3.07	6.64	6.64	8.32	7.7	6.04
Units	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS									
Benzene Result	0.02		0.12(J)	0.013(J)	0.014(J)	0.14(J)	0.17(J)	1.4	1.4(J)
Benzene Detection Limit			0.25	0.025	0.025	0.25	0.5	0.5	2.5
Ethylbenzene	20		3.3	BDL	BDL	BDL	0.57	20	18
Toluene	14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	20		9.5	BDL	0.064	4.6	22	11	62
TPH	*		2000	BDL	62	35	820	3100	1100
RCRA METALS									
Barium	500		11	10	11	11	11	10	13
Cadmium	39		0.6	0.9	BDL	BDL	BDL	0.9	BDL
Chromium	1200		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	300		15	18	BDL	5.5	BDL	23	7.2
PAHs									
1-Methylnaphthalene	**		13	BDL	0.48	BDL	5	15	5.5
2-Methylnaphthalene	**		5.8	BDL	BDL	BDL	6.9	25	BDL
Naphthalene	100		BDL	BDL	BDL	BDL	2.5	14	BDL
Phenanthrene	110		BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCBs/PESTICIDES									
PCB-1254	1.55		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDDD	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDE	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
TCLP METALS									
Barium		100	1.1	1.2	1	1.1	BDL	BDL	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Collection Date: Sample Depth in Feet: Units	Screening Limits		EW-G5-a Soil grab	EW-G5-b Soil grab	EB-G5 Soil grab	EB-G6 Soil grab	EB-G7 Soil grab	EB-G8 Soil grab	EB-G8-X Soil grab
			HSRA Threshold Levels	TCLP Hazardous Levels*							
			mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS											
Benzene Result			0.02		0.0028(J)	0.0078	BDL	0.4(J)	BDL	0.47(J)	0.68
Benzene Detection Limit					0.005	0.005	0.025	0.5	1.3	1.3	0.5
Ethylbenzene			20		0.011	0.021	BDL	6.7	1.3	10	6
Toluene			14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes			20		0.021	BDL	BDL	12	39	4.8	1.8
TPH			*		BDL	16	12	620	1700	2100	2100
RCRA METALS											
Barium			500		9.5	10	8.1	9.7	11	13	13
Cadmium			39		BDL	1	0.6	0.6	BDL	BDL	BDL
Chromium			1200		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead			300		BDL	16	BDL	15	12	BDL	BDL
PAHs											
1-Methylnaphthalene			**		BDL	BDL	BDL	6.2	10	10	7.6
2-Methylnaphthalene			**		BDL	BDL	BDL	9.2	15	9.5	3.6
Naphthalene			100		BDL	BDL	BDL	4.8	7.4	BDL	BDL
Phenanthrene			110		BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCBs/PESTICIDES											
PCB-1254			1.55		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin			0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDD			0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDE			0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
TCLP METALS											
Barium				100	1	1.1	BDL	1.1	BDL	1.1	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media Sample Type:	Screening Limits		EB-H5 Soil grab	EB-H6 Soil grab	EB-H7 Soil grab	EB-H8 Soil grab	EB-I5 Soil grab	EB-I5-X Soil grab	EB-I6 Soil grab
	HSRA Threshold Levels	TCLP Hazardous Levels*							
Collection Date:									
Sample Depth in Feet:									
Units	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS									
Benzene Result	0.02		1.1(J)	0.96(J)	0.43(J)	BDL	BDL	BDL	BDL
Benzene Detection Limit			2.5	2.5	0.5	2.5	0.005	0.005	2.5
Ethylbenzene	20		19	12	9	9	BDL	BDL	BDL
Toluene	14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	20		25	16	9.3	38	BDL	BDL	29
TPH	*		1900	1600	1200	990	BDL	BDL	6500
RCRA METALS									
Barium	500		6.5	10	14	15	6.8	6.8	11
Cadmium	39		0.9	BDL	BDL	1	BDL	0.9	BDL
Chromium	1200		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	300		16	BDL	BDL	20	BDL	13	BDL
PAHS									
1-Methylnaphthalene	**		8.6	8.3	6.4	5.5	BDL	BDL	30
2-Methylnaphthalene	**		12	11	8.7	7.5	BDL	BDL	39
Naphthalene	100		8.4	4.5	5.5	4.5	BDL	BDL	14
Phenanthrene	110		BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCBs/PESTICIDES									
PCB-1254	1.55		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDD	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDE	0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
TCLP METALS									
Barium		100	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Collection Date:	Sample Depth in Feet:	Units	Screening Limits		EB-I7	EB-I8	EW-H4	EW-I4-a	EW-I4-b	EB-L8	EW-L8-b
					HSRA Threshold Levels	TCLP Hazardous Levels*							
					mg/kg	mg/L	02/26/98	02/26/98	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98
					mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS													
Benzene Result					0.02		0.56(J)	BDL	BDL	BDL	BDL	BDL	2.9
Benzene Detection Limit							2.5	2.5	0.01	1	0.005	2.5	1.3
Ethylbenzene					20		13	5.1	BDL	BDL	BDL	11	23
Toluene					14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes					20		34	BDL	BDL	BDL	BDL	51	100
TPH					*		2200	840	BDL	1504	BDL	4000	13,000
RCRA METALS													
Barium					500		8.1	9.4	7.8	7.1	9.2	10	12
Cadmium					39		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium					1200		BDL	BDL	BDL	BDL	9.4	BDL	BDL
Lead					300		BDL	BDL	5.6	8.9	5.1	BDL	11
PAHs													
1-Methylnaphthalene					**		11	5.2	BDL	7.7	BDL	11	40
2-Methylnaphthalene					**		15	7.2	BDL	11	BDL	16	50
Naphthalene					100		10	4.4	BDL	8.4	BDL	9.5	BDL
Phenanthrene					110		BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCBs/PESTICIDES													
PCB-1254					1.55		BDL	BDL	BDL	BDL	BDL	BDL	0.081
Dieldrin					0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDD					0.66		BDL	BDL	0.0076	0.0043	0.0085	BDL	BDL
4,4-DDE					0.66		BDL	BDL	0.0075	0.0032	0.0064	BDL	BDL
TCLP METALS													
Barium						100	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Collection Date:	Sample Depth in Feet:	Units	Screening Limits		EW-L8-a	EB-L7	EW-L7	EB-L6	EW-L6	EW-L6-X	EB-L5
					HSRA Threshold Levels	TCLP Hazardous Levels*							
					mg/kg	mg/L	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98
					mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS													
Benzene Result					0.02		BDL	5	0.0059	2.5	BDL	BDL	1.2
Benzene Detection Limit							0.005	1.3	0.005	1.3	0.005	0.005	0.25
Ethylbenzene					20		BDL	37	BDL	23	BDL	BDL	9.4
Toluene					14.4		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes					20		BDL	29	BDL	2.3	BDL	BDL	0.96
TPH					*		1400	8900	BDL	2800	BDL	BDL	12,000
RCRA METALS													
Barium					500		14	13	9.4	11	10	13	9.9
Cadmium					39		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium					1200		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead					300		BDL	16	BDL	BDL	BDL	BDL	9.7
PAHs													
1-Methylnaphthalene					**		BDL	15	BDL	7.2	BDL	BDL	35
2-Methylnaphthalene					**		BDL	21	BDL	11	BDL	BDL	47
Naphthalene					100		BDL	14	BDL	7.3	BDL	BDL	36
Phenanthrene					110		BDL	BDL	BDL	0.55	BDL	BDL	BDL
PCBs/PESTICIDES													
PCB-1254					1.55		BDL	0.026	BDL	BDL	BDL	BDL	BDL
Dieldrin					0.66		BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDD					0.66		BDL	BDL	BDL	BDL	BDL	BDL	0.015
4,4-DDDE					0.66		BDL	BDL	BDL	BDL	BDL	BDL	0.024
TCLP METALS													
Barium						100	BDL	BDL	BDL	BDL	BDL	BDL	1.1

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Collection Date: Sample Depth in Feet: Units	Screening Limits		EW-L5-a		EW-L4		EB-K8		EB-K7		EB-K6		EB-K5	
			HSRA Threshold Levels	TCLP Hazardous Levels*	Soil grab	mg/kg	Soil grab	mg/kg	Soil grab	mg/kg	Soil grab	mg/kg	Soil grab	mg/kg	Soil grab	mg/kg
			mg/kg	mg/L	03/03/98	2.49	03/03/98	2.29	03/03/98	7.05	03/03/98	8.11	03/03/98	8.25	03/03/98	4.94
VOCs/PETROLEUM HYDROCARBONS																
Benzene Result			0.02													
Benzene Detection Limit																
Ethylbenzene			20													
Toluene			14.4													
Xylenes			20													
TPH			*													
RCRA METALS																
Barium			500													
Cadmium			39													
Chromium			1200													
Lead			300													
PAHs																
1-Methylnaphthalene			**													
2-Methylnaphthalene			**													
Naphthalene			100													
Phenanthrene			110													
PCBs/PESTICIDES																
PCB-1254			1.55													
Dieldrin			0.66													
4,4-DDD			0.66													
4,4-DDE			0.66													
TCLP METALS																
Barium				100												

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID:	Screening Limits	EB-K4	EW-K4	EW-K4-X	EB-H4	EB-I4	EB-J8	EB-J7
Media	HSRA	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Type:	Threshold Levels	grab	grab	grab	grab	grab	grab	grab
Collection Date:	TCLP Hazardous Levels*	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98	03/03/98
Sample Depth in Feet:		5.68	2.5	2.5	5.5	6.18	7.32	8.33
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS								
Benzene Result	0.02	0.93	BDL	BDL	BDL	BDL	1.3	3.4
Benzene Detection Limit		0.5	0.025	0.025	0.01	0.005	1.3	1.3
Ethylbenzene	20	13	BDL	BDL	BDL	BDL	13	26
Toluene	14.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	20	BDL	BDL	BDL	BDL	BDL	BDL	1.4
TPH	*	3700	290	69	19	BDL	1600	4400
RCRA METALS								
Barium	500	15	8.1	15	7.8	7.2	21	13
Cadmium	39	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium	1200	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	300	49	16	53	BDL	BDL	BDL	6.4
PAHS								
1-Methylnaphthalene	**	26	BDL	BDL	BDL	BDL	2.4	9.5
2-Methylnaphthalene	**	22	BDL	BDL	BDL	BDL	0.56	8.1
Naphthalene	100	11	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	110	BDL	BDL	BDL	BDL	BDL	0.4	BDL
PCBs/PESTICIDES								
PCB-1254	1.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.66	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4-DDDD	0.66	BDL	0.0035	0.0042	BDL	BDL	BDL	BDL
4,4-DDDE	0.66	0.0045	BDL	BDL	BDL	BDL	BDL	BDL
TCLP METALS								
Barium	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID: Media	Sample Type:	Collection Date:	Sample Depth in Feet:	Units	Screening Limits		EB-J6	EB-J5	EB-J4	EW-J4	EB-E7-S-QA
					HSRA Threshold Levels	TCLP Hazardous Levels*	Soil grab	Soil grab	Soil grab	Soil grab	Soil grab
					mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs/PETROLEUM HYDROCARBONS											
Benzene Result					0.02		3.9	0.016	0.01	BDL	
Benzene Detection Limit							1.3	0.005	0.005	0.005	
Ethylbenzene					20		32	BDL	BDL	BDL	
Toluene					14.4		BDL	BDL	BDL	BDL	
Xylenes					20		28	BDL	BDL	BDL	
TPH					*		7200	36	13	10	2590
RCRA METALS											
Barium					500		13	7.9	10	9.4	
Cadmium					39		BDL	BDL	BDL	BDL	
Chromium					1200		BDL	BDL	BDL	BDL	
Lead					300		6.3	5.8	10	BDL	
PAHs											
1-Methylnaphthalene					**		25	BDL	BDL	BDL	
2-Methylnaphthalene					**		27	BDL	BDL	BDL	
Naphthalene					100		11	BDL	BDL	BDL	
Phenanthrene					110		BDL	BDL	BDL	BDL	
PCBs/PESTICIDES											
PCB-1254					1.55		BDL	BDL	BDL	BDL	
Dieldrin					0.66		BDL	BDL	BDL	BDL	
4,4-DDDD					0.66		BDL	0.009	0.0063	0.011	
4,4-DDDE					0.66		BDL	0.015	BDL	0.0043	
TCLP METALS											
Barium						100	BDL	BDL	BDL	BDL	

Table 1: Results of Confirmatory Soil Sampling Conducted at HAAF Fire Training Area (HAA-01)

Sample ID:	EB-J6-S-QA		
Media	Screening Limits	TCLP	Soil
Sample Type:	HSRA	Hazardous	grab
	Threshold	Levels*	
Collection Date:			03/03/98
Sample Depth in Feet:			7.89
Units	mg/kg	mg/L	mg/kg
VOCs/PETROLEUM HYDROCARBONS			
Benzene Result	0.02		
Benzene Detection Limit			
Ethylbenzene	20		
Toluene	14.4		
Xylenes	20		
TPH	*		10,700
RCRA METALS			
Barium	500		
Cadmium	39		
Chromium	1200		
Lead	300		
PAHs			
1-Methylnaphthalene	**		
2-Methylnaphthalene	**		
Naphthalene	100		
Phenanthrene	110		
PCBs/PESTICIDES			
PCB-1254	1.55		
Dieldrin	0.66		
4,4-DDD	0.66		
4,4-DDE	0.66		
TCLP METALS			
Barium		100	

Footnotes:

BDL -- Below Detection Limit

VOC -- Volatile Organic Compound

RCRA -- Resource Conservation and Recovery Act

PAH -- Polynuclear Aromatic Hydrocarbon

PCB -- Polychlorinated Biphenyl

HSRA -- Hazardous Site Response Act

TCLP -- Toxicity Characteristic Leaching Procedure, 40 CFR sec. 260

"J" flagged benzene values that have been reported for this project were calculated for benzene hits below the reporting limit. When benzene was present, this value was multiplied by the appropriate correction factor, taking into account the weight of the sample analyzed and the dilution factor.

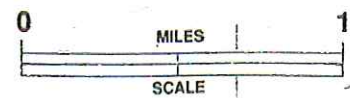
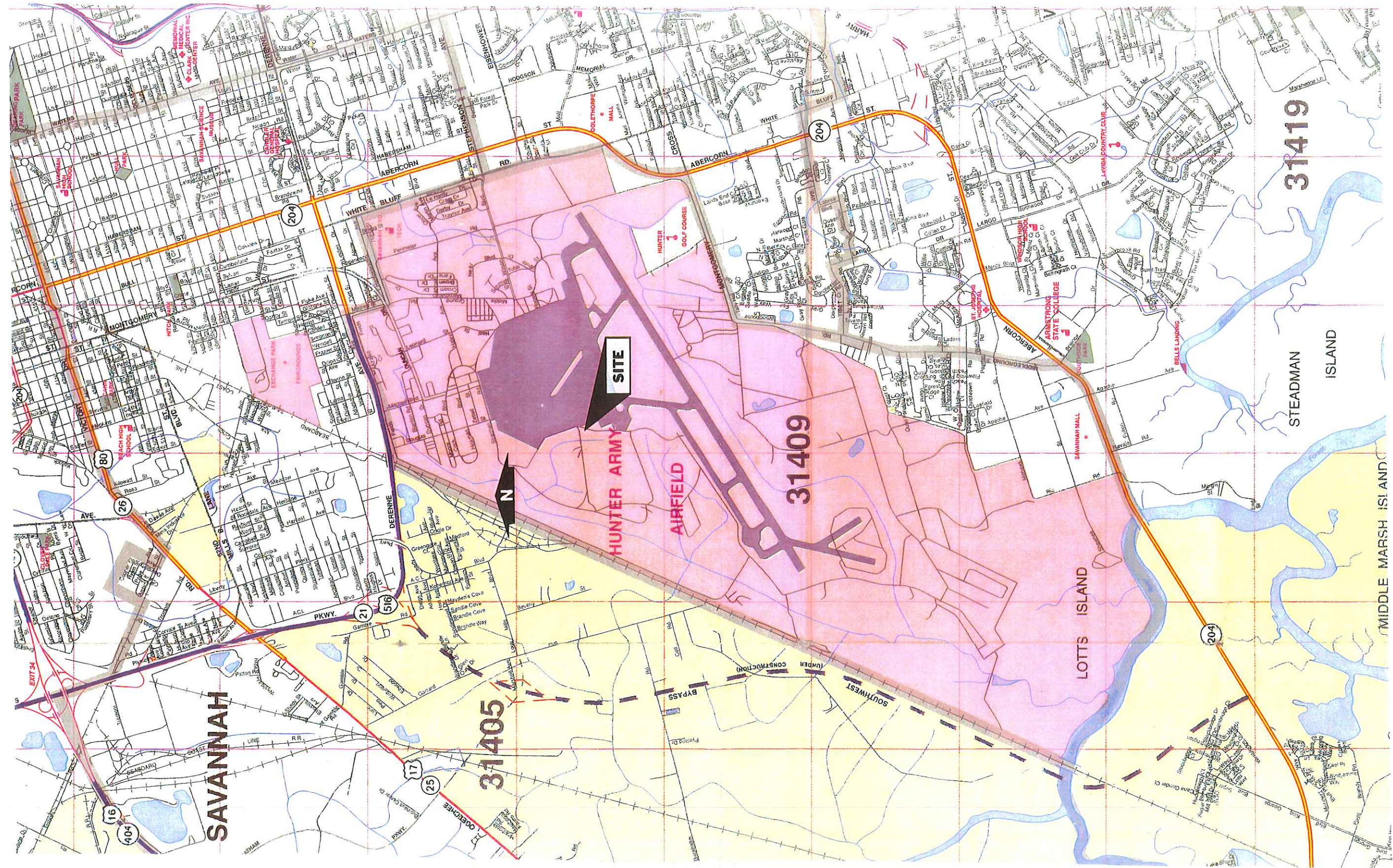
HSRA Thresholds correspond to levels presented in "Regulated Substances and Soil Concentrations that Trigger Notification," Appendix I of Georgia's Rules for Hazardous Site Response, Chapter 391-3-19. Results exceeding HSRA Thresholds are present in bold and italicized print in Table 1.

TCLP Hazardous Levels correspond to the maximum regulatory level for concentrations of contaminants using the TCLP Method presented in 40 CFR sec. 261.24.

*HSRA does not list a specific regulatory limit or threshold for TPH. However, the Georgia Environmental Protection Division (EPD) sometimes 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 mg/kg as indicative of free product.

**HSRA does not list specific regulatory limits for these constituents. However, releases of these constituents may be regulated by HSRA or 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.

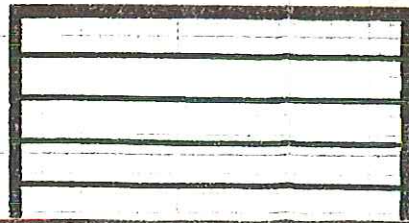
The confirmatory soil samples presented in Table 1 were submitted to the primary lab in six shipments (approximately 10 to 15 samples per shipping cooler). Each of the six shipping coolers contained one trip blank and one Quality Control (QC) sample. The trip blank laboratory reports were all BDL. The QC samples were designated with an "X" after the respective duplicate/split sample identification (i.e., EB-F5 and EB-F5-X). Other duplicate/split samples were submitted as Quality Assurance (QA) samples to the U.S. Army Corps of Engineers laboratory. The QA samples were designated with a "QA" after the respective duplicate/split sample identification (i.e., EB-E7 and EB-E7-S-QA).



G-13


Geosciences Inc.

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



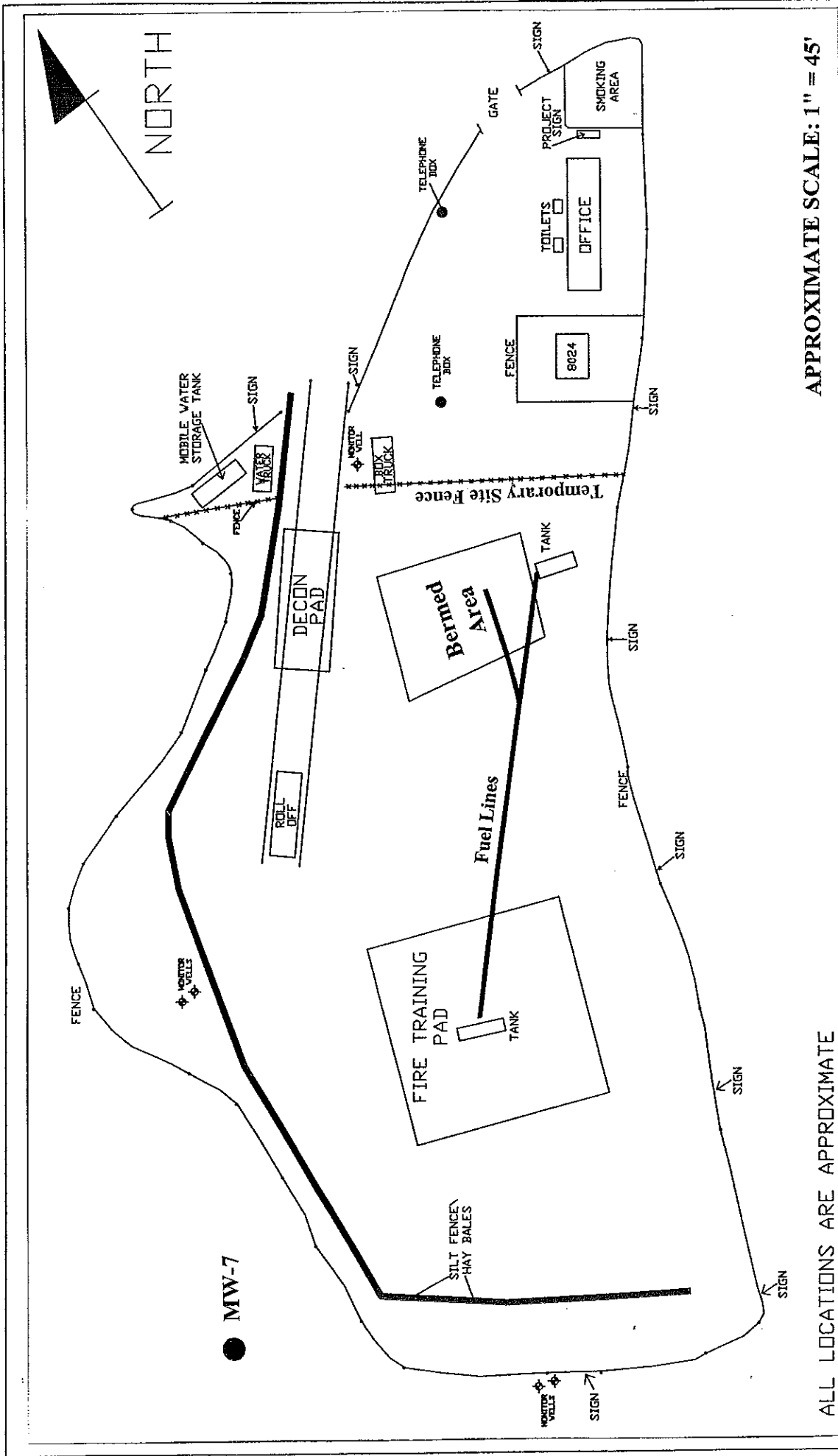


Figure 3
 Site Map (Prior to Soil RA being conducted)
 HAAF Fire Training Area (HAA-01)
 HAAF, Georgia
 Contract No. DACA21-97-C-0042

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APPENDIX II

CONFIRMATORY SOIL SAMPLE LABORATORY
REPORTS

VOLUME I OF VI



ACCURA ANALYTICAL LABORATORY, INC.
Environmental Analytical Services
CHAIN OF CUSTODY

5017 Financial Drive, Norcross, GA 30071-2925
Phone # (770) 449-8800 Fax # (770) 449-5477

IA 09673

Company Name: Amega Environmental Services, Inc.
Address: 4461 Perimeter Rd. Suite B, Tucker, GA 30084
Contact Name: Geosciences Inc / Travis Sheppard
Contact Phone # (404) 257-1606 Fax # (404) 257-1608
Project Name: Heater AHE Fire Training Area
Client Project # DACA 21-97-C-0542
Client P.O. # _____

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

ANALYSIS REQUESTED

Samplers: (signature)		Samplers: (printed)					No. of Containers	ANALYSIS REQUESTED							Remarks	AAL#: AB
Station #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Station Location:		TCLP Metals	RCRA Metals	PAHs	BTEX	Organochlorine	Pesticides	PCBs	TPH (DRO)	

EW-E6-a	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38319	
EW-E6-b	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38320	
EB-E6	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38321	
EW-E7-a	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38322	
EB-E7	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38323	
EW-E8-a	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38324	
EW-E8-b	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38325	
EB-E8	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38326	
EW-E8	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38327	
EB-E8	2/26/98						3	✓	✓	✓	✓	✓	✓	✓	✓	38328	

Reinspected By:

Date / Time

Received By:

Date / Time

Special Requirements Or Remarks:

Reinspected By:

Date / Time

Received At Laboratory By:

Date / Time

Turnaround Time Required:

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

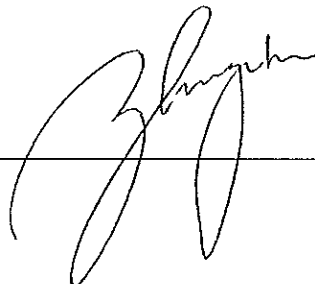
Project Number: 15782

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

The "J" flagged benzene values that have been reported for this project were calculated in the following manner:

The dilution data was checked for Benzene hits below the reporting limit. When Benzene was present, this value was multiplied by the appropriate correction factor, taking into account the weight of sample analyzed and the dilution factor.

Analyst

A handwritten signature in black ink, appearing to be "B. Hughes", is written over a horizontal line.

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

CASE NARRATIVE for Project Number: 15782-Revision
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, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EW-E6-B	EW-E7-A			
Ethyl benzene -	EW-E6-A	EW-E6-B	EW-E7-A	EB-E7	EW-E8-A
	EB-E8				
Xylenes -	EW-E6-A	EW-E6-B	EW-E7-A	EB-E7	EW-E8-A
	EB-E8	EB-F5	EB-F5-X		

PAH - SW-846-8270B

EW-E6-A	EW-E7-A	EB-E7	EB-E8
---------	---------	-------	-------

DRO - SW-846-8015

EW-E6-A	EW-E7-A	EB-E7	EB-E8
---------	---------	-------	-------

2. The following samples required dilution due to matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EW-E6-A	EB-E7	EW-E8-A	EB-E8	EW-F5	EB-F5
	EB-F5-X					
Ethyl benzene -	EW-F5	EB-F5	EB-F5-X			
Toluene -	EW-E6-A	EW-E6-B	EW-E7-A	EB-E7	EW-E8-A	EB-E8
	EW-F5	EB-F5	EB-F5-X			
Xylenes -	EW-F5					

PAH - SW-846-8270B

EW-E6-A	EW-E7-A	EB-E7	EB-E8
---------	---------	-------	-------

3. 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			

4. 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-846-8081A & 8082

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

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

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

PAH - SW-846-8270B

EW-E7-A

DRO - SW-846-8015B

EW-E6-A EW-E7-A EB-E7

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

Pest/PCB - SW-846-8081A & 8082

EW-E7-A EW-F5 EB-F5-X

7. 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-E8-B

The results for this sample should be considered estimated.

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

EW-E6-A
EB-F5

EW-E6-B
EB-F5-X

EW-E7-A

EB-E7

EB-E8

9. The Benzene hits for the following samples were below the reporting limit and have been "J" flagged, indicating that they are estimated values:

BTEX - SW-846-8260A

EW-E6-A

EB-E7

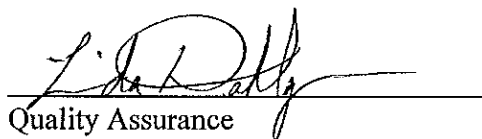
EW-E8-A

EB-E8

EW-F5

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E6-A

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	130 J	250
Ethyl benzene	8,000	250
Toluene	<RDL	250
Xylenes	20,000	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

84

0

Tetrachloro-m-xylene

52

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

112

0

4-Bromofluorobenzene

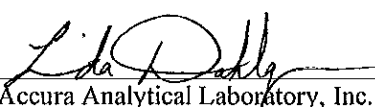
137

0

Toluene-d8

103

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E6-B

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

80

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

117

0

Tetrachloro-m-xylene

88

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/6/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

112

0

4-Bromofluorobenzene

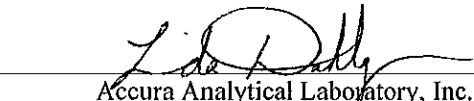
147

0

Toluene-d8

108

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E6

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

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

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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: 5030B/8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E7-A

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/13/98 Date Analyzed: 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	See narrative	0
p-Terphenyl-d14	See narrative	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

81

0

Tetrachloro-m-xylene

79

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

109

0

4-Bromofluorobenzene


178

0

Toluene-d8

96

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E7

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	190 J	500
Ethyl benzene	7,700	500
Toluene	<RDL	500
Xylenes	8,200	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

83

0

Tetrachloro-m-xylene

71

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

113

0

4-Bromofluorobenzene

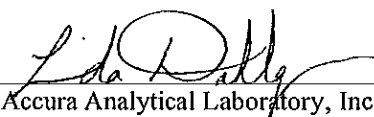
134

0

Toluene-d8

98

0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E8-A

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	13 J	25
Ethyl benzene	31	25
Toluene	<RDL	25
Xylenes	100	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

73

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

99

0

Tetrachloro-m-xylene

59

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

105

0

4-Bromofluorobenzene

118

0

Toluene-d8

102

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-E8-B

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

73

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

103

0

Tetrachloro-m-xylene

86

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/6/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

115

0

4-Bromofluorobenzene

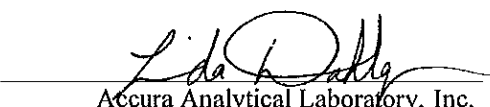
139

0

Toluene-d8

121

0


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SC Certification # 98015

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-E8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	120 J	250
Ethyl benzene	3,300	250
Toluene	<RDL	250
Xylenes	9,500	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

96

0

Tetrachloro-m-xylene

57

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

112

0

4-Bromofluorobenzene

164

0

Toluene-d8

105

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-F5

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	13 J	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	<RDL	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

71

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

107

0

Tetrachloro-m-xylene

79

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

111

0

4-Bromofluorobenzene

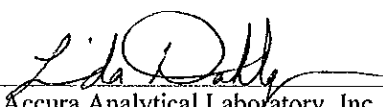
132

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-F5

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	14 J	25
Ethyl benzene	<RDL	25
Toluene	<RDL	25
Xylenes	64	25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

78

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

82

0

Tetrachloro-m-xylene

72

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/5/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

108

0

4-Bromofluorobenzene

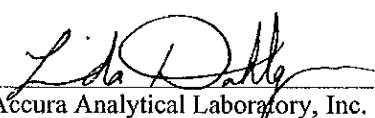
132

0

Toluene-d8

115

0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-F5-X

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/5/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	140 J	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	4,600	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/14/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/13/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

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

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

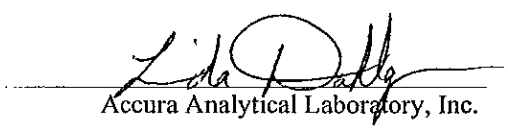
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	100	0
Tetrachloro-m-xylene	94	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: I-TB

ANALYSIS: VOC's

Method Ref: 5030B/8260B

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

Date Analyzed: 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)

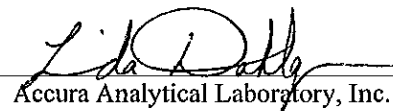
Method Ref: 5030B/8260B

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

Date Analyzed: 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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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/3/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

77

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/10/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

94

0

Tetrachloro-m-xylene

82

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

103

0

4-Bromofluorobenzene

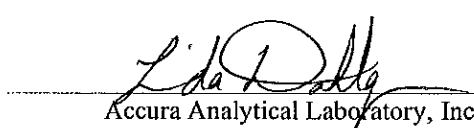
113

0

Toluene-d8

104

0


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NC Certification # 483

SC Certification # 98015

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030B/8260B

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

Date Analyzed: 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: 5030B/8260B

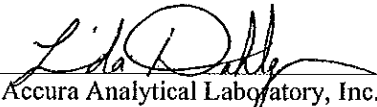
Date Ext/Dig/Prep: 3/3/98

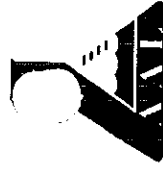
3/3/98

Date Analyzed: 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

12-21

IIA

6017 Financial Drive, Norcross, GA 30071
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
Report Sent to: (Client Contact): Environces Inc. / Travis Sheppard
Contact Phone # (912) 757-1606 Fax # (912) 757-1608
Project Name: Hunter AAF Fire Training Area
Project Number: DACA 21-97-E-0042

Billing address:
Client P.O. #

For Laboratory Use Only
Custody Seal: Y N Page: OF 2
QC Level: N 1 2 3 4 Init Temp: 20.4°C
Sample Condition: GOOD AAL Lab Project #: 15785

Samplers: (signature)		Samplers: (printed)		No. of Containers				Sample Location:	Sample Date / Time	Sample ID #	Remarks	Accura Sample ID No. AB	
Relinquished By:	Relinquished By:	Received By:	Received By:	Comp	Grab	Matrix	Preserved						
		2/26/98	2/26/98							EB-F6		38255	
											EB-F7		38250
											EW-F8		
											EB-F8		
											EW-G5-a		38257
											EW-G5-b		38258
											EB-G5		38259
											EB-G6		38260
		2/26/98	2/26/98							EB-G7		38261	
											EB-G8		38262
Relinquished By:		Received By:		Date / Time				Special Requirements Or Remarks:				38263	
		Brittany Wade		2/26/98				2/27/98 9:50am					
Relinquished By:		Received By:		Date / Time				Turnaround Time Requested:					



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

III A

3919

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

CHAIN OF CUSTODY

Company Name: Omega Environmental Services, Inc.
Address: 4601 Hammer Mill Rd Suite B Tucker GA 30084
Report Sent to: (Client Contact): Exercises, Inc. / Travis Sheppard
Contact Phone # (812) 254-1616 Fax # (812) 257-1608
Project Name: Harrier AAF Fire Training Area
Project Number: DACA 21-97-C-0042

Billing address:

Client P.O. #

For Laboratory Use Only			
Custody Seal:	Y	N	Page
QC Level:	N	1 2 3 4	Init/Temp: <u>20W40C</u>
Sample Condition:	<u>GOOD</u>		
AAL Lab Project # <u>15785</u>			

Samplers: (signature)		Samplers: (printed)				Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	Remarks	Accura Sample ID No. AB
		Travis Sheppard													
ANALYSIS															
TCLP Metals															
PCB Metals															
PAHs															
PTX															
Organics															
PCBs															
TPH (mg)															

Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Foods) (M = Miscellaneous)

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6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

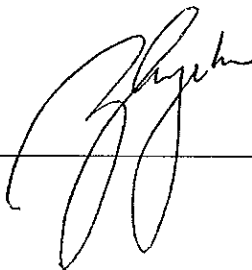
Project Number: 15785

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

The "J" flagged benzene values that have been reported for this project were calculated in the following manner:

The dilution data was checked for Benzene hits below the reporting limit. When Benzene was present, this value was multiplied by the appropriate correction factor, taking into account the weight of sample analyzed and the dilution factor.

Analyst

A handwritten signature in black ink, appearing to read "R. J. Smith", is written over a horizontal line.

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

CASE NARRATIVE for Project Number: 15785-Revision
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, resulting in elevated detection limits:

BTEX - SW-846-8260A

Ethyl benzene -	EB-H5	EB-H6	EB-H7	EB-H8	EB-I7	EB-I8
Xylenes -	EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7

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
-------	-------	-------	-------	-------	-------	-------

2. The following samples required dilution due to matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7	EB-I8
Ethyl benzene -	EB-I6						
Toluene -	EB-H5	EB-H6	EB-H7	EB-H8	EB-I6	EB-I7	EB-I8
Xylenes -	EB-I8						

PAH - SW-846-8270B

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

3. 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
-------	-------	-------	-------	-------	-------	-------

4. 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.
5. One surrogate was outside the method specified limits for the following sample due to matrix interference:

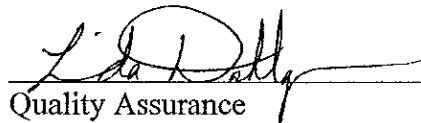
BTEX - SW-846-8260A
EB-I5-X

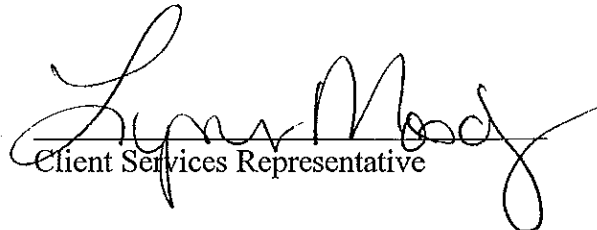
6. The Benzene hits for the following samples were below the reporting limit and have been "J" flagged, indicating that they are estimated values:

BTEX - SW-846-8260A
EB-H5 EB-H6 EB-H7 EB-I7

7. The report for the following sample has been modified to reflect a lower detection limit for Benzene:

BTEX - SW-846-8260A
EB-H7


Quality Assurance


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 #: AB38243

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: 9/18/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H5

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,100 J	2500
Ethyl benzene	19,000	2500
Toluene	<RDL	2500
Xylenes	25,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,900	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 3/2/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	6.5	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: SW846 8270

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

Date Analyzed: 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: 3550B/8082

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

Date Analyzed: 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: 3550B/8081A

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

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

90

0

Tetrachloro-m-xylene

74

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

80

0

4-Bromofluorobenzene

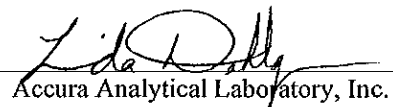
106

0

Toluene-d8

99

0


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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H6

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	960 J	2500
Ethyl benzene	12,000	2500
Toluene	<RDL	2500
Xylenes	16,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

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

Date Analyzed: 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: 3550B/8081A

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

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	82	0
Nitrobenzene-d5	51	0
p-Terphenyl-d14	95	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

80

0

Tetrachloro-m-xylene

66

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

87

0

4-Bromofluorobenzene

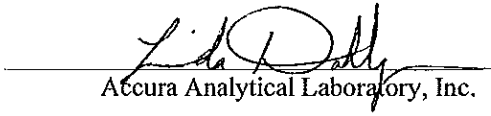
106

0

Toluene-d8

104

0


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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38245

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H7

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	430 J	500
Ethyl benzene	9,000	2500
Toluene	<RDL	2500
Xylenes	9,300	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	1,200	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

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

Date Analyzed: 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: 3550B/8081A

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

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

92

0

Tetrachloro-m-xylene

76

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

85

0

4-Bromofluorobenzene

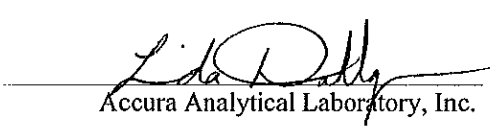
100

0

Toluene-d8

99

0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-H8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

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

Date Analyzed: 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: 3550B/8081A

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

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

83

0

Tetrachloro-m-xylene

75

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

93

0

4-Bromofluorobenzene

108

0

Toluene-d8

107

0


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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38247

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I5

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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	<RDL	0.5
Chromium	<RDL	5
Lead	<RDL	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

84

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

86

0

Tetrachloro-m-xylene

90

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

89

0

4-Bromofluorobenzene

119

0

Toluene-d8

110

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I5-X

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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

Method Ref: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 3/4/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	66	0
Nitrobenzene-d5	60	0
p-Terphenyl-d14	87	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

75

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

93

0

Tetrachloro-m-xylene

89

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

90

0

4-Bromofluorobenzene

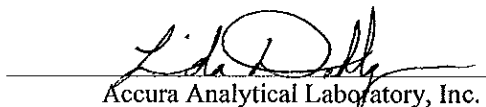
122

0

Toluene-d8

110

0


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NC Certification # 483

SC Certification # 98015

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: III-TB

ANALYSIS: VOC's

Method Ref: 5030B/8260B

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

Date Analyzed: 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: 5030B/8260B

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

Date Analyzed: 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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NC Certification # 483

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I6

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

77

0

Tetrachloro-m-xylene

72

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I7

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	560 J	2500
Ethyl benzene	13,000	2500
Toluene	<RDL	2500
Xylenes	34,000	2500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

73

0

Tetrachloro-m-xylene

62

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

89

0

4-Bromofluorobenzene

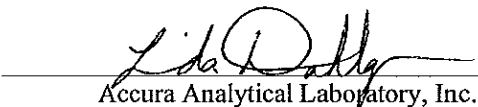
110

0

Toluene-d8

103

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-I8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/7/98

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

94

0

Tetrachloro-m-xylene

76

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/6/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

87

0

4-Bromofluorobenzene

111

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 #: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

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

Date Analyzed: 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: 3550B/8081A

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

Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/2/98 Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/4/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

66

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

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

Date Analyzed: 3/4/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

98

0

Tetrachloro-m-xylene

82

0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

Date Analyzed: 3/3/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

90

0

4-Bromofluorobenzene


93

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 #: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030B/8260B

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

Date Analyzed: 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)

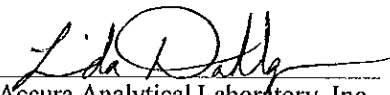
Method Ref: 5030B/8260B

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

Date Analyzed: 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
CHAIN OF CUSTODY

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

IV A

13926

Company Name: Greco Environmental Services, Inc.
Address: 4661 Hammermill Rd Suite B Tucker GA 30084
Billing address: _____
Report Sent to: (Client Contact): Greco Services Inc. Travis Sheppard
Contact Phone # (912) 957-1606 Fax # (912) 957-1608
Project Name: Hunter AHF Fire Training Area
Project Number: DACA21-97-C-0042
Client P.O. # _____

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	TEL Metals	RCRA Metals	PAHs	PTX	Organochlorine	Pesticides	PCBs	TPH/DRO				
EW-H4	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38571		
EW-I4-a	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38572		
EW-I4-b	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38573		
EB-L8	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38574		
EW-L8-b	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38575		
EW-L8-a	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38576		
EB-L7	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38577		
EW-L7	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38578		
EB-L6	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38579		
EW-L6	3/3/98	1	5				3	✓	✓	✓	✓	✓	✓	✓	✓		38580		
Relinquished By:		Date / Time		Received By:		Date / Time		Special Requirements Or Remarks:								Turnaround Time Requested:			
3-3-98		3-3-98		3-4-98		3-4-98 10:00													

Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (G = Cartridge) (SL = Shallow) (A = Air Sample) (F = Fume) (AT = Microbiological)

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

CASE NARRATIVE for Project Number: 15821-Revision
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, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EW-L8-B	EB-L7	EB-L6	
Ethyl benzene -	EB-L8	EW-L8-B	EB-L7	EB-L6
Toluene -				
Xylenes -	EB-L8	EW-L8-B	EB-L7	EB-L6

PAH - SW-846-8270B

EB-L6

DRO - SW-846-8015

EW-I4-A	EB-L8	EW-L8-B	EW-L8-A	EB-L7	EB-L6
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2. The following samples required dilution due to matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EW-H4	EW-I4-A	EB-L8		
Ethyl benzene -	EW-H4	EW-I4-A	EW-I4-B	EW-L6	EW-L6-X
Toluene -	EW-H4	EW-I4-A	EW-I4-B	EB-L8	EW-L8-B
	EB-L7	EB-L6	EW-L6	EW-L6-X	
Xylenes -	EW-H4	EW-I4-A	EW-I4-B	EW-L6	EW-L6-X

PAH - SW-846-8270B

EW-I4-A	EB-L8	EW-L8-B	EB-L7
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3. 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		

4. 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.

5. 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

6. 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

7. 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 this sample should not be effected.

8. The DRO hit in the following sample appears to be a light hydrocarbon such as kerosene:

EW-I4-A

9. 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

10. The DRO hit in the following sample appears to be a heavy hydrocarbon such as an oil:

EW-L8-A

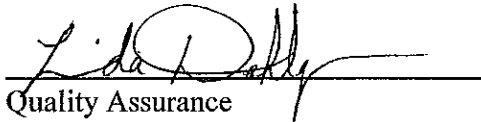
11. The reports for the following samples have been modified to reflect lower detection limits for Benzene:

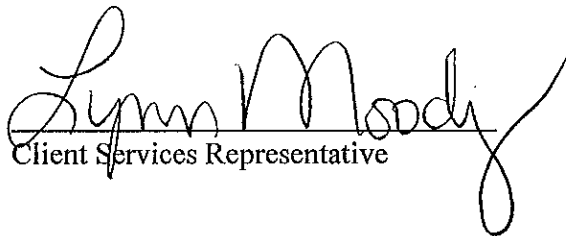
BTEX - SW-846-8260A

EW-I4-B

EW-L6

EW-L6-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 #: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-H4

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	87	0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 3/9/98 Result Units: %

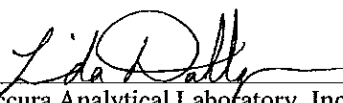
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	89	0
Tetrachloro-m-xylene	46	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-I4-A

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 3/9/98 Result Units: %

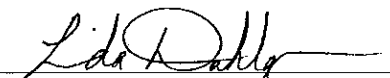
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	103	0
Tetrachloro-m-xylene	76	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-I4-B

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

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

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/13/98 Date Analyzed: 3/9/98 Result Units: %

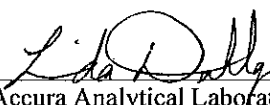
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	121	0
Tetrachloro-m-xylene	69	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	20

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

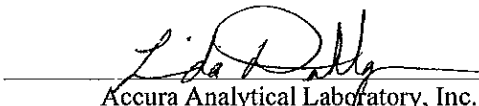
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	74	0
Tetrachloro-m-xylene	94	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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FL Certification # E87429

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L8-B

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 3/10/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	2,900	1300
Ethyl benzene	23,000	1300
Toluene	<RDL	1300
Xylenes	100,000	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98

Date Analyzed: 3/10/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	13,000	1000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 3/6/98

Result Units: mg/Kg

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

ANALYSIS: PAH's

Method Ref: SW846 8270

Date Ext/Dig/Prep: 3/13/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/13/98 Date Analyzed: 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
p-Terphenyl-d14

See narrative 0
See narrative 0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

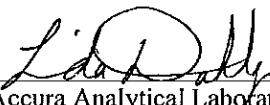
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	16	0
Tetrachloro-m-xylene	56	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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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SC Certification # 98015

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L8-A

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

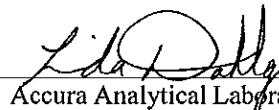
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	70	0
Tetrachloro-m-xylene	86	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L7

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/12/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

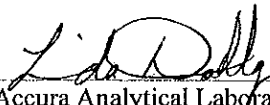
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	26	0
Tetrachloro-m-xylene	104	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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FL Certification # E87429

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L7

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	79	0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

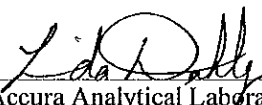
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	78	0
Tetrachloro-m-xylene	71	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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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SC Certification # 98015

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EB-L6

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

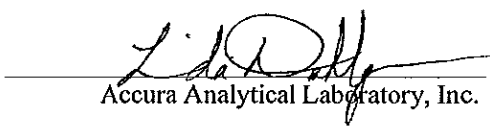
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	56	0
Tetrachloro-m-xylene	96	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L6

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	82	0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

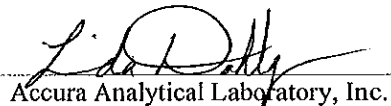
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	74	0
Tetrachloro-m-xylene	64	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

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

USACE-MRD Approved

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: EW-L6-X

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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	10
Toluene	<RDL	10
Xylenes	<RDL	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/11/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	68	0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/9/98 Result Units: %

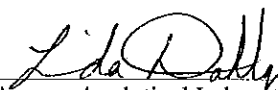
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	85	0
Tetrachloro-m-xylene	57	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: IV-TB

ANALYSIS: VOC's

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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)

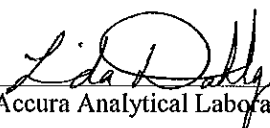
Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

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

Date Analyzed: 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: 3550B/8015B

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

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

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

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/9/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/10/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

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

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

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/11/98 Date Analyzed: 3/9/98 Result Units: %

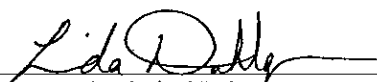
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	94	0
Tetrachloro-m-xylene	72	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260B

Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 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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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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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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 #: AB38585

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: WATER

Client Sample ID: TRIP BLANK

ANALYSIS: VOC's

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 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


Accura Analytical Laboratory, Inc.



ACCURA ANALYTICAL LABORATORY, INC.

IV H 13928

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: 4661 Hammermill Rd, Suite B Tucker, GA 30084

Client P.O. #

Report Sent to: (Client Contact): Gessies, Inc. / Travis Sheppard

Contact Phone # (912) 757-1606 Fax # (912) 757-1608

Project Name: Hunter AAF Fire Training Area

Project Number: DHA21-97-E-0042

Custody Seal		Y	N	Page	1	OF	2
QC Level		N	1	2	3	4	IntTemp
Sample Condition		6000			940C		
Sample Condition		6000			AAL Lab Project # 15822		

Sample ID #				Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	Remarks	Accura Sample ID No. AB											
EB-L5													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38546
EW-L5-b													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38547
EW-L5-a													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38548
EW-L4													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38549
EB-K8													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38550
EB-K7													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38551
EB-K6													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38552
EB-K5													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38553
EB-K4													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38554
EW-K4													3	✓	✓	✓	✓	✓	✓	✓	✓	✓	38555

Refiniquished By:		Date / Time	Received By:	Date / Time	Special Requirements Or Remarks:
3/3/98		3/3/98	Qin Lick	3/4/98 10:00	
Retiniquished By:		Date / Time	Received By:	Date / Time	Turnaround Time Requested:

Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Food) (M = Miscellaneous)



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

IVB 13929

CHAIN OF CUSTODY

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

Company Name: Mega Environmental Services, Inc.

Billing address:

Address:

4601 Hamm Mill Rd. Suite B Tucker GA 30084

Client P.O. #

Report Sent to: (Client Contact):

Greenview Inc / Travis Shepard

Contact Phone #:

(412) 257-6666

Fax #:

(412) 257-1608

Project Name:

Hunter HAF Fire Training Area

Project Number:

DAEA21-97-C-0042

For Laboratory Use Only			
Custody Seal:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Page <u>2</u> OF <u>2</u>
QC Level:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Int/Temp: <u>9.40C</u>
Sample Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AAI Lab Project # <u>15823</u>

Samples: (signature)

Samples: (printed)

Travis Shepard

Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers	Remarks	Accura Sample ID No. AB
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EW-K4-X	3/3/98						3		3056
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Y-7B	3/3/98			W			2	-TIP Blank Not present upon arrival clean in analysis	3857
------	--------	--	--	---	--	--	---	---	------

Relinquished By:

Date / Time

Received By:

Date / Time

Special Requirements Or Remarks:

Relinquished By:

Date / Time

Received By:

Date / Time

Turnaround Time Requested:

Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Foods) (M = Miscellaneous)

COC97-2.XLS

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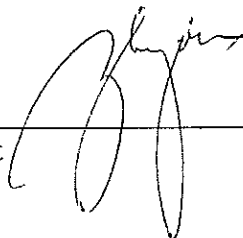
Project Number: 15822

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

The "J" flagged benzene values that have been reported for this project were calculated in the following manner:

The dilution data was checked for Benzene hits below the reporting limit. When Benzene was present, this value was multiplied by the appropriate correction factor, taking into account the weight of sample analyzed and the dilution factor.

Analyst

A handwritten signature in black ink, appearing to be "J. H. Jones", is written over a horizontal line. The signature is stylized with large loops and a long horizontal stroke at the end.

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

CASE NARRATIVE for Project Number: 15822-Revision
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, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EB-L5	EW-L5-A	EB-K8	EB-K7	EB-K6	EB-K4
Ethyl benzene -	EB-L5	EW-L5-A	EB-K8	EB-K7	EB-K6	EB-K4
Toluene -	EB-K7	EB-K6				
Xylenes -	EB-L5	EB-K8	EB-K7	EB-K6		

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

EB-L5	EW-L5-A	EW-L4	EB-K8	EB-K7	EB-K6	EB-K5
EB-K4	EW-K4					

2. The following samples required dilution due to matrix interference, resulting in elevated detection limits:

BTEX - SW-846-8260A

Benzene -	EW-L5-B	EW-L4	EB-K5	EW-K4	EW-K4-X	
Ethyl benzene -	EW-L5-B	EW-L4	EB-K5	EW-K4	EW-K4-X	
Toluene -	EW-L5-B	EW-L5-A	EW-L4	EB-K8	EB-K5	EB-K4
	EW-K4	EW-K4-X				
Xylenes -	EW-L5-B	EW-L5-A	EW-L4	EB-K5	EB-K4	EW-K4
	EW-K4-X					

PAH - SW-846-8270B

EB-L5	EW-L5-B	EW-L5-A	EW-L4	EB-K8	EB-K7	EB-K6
EB-K5	EB-K4	EW-K4	EW-K4-X			

3. The detection limits of the following samples were elevated due to matrix interference:

Pest/PCB - SW-846-8081/2

EB-L5	EW-L5-B	EW-L5-A	EW-L4	EB-K8	EB-K7	EB-K6
EB-K5	EB-K4					

4. One surrogate was outside the method specified limit for the following samples:

BTEX - SW-846-8260A

4-Bromofluorobenzene -	EB-L5	EW-L5-A	EW-L4	EB-K8	EB-K7	
	EB-K6	EB-K5	EB-K4	EW-K4	EW-K4-X	

Pest/PCB - SW-846-8081/2

Decachlorobiphenyl - EW-L5-B EB-K7 EW-K4 EW-K4-X

PAH - SW-846-8270B

Nitrobenzene - EW-L5-B EB-K8 EB-K4

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

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

EB-L5 EW-L5-A EW-L4 EB-K8 EB-K7 EB-K6 EB-K5
EB-K4

PAH - SW-846-8270B

EB-5 EW-L5-A EB-K7

6. The DRO hits in the following samples appear to be light hydrocarbons such as kerosene:

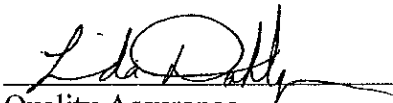
EB-L5 EW-L5-A EW-L4 EB-K5 EB-K4 EW-K4 EW-K4-X

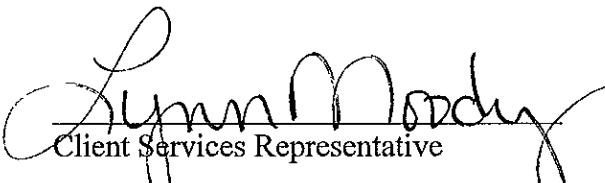
7. The DRO hit in sample EW-L5-B appears to be a heavy hydrocarbon such as motor oil.

8. 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

9. Benzene hits below the reporting limit have been "J" flagged, indicating that they are estimated values.


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 #: AB38546

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-L5

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	1,200	250
Ethyl benzene	9,400	250
Toluene	<RDL	250
Xylenes	960	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	12,000	2000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	9.9	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	9.7	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	35,000	6600
2-Methylnaphthalene	47,000	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	36,000	6600
Phenanthrene	<RDL	6600
Pyrene	<RDL	6600

ANALYSIS: PCB's

Method Ref: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	15	2
4,4'-DDE	24	2
4,4'-DDT	<RDL	10
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	4
Endrin aldehyde	<RDL	2
gamma-BHC	<RDL	2
Heptachlor	<RDL	2
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	10
Total Chlordane (Technical)	<RDL	40
Toxaphene	<RDL	60

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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)	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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 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	See narrative	0
p-Terphenyl-d14	See narrative	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

51

0

Tetrachloro-m-xylene

77

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

106

0

4-Bromofluorobenzene

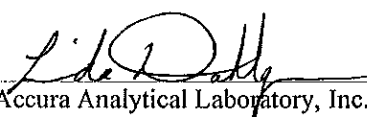
200

0

Toluene-d8

111

0


Accura Analytical Laboratory, Inc.

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 #: AB38547

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-L5-B

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	60 J	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	25	10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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	4
4,4'-DDT	<RDL	40
Aldrin	<RDL	2
alpha-BHC	<RDL	2
alpha-Endosulfan	<RDL	2
beta-BHC	<RDL	2
beta-Endosulfan	<RDL	2
delta-BHC	<RDL	2

Dieldrin	10	2
Endosulfan sulfate	<RDL	4
Endrin	<RDL	4
Endrin aldehyde	<RDL	4
gamma-BHC	<RDL	2
Heptachlor	<RDL	20
Heptachlor epoxide	<RDL	2
Methoxychlor	<RDL	200
Total Chlordane (Technical)	<RDL	20
Toxaphene	<RDL	60

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	54	0
Nitrobenzene-d5	18	0
p-Terphenyl-d14	62	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

98

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

163

0

Tetrachloro-m-xylene

94

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

100

0

4-Bromofluorobenzene

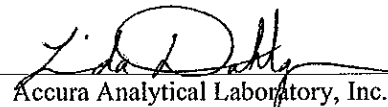
108

0

Toluene-d8

99

0


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SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38548

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-L5-A

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	450	250
Ethyl benzene	1,500	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	2,800	200

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	12	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	16	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: SW846 8270

Date Ext/Dig/Prep: 3/22/98

Date Analyzed: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	15,000	6600
2-Methylnaphthalene	<RDL	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	<RDL	6600
Phenanthrene	<RDL	6600
Pyrene	<RDL	6600

ANALYSIS: PCB's

Method Ref: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	6.2	2
4,4'-DDE	9.5	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	4
Endrin	<RDL	2
Endrin aldehyde	<RDL	4
gamma-BHC	<RDL	4
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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/22/98 Date Analyzed: 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	See narrative	0
p-Terphenyl-d14	See narrative	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

62

0

Tetrachloro-m-xylene

97

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

109

0

4-Bromofluorobenzene

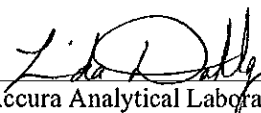
165

0

Toluene-d8

108

0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB38549

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-L4

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	100 J	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	11,000	2000

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 3/6/98

Result Units: mg/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Arsenic	<RDL	5
Barium	8.9	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	10	5
Selenium	<RDL	5
Silver	<RDL	5

ANALYSIS: PAH's

Method Ref: SW846 8270

Date Ext/Dig/Prep: 3/22/98

Date Analyzed: 3/20/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1-Methylnaphthalene	8,200	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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: ug/Kg

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
4,4'-DDD	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

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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/22/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0
Nitrobenzene-d5	119	0
p-Terphenyl-d14	70	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

111

0

4-Bromofluorobenzene

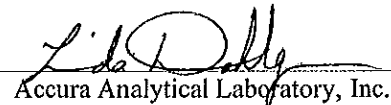
215

0

Toluene-d8

116

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K8

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/22/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/22/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

49

0

Tetrachloro-m-xylene

88

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

117

0

4-Bromofluorobenzene

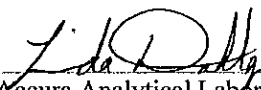
141

0

Toluene-d8

100

0


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SC Certification # 98015

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K7

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/22/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/22/98 Date Analyzed: 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	See narrative	0
p-Terphenyl-d14	See narrative	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

27

0

Tetrachloro-m-xylene

98

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

119

0

4-Bromofluorobenzene

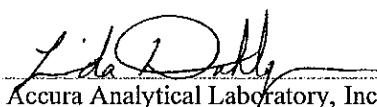
159

0

Toluene-d8

101

0


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SC Certification # 98015

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K6

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/22/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/22/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

49

0

Tetrachloro-m-xylene

88

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

112

0

4-Bromofluorobenzene

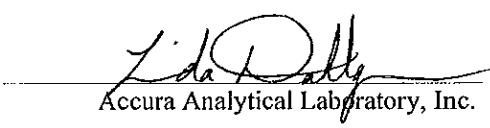
138

0

Toluene-d8

91

0


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SC Certification # 98015

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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: 9/22/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K5

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Benzene	89 J	250
Ethyl benzene	<RDL	250
Toluene	<RDL	250
Xylenes	<RDL	250

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 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 DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

51

0

Tetrachloro-m-xylene

103

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

106

0

4-Bromofluorobenzene

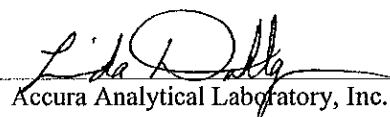
210

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 #: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EB-K4

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/16/98

Date Analyzed: 3/16/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	88	0
Nitrobenzene-d5	0	0
p-Terphenyl-d14	76	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

49

0

Tetrachloro-m-xylene

109

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/16/98

Date Analyzed: 3/16/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

87

0

4-Bromofluorobenzene

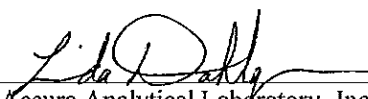
140

0

Toluene-d8

99

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-K4

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/16/98

Date Analyzed: 3/16/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	68	0
Nitrobenzene-d5	34	0
p-Terphenyl-d14	68	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/20/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

See narrative

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 3/12/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl

32

0

Tetrachloro-m-xylene

99

0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/16/98

Date Analyzed: 3/16/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

94

0

4-Bromofluorobenzene

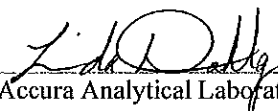
142

0

Toluene-d8

89

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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: EW-K4-X

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/17/98

Date Analyzed: 3/17/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/19/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/23/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/23/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	74	0
Nitrobenzene-d5	59	0
p-Terphenyl-d14	61	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/19/98

Date Analyzed: 3/19/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

o-Terphenyl

90

0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 5030B/8260B

Date Ext/Dig/Prep: 3/17/98

Date Analyzed: 3/17/98

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4

103

0

4-Bromofluorobenzene

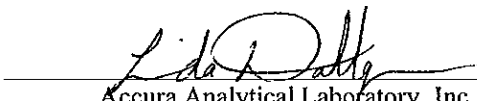
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0

Toluene-d8

109

0


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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING AREA

Sample Matrix: SOILS

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX by GC/MS

Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 3/11/98

Date Analyzed: 3/11/98

Result Units: ug/L

<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: 3550B/8015B

Date Ext/Dig/Prep: 3/19/98

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

Date Analyzed: 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: SW846 6010A

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

Date Analyzed: 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: SW846 8270

Date Ext/Dig/Prep: 3/21/98

Date Analyzed: 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: 3550B/8082

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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: 3550B/8081A

Date Ext/Dig/Prep: 3/14/98

Date Analyzed: 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 Ext/Dig/Prep: 3/5/98 Date Analyzed: 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 Ext/Dig/Prep: 3/6/98 Date Analyzed: 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 Ext/Dig/Prep: 3/11/98 Date Analyzed: 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 Base Neutral QC Surrogates (Soils)

Method Ref: 3550B/8270C

Date Ext/Dig/Prep: 3/21/98 Date Analyzed: 3/20/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
2-Fluorobiphenyl	64	0
Nitrobenzene-d5	57	0
p-Terphenyl-d14	74	0

ANALYSIS: X DRO QC Surrogates (Soil)

Method Ref: 3550B/8015B

Date Ext/Dig/Prep: 3/19/98 Date Analyzed: 3/19/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	92	0

ANALYSIS: X Pest/PCB QC Surrogates

Method Ref: 3580A/8081

Date Ext/Dig/Prep: 3/14/98 Date Analyzed: 3/12/98 Result Units: %

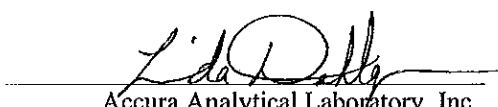
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	95	0
Tetrachloro-m-xylene	101	0

ANALYSIS: X VOC QC Surrogates (Waters)

Method Ref: 5030B/8260B

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	90	0
4-Bromofluorobenzene	110	0
Toluene-d8	102	0


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Environmental Analytical Services
CHAIN OF CUSTODY

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

VI A

13925

Company Name: Mega Environmental Services, Inc. Billing address: _____
Address: 4601 Hammermill Rd. Suite B Tucker GA 30084 Client P.O. # _____
Report Sent to: (Client Contact): Seaweed Inc / Travis Sheppard
Contact Phone # (404) 257-1400 Fax # (404) 257-1408
Project Name: Heater AAE fire Training Area
Project Number: MAEA 21-99-C-0042

Custody Seal: X N Page 2 OF 2
QC Level: N 1 2 3 4 Init Temp: 840C
Sample Condition: GOOD AAL Lab Project # 15823

For Laboratory Use Only

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			
EB-J8	3/3/98						3	✓✓✓✓✓✓✓✓		38560
EB-J7	3/3/98						3	✓✓✓✓✓✓✓✓		38561
EB-J6	3/3/98						3	✓✓✓✓✓✓✓✓		38562
EB-J5	3/3/98						3	✓✓✓✓✓✓✓✓		38563
EB-J4	3/3/98						3	✓✓✓✓✓✓✓✓		38564
EW-J4	3/3/98						3	✓✓✓✓✓✓✓✓		38565
EB-I8	3/3/98						3	✓✓✓✓✓✓✓✓		
EB-I7	3/3/98						3	✓✓✓✓✓✓✓✓		
EB-I6	3/3/98						3	✓✓✓✓✓✓✓✓		
Relinquished By: _____			Date / Time		Received By: _____		Date / Time		Special Requirements Or Remarks:	
Relinquished By: _____			Date / Time		Receiver: _____		Date / Time		Turnaround Time Requested:	

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

CASE NARRATIVE for Project Number: 15823
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

EB-J8	EB-J7	EB-J6	EB-H4
-------	-------	-------	-------

PAH - SW-846-8270B

EB-J7	EB-J6	EB-J5	EB-J4
-------	-------	-------	-------

DRO - SW-846-8015

EB-J8	EB-J7	EB-J6
-------	-------	-------

2. The following surrogate recoveries were outside the method specified limits due to matrix interference:

BTEX - SW-846-8260A

4-Bromofluorobenzene-	EB-J7	EB-J6	EB-J4	EW-J4
	EB-H4	EB-I4		

Toluene-d8	EB-J5	EW-J4	EB-H4	EB-I4
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1,2-Dichloroethane-d4	EB-H4
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3. One surrogate recovery was outside the method specified limits for following samples:

PAH - SW-846-8270B

Nitrobenzene-d5-	EB-J6	EB-J5	EB-J4
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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:

DRO - SW-846-8015

EB-J8	EB-J7	EB-J6
-------	-------	-------

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 EW-J4 EB-I4

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

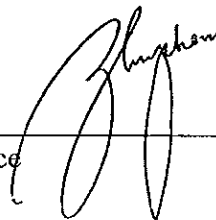
8. The DRO hits in the following samples appear to be a mixture of a light hydrocarbon such as a kerosene and a heavy hydrocarbon such as an oil:

EB-J8 EB-J6 EB-J5 EW-J4 EB-H4

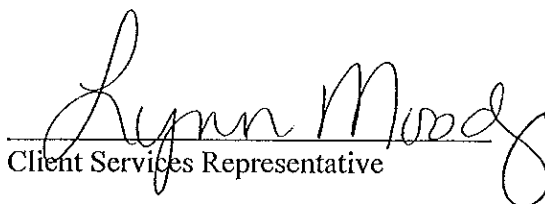
9. The DRO hit in the following sample appears to be a heavy hydrocarbon such as an oil:

EB-J4

Quality Assurance



Client Services Representative



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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura 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

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	1,300	1300
Ethyl benzene	13,000	1300
Toluene	<RDL	1300
Xylenes	<RDL	1300

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)	1,600	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	21	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	2,400	330
2-Methylnaphthalene	560	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	400	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	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: 3/7/98

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	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	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	See narrative	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	68	0

Nitrobenzene-d5	64	0
p-Terphenyl-d14	63	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: %

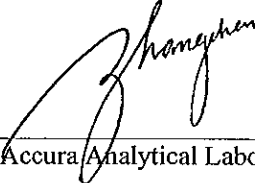
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	69	0
Tetrachloro-m-xylene	77	0

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	81	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 #: 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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
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

<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	6.4	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	9,500	3300
2-Methylnaphthalene	8,100	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: 3/7/98

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	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: 3/7/98

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	6
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	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: 3/15/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	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	74	0

Nitrobenzene-d5	89	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: 3/5/98 Result Units: %

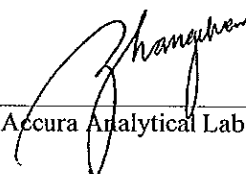
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	46	0
Tetrachloro-m-xylene	68	0

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	99	0
4-Bromofluorobenzene	123	0
Toluene-d8	108	0


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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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

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	3,900	1300
Ethyl benzene	32,000	1300
Toluene	<RDL	1300
Xylenes	28,000	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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	7,200	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	6.3	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	25,000	3300
2-Methylnaphthalene	27,000	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: 3/7/98

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	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: 3/5/98

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	6
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	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: 3/15/98 Date Ext/Dig/Prep: 3/12/98 Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
o-Terphenyl	See narrative	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	107	0

Nitrobenzene-d5	14	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: 3/5/98 Result Units: %

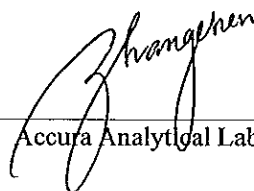
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	54	0
Tetrachloro-m-xylene	76	0

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	106	0
4-Bromofluorobenzene	133	0
Toluene-d8	110	0



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NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

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

Sample Matrix: SOIL

Client Sample ID: EB-J5

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	16	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550A/8015

Date Analyzed: 3/16/98

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)	36	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	7.9	5
Cadmium	<RDL	0.5
Chromium	<RDL	5
Lead	5.8	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	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: 3/7/98

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	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

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	82	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	63	0

Nitrobenzene-d5	10	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: 3/5/98 Result Units: %

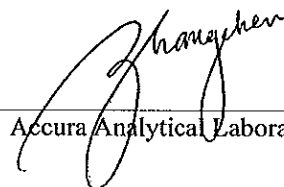
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	82	0
Tetrachloro-m-xylene	89	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	93	0
4-Bromofluorobenzene	114	0
Toluene-d8	140	0


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NC Certification # 483

SC Certification # 98015

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LABORATORY REPORT

Accura Sample ID #: AB38564

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-J4

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	10	5
Ethyl benzene	<RDL	5
Toluene	<RDL	5
Xylenes	<RDL	5

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Diesel Range Organics (DRO)	13	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	10	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	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: 3/7/98

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	6.3	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	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: 3/15/98 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	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	51	0

Nitrobenzene-d5	0	0
p-Terphenyl-d14	80	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: %

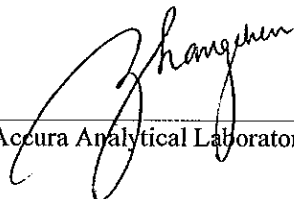
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	111	0
Tetrachloro-m-xylene	83	0

ANALYSIS: X VOC QC Surrogates (Soils)

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	104	0
4-Bromofluorobenzene	132	0
Toluene-d8	113	0


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SC Certification # 98015

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	64	0
p-Terphenyl-d14	77	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: %

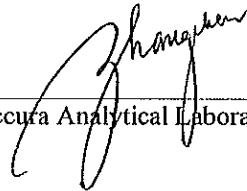
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	101	0
Tetrachloro-m-xylene	87	0

ANALYSIS: X VOC QC Surrogates (Soils)

Method Ref: 8260A

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

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,2-Dichloroethane-d4	97	0
4-Bromofluorobenzene	145	0
Toluene-d8	123	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)

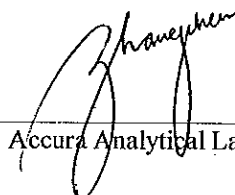
Method Ref: 8260A

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

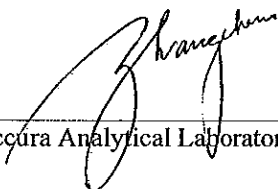
Analytical Results

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: %

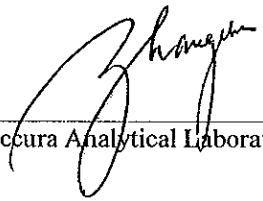
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	89	0
Tetrachloro-m-xylene	78	0

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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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	54	0
p-Terphenyl-d14	89	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: %

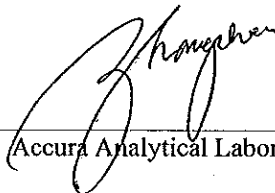
<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl	90	0
Tetrachloro-m-xylene	81	0

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	100	0
4-Bromofluorobenzene	109	0
Toluene-d8	101	0



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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

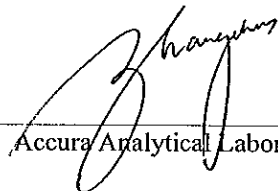
Toluene	<RDL	5
trans-1,2-Dichloroethene	<RDL	5
trans-1,3-Dichloropropene	<RDL	5
Trichloroethene	<RDL	5
Trichlorofluoromethane	<RDL	5
Vinyl acetate	<RDL	100
Vinyl chloride	<RDL	2
Xylenes (Total)	<RDL	5

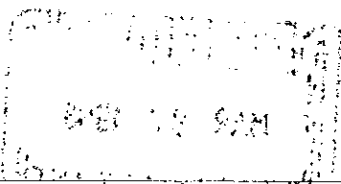
ANALYSIS: X VOC QC Surrogates (Waters)

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


 Accura Analytical Laboratory, Inc.





ACCURA ANALYTICAL LABORATORY, INC.

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: 4667 Hemmell Rd. Suite B Tucker GA 30084 Client P.O. #

Report Sent to: (Client Contact): Severino Lu / Lewis Sheppard

For Laboratory Use Only

Contact Phone # (404) 351-1416 Fax # (404) 351-1408

Page 2 OF 2

Project Name: Harbor ALE Fire Training Area

Int/Temp: 70N 49C

Project Number: DCHA 21-97-C-0042

Custody Seal: Y N
QC Level: N 1 2 3 4
Sample Condition: GOOD
AAL Lab Project #: 15784

Samplers: (signature)

Samplers: (printed)

Lewis Sheppard

Sample ID #	Sample Date / Time	Comp	Grab	Matrix	Preserved	Sample Location:	No. of Containers
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EB-58-X 2/26/98

II-TB 2/26/98

ANALYSIS									
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Remarks

Accura Sample ID No. AB

382104

382105

Relinquished By:

Date / Time

Received By:

Date / Time

Special Requirements Or Remarks:

Relinquished By:

Date / Time

Received By:

Date / Time

Turnaround Time Requested:

Matrix Guide: (S = Soil) (W = Water) (L = Liquid) (C = Cartridge) (SL = Sludge) (A = Air Sample) (F = Foods) (M = Miscellaneous)

LB 1300

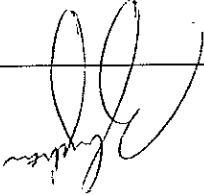
ACCURA ANALYTICAL LABORATORY, INC.
6017 Financial Drive, Norcross, Georgia, 30071, Phone (770) 449-8800

Project Number: 15784
Client Project: Hunter AAF Fire Training Area / DACA21-97-C-0042

The "J" flagged benzene values that have been reported for this project were calculated in the following manner:

The dilution data was checked for Benzene hits below the reporting limit. When Benzene was present, this value was multiplied by the appropriate correction factor, taking into account the weight of sample analyzed and the dilution factor.

Analyst



CASE NARRATIVE for Project Number: 15784-Revision
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, resulting in elevated detection limits:

<u>BTEX - SW-846-8020A</u>									
Benzene	-	EB-F7	EB-G8-X						
Ethyl benzene	-	EB-F6	EB-F7	EB-F8	EB-G6	EB-G7	EB-G8	EB-G8-X	
Xylenes	-	EB-F6	EB-F7	EB-F8	EB-G6	EB-G7	EB-G8	EB-G8-X	

<u>Diesel Range Organics (DRO) - SW-846-8015</u>							EB-F6	EB-F7	EB-F8	EB-G6	EB-G7	EB-G8	EB-G8-X
<u>PAH - SW-846-8270B</u>							EB-F6	EB-F7	EB-G6	EB-G7	EB-G8	EB-G8-X	

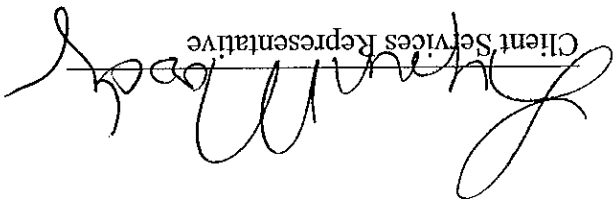
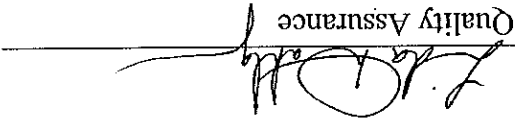
2. The following samples required dilution due to matrix interference, resulting in elevated detection limits:

<u>BTEX - SW-846-8020A</u>							
Benzene -	EB-F6	EB-F8	EB-G5	EB-G6	EB-G7	EB-G8	
Ethyl benzene -	EW-G5-A	EB-G5					
Toluene -	EB-F6	EB-F7	EB-F8	EW-G5-A	EB-G5	EB-G6	
Xylenes -	EW-G5-A	EB-G5	EB-G7	EB-G8	EB-G8-X		

PCB - SW-846-8082	EB-F7
Pesticides - SW-846-8081A	EB-F7

<u>PAH - SW-846-8270B</u>									
EB-F7	EB-F8	EB-G6	EB-G7	EB-G8	EB-GX-8				

3. The DRO hits in samples EB-F6, EB-F7, EB-F8, EB-G7, EB-G8 and EB-G8-X appear to be light hydrocarbons, such as kerosene. The DRO hit in sample EB-G5 appears to be a heavy hydrocarbon, such as an oil. The DRO hit in sample EW-G5-B appears to be a mixture of hydrocarbons that are heavier and lighter than diesel fuel.


 Client Services Representative

 Quality Assurance

4. 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
5. 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 result for this sample should be considered estimated.
6. 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
7. Benzene hits below the reporting limit have been "J" flagged, indicating that they are estimated values.

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LABORATORY REPORT

Accura Sample ID #: AB38255
Accura Project #: 15784
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-F6
Sample Matrix: SOIL
Date Sampled: 2/26/98
Date Received: 2/27/98
Date Reported: 9/16/98

ANALYSIS: BTEX by GC/MS
 Method Ref: 8260B
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/6/98
 Result Units: ug/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	170 J	500
Ethyl benzene	570	500
Toluene	<RDL	500
Xylenes	22,000	500

ANALYSIS: Diesel Range Organics (DRO)
 Method Ref: 3550B/8015B
 Date Ex/Dig/Prep: 3/5/98
 Date Analyzed: 3/5/98
 Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	820	100

ANALYSIS: Metals - Mercury - RCRA
 Method Ref: 7471A
 Date Ex/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA
 Method Ref: SW846 6010A
 Date Ex/Dig/Prep: 3/4/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

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

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides
 Date Ext/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8081A

Analyte Name	Analytical Results	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

ANALYSIS: PCB's
 Date Ext/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8082

Analyte Name	Analytical Results	Reported Detection Limits
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: PAH's
 Date Ext/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Result Units: ug/Kg
 Method Ref: SW846 8270

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	68	0
Nitrobenzene-d5	96	0
p-Terphenyl-d14	84	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ext/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C
 Result Units: %

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
 Date Ext/Dig/Prep: 3/5/98
 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B
 Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
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ANALYSIS: TCLP Mercury
 Date Ext/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Method Ref: 7470A
 Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ext/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Method Ref: 1311
 Result Units:

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

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ANALYSIS: X PRO QC Surrogates (Soil)			
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
o-Terphenyl	3/5/98	3/5/98	See narrative
Reported Detection Limits			0
ANALYSIS: X Pest/PCB QC Surrogates			
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
Decachlorobiphenyl	3/7/98	3/4/98	86
Tetrachloro-m-xylene			85
Reported Detection Limits			0
ANALYSIS: X VOC QC Surrogates (Soils)			
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
1,2-Dichloroethane-d4	3/6/98	3/6/98	101
4-Bromofluorobenzene			125
Toluene-d8			96
Reported Detection Limits			0

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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: DAC921-97-C-0042

Date Reported: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-F7

ANALYSIS: RTEX by GC/MS

Method Ref: 8260B

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

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Analyte Name	Analytical Results	Reported Detection Limits
Arsenic	<RDL	5
Barium	10	5
Cadmium	0.9	0.5
Chromium	<RDL	5
Lead	23	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-F7

Accura Project #: 15784

ANALYSIS: PAH's				ANALYSIS: PCB's				ANALYSIS: Pesticides			
Method Ref: SW846 8270				Method Ref: 3550B/8082				Method Ref: 3550B/8081A			
Date Ex/Dig/Prep:	3/6/98	Date Analyzed:	3/5/98	Date Ex/Dig/Prep:	3/7/98	Date Analyzed:	3/4/98	Date Ex/Dig/Prep:	3/7/98	Date Analyzed:	3/4/98
Analyte Name		Analytical Results	Reported Detection Limits	Analyte Name		Analytical Results	Reported Detection Limits	Analyte Name		Analytical Results	Reported Detection Limits
1-Methylnaphthalene		15,000	1700	PCB-1016		<RDL	20	4,4'-DDD		<RDL	2
2-Methylnaphthalene		25,000	6600	PCB-1221		<RDL	80	4,4'-DDE		<RDL	2
Acenaphthene		<RDL	1700	PCB-1232		<RDL	80	4,4'-DDT		<RDL	4
Acenaphthylene		<RDL	1700	PCB-1242		<RDL	20	Aldrin		<RDL	2
Benzo(a)anthracene		<RDL	1700	PCB-1248		<RDL	20	alpha-BHC		<RDL	2
Benzo(a)pyrene		<RDL	1700	PCB-1254		<RDL	20	alpha-Endosulfan		<RDL	2
Benzo(b)fluoranthene		<RDL	1700	Pyrene		<RDL	1700	beta-BHC		<RDL	2
Benzo(g,h,i)perylene		<RDL	1700	Phenanthrene		<RDL	1700	beta-Endosulfan		<RDL	2
Benzo(k)fluoranthene		<RDL	1700	Naphthalene		14,000	1700	delta-BHC		<RDL	2
Chrysene		<RDL	1700	Indeno(1,2,3-cd)pyrene		<RDL	1700				
Dibenzo(a,h)anthracene		<RDL	1700	Fluorene		<RDL	1700				
Fluoranthene		<RDL	1700	Fluoranthene		<RDL	1700				
Fluorene		<RDL	1700								

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	74	0
Nitrobenzene-d5	112	0
p-Terphenyl-d14	75	0

ANALYSIS: X Base Neutral OC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C
 Result Units: %

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
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B
 Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
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ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A
 Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311
 Result Units:

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

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

ANALYSIS: X VOC QC Surrogates (Soils)
 Date Extd/Dig/Prep: 3/6/98 Date Analyzed: 3/6/98
 Method Ref: 8260B Result Units: %

Analyte Name	Analytical Results	Reported Detection Limits
Decachlorobiphenyl	71	0
Tetrachloro-m-xylene	72	0

ANALYSIS: X Pest/PCB QC Surrogates
 Date Extd/Dig/Prep: 3/7/98 Date Analyzed: 3/4/98
 Method Ref: 3580A/8081 Result Units: %

Analyte Name	Analytical Results	Reported Detection Limits
o-Terphenyl	See narrative	0

ANALYSIS: X PRO QC Surrogates (Soil)
 Date Extd/Dig/Prep: 3/9/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8015B Result Units: %

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-F8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Benzene	3/5/98	3/5/98	ug/Kg	2500
Ethyl benzene				2500
Toluene				2500
Xylenes				2500

Analytical Results

1,400 J

18,000

<RDL

62,000

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Diesel Range Organics (DRO)	3/5/98	3/5/98	mg/Kg	100

Analytical Results

1,100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Mercury	3/2/98	3/2/98	mg/Kg	0.5

Analytical Results

<RDL

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Arsenic	3/4/98	3/2/98	mg/Kg	5
Barium				5
Cadmium				0.5
Chromium				5
Lead				5
Selenium				5
Silver				5

Analytical Results

<RDL

I3

<RDL

<RDL

7.2

<RDL

<RDL

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides
 Date Ex/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8081A

Analyte Name	Analytical Results	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

ANALYSIS: PCB's
 Date Ex/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8082

Analyte Name	Analytical Results	Reported Detection Limits
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: PAH's
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Result Units: ug/Kg
 Method Ref: SW846 8270

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	67	0
Nitrobenzene-d5	97	0
p-Terphenyl-d14	76	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C Result Units: %

Analyte Name	Analytical Results	Reported Detection Limits
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
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B Result Units: mg/L

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

ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A Result Units: mg/L

Analyte Name	Analytical Results	Reported Detection Limits
TCLP Extraction	NA	0

ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311 Result Units:

Analyte Name	Analytical Results	Reported Detection Limits
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

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ANALYSIS: X DRO QC Surrogates (Soil)			
Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units: %
o-Terphenyl	3/5/98	3/5/98	0
ANALYSIS: X Pest/PCB QC Surrogates			
Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units: %
Decachlorobiphenyl	3/7/98	3/4/98	0
Tetrachloro-m-xylene			0
ANALYSIS: X VOC QC Surrogates (Soils)			
Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units: %
1,2-Dichloroethane-d4	3/5/98	3/5/98	0
4-Bromofluorobenzene			0
Toluene-d8			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: 9/21/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EW-G5-A

ANALYSIS: BTX by GC/MS

Method Ref: 8260B

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	2.8 J	5
Ethyl benzene	11	10
Toluene	<RDL	10
Xylenes	21	10

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

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

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<RDL = Less than Reported Detection Limit

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Client Sample ID: EW-G5-A

AALSample ID #: AB38258 Accura Project #: 15784

ANALYSIS: PAH's				ANALYSIS: PCB's				ANALYSIS: Pesticides			
Method Ref: SW846 8270				Method Ref: 3550B/8082				Method Ref: 3550B/8081A			
Date Ex/Dig/Prep: 3/7/98				Date Ex/Dig/Prep: 3/7/98				Date Ex/Dig/Prep: 3/7/98			
Date Analyzed: 3/5/98				Date Analyzed: 3/4/98				Date Analyzed: 3/4/98			
Result Units: ug/Kg				Result Units: ug/Kg				Result Units: ug/Kg			
Analyte Name	Analytical Results	Reported Detection Limits		Analyte Name	Analytical Results	Reported Detection Limits		Analyte Name	Analytical Results	Reported Detection Limits	
1-Methylnaphthalene	<RDL	330		1-Methylnaphthalene	<RDL	330		4,4'-DDD	<RDL	2	
2-Methylnaphthalene	<RDL	330		2-Methylnaphthalene	<RDL	330		4,4'-DDE	<RDL	2	
Acenaphthene	<RDL	330		Acenaphthene	<RDL	330		4,4'-DDT	<RDL	2	
Acenaphthylene	<RDL	330		Acenaphthylene	<RDL	330		Aldrin	<RDL	2	
Anthracene	<RDL	330		Anthracene	<RDL	330		alpha-BHC	<RDL	2	
Benzo(a)anthracene	<RDL	330		Benzo(a)anthracene	<RDL	330		alpha-Endosulfan	<RDL	2	
Benzo(a)pyrene	<RDL	330		Benzo(a)pyrene	<RDL	330		beta-BHC	<RDL	2	
Benzo(b)fluoranthene	<RDL	330		Benzo(b)fluoranthene	<RDL	330		beta-Endosulfan	<RDL	2	
Benzo(g,h,i)perylene	<RDL	330		Benzo(g,h,i)perylene	<RDL	330		delta-BHC	<RDL	2	
Benzo(k)fluoranthene	<RDL	330		Benzo(k)fluoranthene	<RDL	330					
Chrysene	<RDL	330		Chrysene	<RDL	330					
Dibenzo(a,h)anthracene	<RDL	330		Dibenzo(a,h)anthracene	<RDL	330					
Fluoranthene	<RDL	330		Fluoranthene	<RDL	330					
Fluorene	<RDL	330		Fluorene	<RDL	330					
Indeno(1,2,3-cd)pyrene	<RDL	330		Indeno(1,2,3-cd)pyrene	<RDL	330					
Naphthalene	<RDL	330		Naphthalene	<RDL	330					
Phenanthrene	<RDL	330		Phenanthrene	<RDL	330					
Pyrene	<RDL	330		Pyrene	<RDL	330					
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					

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	64	0
Nitrobenzene-d5	46	0
p-Terphenyl-d14	78	0

ANALYSIS: X Base Neutral OC Surrogates (Soils)
 Date Ext/Dig/Prep: 3/7/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C

Analyte Name	Analytical Results	Reported Detection Limits
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: TCLP Metals
 Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B

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

ANALYSIS: TCLP Mercury
 Date Ext/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A

Analyte Name	Analytical Results	Reported Detection Limits
TCLP Extraction	NA	0

ANALYSIS: TCLP Extraction Procedure
 Date Ext/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311

Analyte Name	Analytical Results	Reported Detection Limits
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 DRO QC Surrogates (Soil)			
Analyte Name	Date Extdig/Prep:	Date Analyzed:	Result Units: %
o-Terphenyl	3/9/98	3/5/98	89
Decachlorobiphenyl	3/7/98	3/4/98	82
Tetrachloro-m-xylene	3/6/98	3/6/98	103
1,2-Dichloroethane-d4			115
4-Bromofluorobenzene			140
Toluene-d8			0
Reported Detection Limits			0
ANALYSIS: X VOC QC Surrogates (Soils)			
Analyte Name	Date Extdig/Prep:	Date Analyzed:	Result Units: %
Method Ref: 3550B/8015B			
Method Ref: 3580A/8081			
Reported Detection Limits			
ANALYSIS: X Pest/PCB QC Surrogates			
Analyte Name	Date Extdig/Prep:	Date Analyzed:	Result Units: %
Method Ref: 8260B			
Reported Detection Limits			

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EW-G5-B

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Benzene	3/6/98	3/6/98	ug/Kg	
Ethyl benzene				
Toluene				
Xylenes				

7.8
21
<RDL
<RDL
5
5
5

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Diesel Range Organics (DRO)	3/9/98	3/5/98	mg/Kg	

16
10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Mercury	3/2/98	3/2/98	mg/Kg	

<RDL
0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	Reported Detection Limits
Arsenic	3/4/98	3/2/98	mg/Kg	
Barium				
Cadmium				
Chromium				
Lead				
Selenium				
Silver				

<RDL
10
5
0.5
<RDL
16
<RDL
5
5
5

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<RDL = Less than Reported Detection Limit

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Client Sample ID: EW-G5-B

Accura Project #: 15784

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides
 Date Ex/Dir/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8081A

Analyte Name	Analytical Results	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

ANALYSIS: PCB's
 Date Ex/Dir/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8082

Analyte Name	Analytical Results	Reported Detection Limits
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: PAH's
 Date Ex/Dir/Prep: 3/7/98
 Date Analyzed: 3/5/98
 Result Units: ug/Kg
 Method Ref: SW846 8270

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	66	0
Nitrobenzene-d5	57	0
p-Terphenyl-d14	85	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/7/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C Result Units: %

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: TCLP Metals
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
---------------------------	------	-----

ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311 Result Units:

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

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ANALYSIS: X PRO QC Surrogates (Soil)			
Method Ref: 3550B/8015B	Date Ex/Dig/Prep: 3/9/98	Date Analyzed: 3/5/98	Result Units: %
Analyte Name	Analytical Results		
o-Terphenyl	81		
Reported Detection Limits			
0			
ANALYSIS: X Pest/PCB QC Surrogates			
Method Ref: 3580A/8081	Date Ex/Dig/Prep: 3/7/98	Date Analyzed: 3/4/98	Result Units: %
Analyte Name	Analytical Results		
Decachlorobiphenyl	97		
Tetrachloro-m-xylene	95		
Reported Detection Limits			
0			
ANALYSIS: X VOC QC Surrogates (Soils)			
Method Ref: 8260B	Date Ex/Dig/Prep: 3/6/98	Date Analyzed: 3/6/98	Result Units: %
Analyte Name	Analytical Results		
1,2-Dichloroethane-d4	106		
4-Bromofluorobenzene	140		
Toluene-d8	115		
Reported Detection Limits			
0			

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G5

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B
 Date Ex/Dig/Prep: 3/9/98
 Date Analyzed: 3/9/98
 Result Units: ug/Kg

Analyte Name Analytical Results Reported Detection Limits

Benzene <RDL 25
 Ethyl benzene <RDL 25
 Toluene <RDL 25
 Xylenes <RDL 25

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B
 Date Ex/Dig/Prep: 3/9/98
 Date Analyzed: 3/5/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Diesel Range Organics (DRO) 12 10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A
 Date Ex/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Mercury <RDL 0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A
 Date Ex/Dig/Prep: 3/4/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Arsenic <RDL 5
 Barium 8.1 5
 Cadmium 0.6 0.5
 Chromium <RDL 5
 Lead <RDL 5
 Selenium <RDL 5
 Silver <RDL 5

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides

Analyte Name	Analytical Results	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

ANALYSIS: PCB's

Analyte Name	Analytical Results	Reported Detection Limits
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: PARTS

ANALYSIS: PAH's	Method Ref: SW846 8270
Date Ext/Dig/Prep: 3/9/98	Date Analyzed: 3/5/98
Result Units: ug/Kg	

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	31	0
Nitrobenzene-d5	28	0
p-Terphenyl-d14	70	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/9/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C Result Units: %

Analyte Name	Analytical Results	Reported Detection Limits
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
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B Result Units: mg/L

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

ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A Result Units: mg/L

Analyte Name	Analytical Results	Reported Detection Limits
TCLP Extraction	NA	0

ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311 Result Units:

Analyte Name	Analytical Results	Reported Detection Limits
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 DRO QC Surrogates (Soil)

Analyte Name	Analytical Results	Reported Detection Limits
o-Terphenyl	89	0
Date Ext/Dig/Prep:	3/9/98	Date Analyzed: 3/5/98
Result Units:	%	
Method Ref:	3550B/8015B	

ANALYSIS: X Pest/PCB QC Surrogates

Analyte Name	Analytical Results	Reported Detection Limits
Decachlorobiphenyl	98	0
Tetrachloro-m-xylene	91	0
Date Ext/Dig/Prep:	3/7/98	Date Analyzed: 3/4/98
Result Units:	%	
Method Ref:	3580A/8081	

ANALYSIS: X VOC QC Surrogates (Soils)

Analyte Name	Analytical Results	Reported Detection Limits
1,2-Dichloroethane-d4	111	0
4-Bromofluorobenzene	130	0
Toluene-d8	115	0
Date Ext/Dig/Prep:	3/9/98	Date Analyzed: 3/9/98
Result Units:	%	
Method Ref:	8260B	

[Signature]
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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: DAC421-97-C-0042
 Date Reported: 9/16/98
 Client Project Name: HUNTER AAF FIRE TRAINING
 Sample Matrix: SOIL
 Client Sample ID: EB-G6

ANALYSIS: BTX by GC/MS

Method Ref: 8260B
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/6/98
 Result Units: ug/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	400 J	500
Ethyl benzene	6,700	500
Toluene	<RDL	500
Xylenes	12,000	500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Result Units: mg/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Diesel Range Organics (DRO)	620	100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A
 Date Ex/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg
 Reported Detection Limits

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A
 Date Ex/Dig/Prep: 3/4/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg
 Reported Detection Limits

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

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<RDL = Less than Reported Detection Limit

ANALYSIS: PAH's				ANALYSIS: PCB's				ANALYSIS: Pesticides			
Method Ref: SW846 8270				Method Ref: 3550B/8082				Method Ref: 3550B/8081A			
Date Ex/Dir/Prep: 3/6/98				Date Ex/Dir/Prep: 3/7/98				Date Ex/Dir/Prep: 3/7/98			
Date Analyzed: 3/5/98				Date Analyzed: 3/4/98				Date Analyzed: 3/4/98			
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	6,200	<RDL		PCB-1016	<RDL			4,4'-DDP	<RDL		
2-Methylnaphthalene	9,200	<RDL		PCB-1221	<RDL			4,4'-DDE	<RDL		
Acenaphthene	1600	<RDL		PCB-1232	<RDL			4,4'-DDT	<RDL		
Acenaphthylene	1600	<RDL		PCB-1242	<RDL			alpha-BHC	<RDL		
Anthracene	1600	<RDL		PCB-1254	<RDL			alpha-Endosulfan	<RDL		
Benzo(a)anthracene	1600	<RDL		PCB-1248	<RDL			beta-BHC	<RDL		
Benzo(a)pyrene	1600	<RDL		PCB-1242	<RDL			beta-Endosulfan	<RDL		
Benzo(b)fluoranthene	1600	<RDL		PCB-1232	<RDL			delta-BHC	<RDL		
Benzo(g,h,i)perylene	1600	<RDL		PCB-1221	<RDL						
Benzo(k)fluoranthene	1600	<RDL		PCB-1016	<RDL						
Chrysene	1600	<RDL									
Dibenzo(a,h)anthracene	1600	<RDL									
Fluoranthene	1600	<RDL									
Fluorene	1600	<RDL									
Indeno(1,2,3-cd)pyrene	1600	<RDL									
Naphthalene	1600	4,800									
Phenanthrene	1600	<RDL									
Pyrene	1600	<RDL									

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	69	0
Nitrobenzene-d5	92	0
p-Terphenyl-d14	82	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ext/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C

Analyte Name	Analytical Results	Reported Detection Limits
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: TCLP Metals
 Date Ext/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B

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

ANALYSIS: TCLP Mercury
 Date Ext/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A

Analyte Name	Analytical Results	Reported Detection Limits
TCLP Extraction	NA	0

ANALYSIS: TCLP Extraction Procedure
 Date Ext/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311

Analyte Name	Analytical Results	Reported Detection Limits
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

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ANALYSIS: X PRO QC Surrogates (Soil)			
Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units: %
o-Terphenyl	3/6/98	3/5/98	See narrative
Decachlorobiphenyl	3/7/98	3/4/98	92
Tetrachloro-m-xylene	3/7/98	3/4/98	77
1,2-Dichloroethane-d4	3/6/98	3/6/98	100
4-Bromofluorobenzene	3/6/98	3/6/98	130
Toluene-d8	3/6/98	3/6/98	107
ANALYSIS: X VOC QC Surrogates (Soils)			
Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units: %
Method Ref: 3550B/8015B	3/6/98	3/5/98	Method Ref: 8260B
Reported Detection Limits	3/6/98	3/5/98	Reported Detection Limits
0	3/6/98	3/5/98	0
0	3/6/98	3/5/98	0
0	3/6/98	3/5/98	0

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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: DAC421-97-C-0042

Date Reported: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G7

ANALYSIS: BTX by GC/MS

Method Ref: 8260B

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

Analyte Name Analytical Results Reported Detection Limits

Benzene <RDL 1300

Ethyl benzene 1,300 1300

Toluene <RDL 1300

Xylenes 39,000 1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

Analyte Name Analytical Results Reported Detection Limits

Diesel Range Organics (DRO)

1,700

100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Analyte Name Analytical Results Reported Detection Limits

Mercury <RDL 0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Date Ext/Dig/Prep: 3/4/98 Date Analyzed: 3/2/98 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Arsenic <RDL 5

Barium 11 5

Cadmium <RDL 0.5

Chromium <RDL 5

Lead 12 5

Selenium <RDL 5

Silver <RDL 5

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides
 Date Ext/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8081A

Analyte Name	Analytical Results	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

ANALYSIS: PCB's
 Date Ext/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8082

Analyte Name	Analytical Results	Reported Detection Limits
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: PAH's
 Date Ext/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Result Units: ug/Kg
 Method Ref: SW846 8270

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	78	0
Nitrobenzene-d5	102	0
p-Terphenyl-d14	81	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C
 Result Units: %

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
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B
 Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
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ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A
 Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311
 Result Units:

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

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ANALYSIS: X DRO QC Surrogates (Soil)			
Method Ref: 3550B/8015B	Date Ex/Dig/Prep: 3/6/98	Date Analyzed: 3/5/98	Result Units: %
Analyte Name	Analytical Results		
Reported Detection Limits	Result Units: %		
o-Terphenyl	See narrative		
0			
ANALYSIS: X Pest/PCB QC Surrogates			
Method Ref: 3580A/8081	Date Ex/Dig/Prep: 3/7/98	Date Analyzed: 3/4/98	Result Units: %
Analyte Name	Analytical Results		
Reported Detection Limits	Result Units: %		
Decachlorobiphenyl	77	64	0
Tetrachloro-m-xylene			0
ANALYSIS: X VOC QC Surrogates (Soils)			
Method Ref: 8260B	Date Ex/Dig/Prep: 3/9/98	Date Analyzed: 3/9/98	Result Units: %
Analyte Name	Analytical Results		
Reported Detection Limits	Result Units: %		
1,2-Dichloroethane-d4	101	118	0
4-Bromofluorobenzene		104	0
Toluene-d8			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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G8

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B

Analyte Name	Analytical Results	Reported Detection Limits
Benzene	470 J	1300
Ethyl benzene	10,000	1300
Toluene	<RDL	1300
Xylenes	4,800	1300

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

Analyte Name	Analytical Results	Reported Detection Limits
Mercury	<RDL	0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Analyte Name	Analytical Results	Reported Detection Limits
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

Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98 Result Units: ug/Kg

Method Ref: SW846 8270

Analytical Results

Reported Detection Limits

1-Methylnaphthalene 10,000

2-Methylnaphthalene 9,500

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

Date Ex/Dig/Prep: 3/7/98 Date Analyzed: 3/4/98 Result Units: ug/Kg

Method Ref: 3550B/8082

Analytical Results

Reported Detection Limits

PCB-1016 <RDL

PCB-1221 <RDL

PCB-1232 <RDL

PCB-1242 <RDL

PCB-1248 <RDL

PCB-1254 <RDL

PCB-1260 <RDL

ANALYSIS: Pesticides

Date Ex/Dig/Prep: 3/7/98 Date Analyzed: 3/4/98 Result Units: ug/Kg

Method Ref: 3550B/8081A

Analytical Results

Reported Detection Limits

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

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<RDL = Less than Reported Detection Limit

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Client Sample ID: EB-G8

AALSample ID #: AB38263 Accura Project #: 15784

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	80	0
Nitrobenzene-d5	100	0
p-Terphenyl-d14	84	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98
 Method Ref: 3550B/8270C Result Units: %

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: TCLP Metals
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98
 Method Ref: 3010A/6010B Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
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ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 7470A Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98
 Method Ref: 1311 Result Units:

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 DRO QC Surrogates (Soil)

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	%	Reported Detection Limits
o-Terphenyl	3/6/98	3/5/98	See narrative		0

ANALYSIS: X Pest/PCB QC Surrogates

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	%	Reported Detection Limits
Decachlorobiphenyl	3/7/98	3/4/98			0
Tetrachloro-m-xylene					0

ANALYSIS: X VOC QC Surrogates (Soils)

Analyte Name	Date Ex/Dig/Prep:	Date Analyzed:	Result Units:	%	Reported Detection Limits
1,2-Dichloroethane-d4	3/10/98	3/10/98			0
4-Bromofluorobenzene					0
Toluene-d8					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: DAC A21-97-C-0042

Date Reported: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: EB-G8-X

ANALYSIS: RTEX by GC/MS

Method Ref: 8260B

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

Analyte Name Analytical Results Reported Detection Limits

Benzene 680 500
 Ethyl benzene 6,000 500
 Toluene <RDL 500
 Xylenes 1,800 500

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B

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

Analyte Name Analytical Results Reported Detection Limits

Diesel Range Organics (DRO) 2,100 100

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

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

Analyte Name Analytical Results Reported Detection Limits

Mercury <RDL 0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A

Date Ext/Dig/Prep: 3/4/98 Date Analyzed: 3/2/98 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Arsenic <RDL 5
 Barium 13 5
 Cadmium <RDL 0.5
 Chromium <RDL 5
 Lead <RDL 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-G8-X

Accura Project #: 15784

ANALYSIS: Pesticides	Date Ex/Dlg/Prep: 3/7/98	Date Analyzed: 3/4/98	Result Units: ug/Kg
Method Ref: 3550B/8081A			

Analyte Name	Analytical Results	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	Analytical Results	Reported Detection Limits
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: 3550B/8082

Result Units: ug/Kg

Date Analyzed: 3/4/98

Date Exp/Dig/Prep: 3/7/98

ANALYSIS: PAH's

Date Exch/Dig/Prep:	3/6/98	Date Analyzed:	3/5/98	Result Units:	ug/Kg
Method Ref: SW846 8270					

ANALYSIS: TCLP Extraction Procedure			
Method Ref: 1311	Date Ex/Dig/Prep: 3/2/98	Date Analyzed: 3/2/98	Result Units:
Analyte Name			
Analytical Results			
Reported Detection Limits			
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 Mercury			
Method Ref: 7470A	Date Ex/Dig/Prep: 3/2/98	Date Analyzed: 3/2/98	Result Units: mg/L
Analyte Name			
Analytical Results			
Reported Detection Limits			
Mercury (Reg Limit = 0.2)	<RDL		0.1
ANALYSIS: TCLP Metals			
Method Ref: 3010A/6010B	Date Ex/Dig/Prep: 3/5/98	Date Analyzed: 3/3/98	Result Units: mg/L
Analyte Name			
Analytical Results			
Reported Detection Limits			
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 Base Neutral QC Surrogates (Soils)			
Method Ref: 3550B/8270C	Date Ex/Dig/Prep: 3/6/98	Date Analyzed: 3/5/98	Result Units: %
Analyte Name			
Analytical Results			
Reported Detection Limits			
2-Fluorobiphenyl	72		0
Nitrobenzene-d5	99		0
p-Terphenyl-d14	74		0

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ANALYSIS: X DRO QC Surrogates (Soil)			
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
o-Terphenyl	3/6/98	3/5/98	See narrative
Decachlorobiphenyl			
Tetrachloro-m-xylene			
ANALYSIS: X Pest/PCB QC Surrogates	3/7/98	3/4/98	Method Ref: 3580A/8081
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
Decachlorobiphenyl			
Tetrachloro-m-xylene			
ANALYSIS: X VOC QC Surrogates (Soils)	3/10/98	3/10/98	Method Ref: 8260B
Analyte Name	Date Ext/Dig/Prep:	Date Analyzed:	Result Units: %
1,2-Dichloroethane-d4			
4-Bromofluorobenzene			
Toluene-d8			
Reported Detection Limits			

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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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: II-TB

ANALYSIS: VOC's

Method Ref: 5030B/8260B

Date Ex/Dig/Prep: 3/3/98 Date Analyzed: 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	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

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Analyte Name	Analytical Results	Reported Detection Limits
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)		
Date Ext/Dig/Prep: 3/3/98	Date Analyzed: 3/3/98	Method Ref: 5030B/8260B
	Result Units: %	
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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: BTEX by GC/MS

Method Ref: 8260B
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/6/98
 Result Units: ug/Kg

Analyte Name Analytical Results Reported Detection Limits

Benzene <RDL
 Ethyl benzene <RDL
 Toluene <RDL
 Xylenes <RDL

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 3550B/8015B
 Date Ex/Dig/Prep: 3/5/98
 Date Analyzed: 3/5/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Diesel Range Organics (DRO) <RDL 10

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A
 Date Ex/Dig/Prep: 3/2/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Mercury <RDL 0.5

ANALYSIS: Metals - RCRA

Method Ref: SW846 6010A
 Date Ex/Dig/Prep: 3/4/98
 Date Analyzed: 3/2/98
 Result Units: mg/Kg

Analyte Name Analytical Results Reported Detection Limits

Arsenic <RDL 5
 Barium <RDL 5
 Cadmium <RDL 0.5
 Chromium <RDL 5
 Lead <RDL 5
 Selenium <RDL 5
 Silver <RDL 5

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<RDL = Less than Reported Detection Limit

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Client Sample ID: METHOD BLANK

AALSample ID #: AB38266 Accura Project #: 15784

Analyte Name	Analytical Results	Reported Detection Limits
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

ANALYSIS: Pesticides
 Date Ex/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8081A

Analyte Name	Analytical Results	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

ANALYSIS: PCB's
 Date Ex/Dig/Prep: 3/7/98
 Date Analyzed: 3/4/98
 Result Units: ug/Kg
 Method Ref: 3550B/8082

Analyte Name	Analytical Results	Reported Detection Limits
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: PAH's
 Date Ex/Dig/Prep: 3/6/98
 Date Analyzed: 3/5/98
 Result Units: ug/Kg
 Method Ref: SW846 8270

Analyte Name	Analytical Results	Reported Detection Limits
2-Fluorobiphenyl	49	0
Nitrobenzene-d5	39	0
p-Terphenyl-d14	86	0

ANALYSIS: X Base Neutral QC Surrogates (Soils)
 Date Ex/Dig/Prep: 3/6/98 Date Analyzed: 3/5/98 Method Ref: 3550B/8270C Result Units: %

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
 Date Ex/Dig/Prep: 3/5/98 Date Analyzed: 3/3/98 Method Ref: 3010A/6010B Result Units: mg/L

Mercury (Reg Limit = 0.2)	<RDL	0.1
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ANALYSIS: TCLP Mercury
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98 Method Ref: 7470A Result Units: mg/L

TCLP Extraction	NA	0
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ANALYSIS: TCLP Extraction Procedure
 Date Ex/Dig/Prep: 3/2/98 Date Analyzed: 3/2/98 Method Ref: 1311 Result Units:

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 PRO QC Surrogates (Soil)			
Method Ref: 3550B/8015B	Date Extd/Dig/Prep: 3/5/98	Date Analyzed: 3/5/98	Result Units: %
Analyte Name	Analytical Results	Reported Detection Limits	
o-Terphenyl	73	0	
ANALYSIS: X Pest/PCB QC Surrogates			
Method Ref: 3580A/8081	Date Extd/Dig/Prep: 3/7/98	Date Analyzed: 3/4/98	Result Units: %
Analyte Name	Analytical Results	Reported Detection Limits	
Decachlorobiphenyl	98	0	
Tetrachloro-m-xylene	82	0	
ANALYSIS: X VOC QC Surrogates (Soils)			
Method Ref: 8260B	Date Extd/Dig/Prep: 3/6/98	Date Analyzed: 3/6/98	Result Units: %
Analyte Name	Analytical Results	Reported Detection Limits	
1,2-Dichloroethane-d4	102	0	
4-Bromofluorobenzene	113	0	
Toluene-d8	106	0	

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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 #: 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: 9/16/98

Client Project Name: HUNTER AAF FIRE TRAINING

Sample Matrix: WATER

Client Sample ID: METHOD BLANK

ANALYSIS: VOC's

Method Ref: 5030B/8260B

Date Ex/Dig/Prep: 3/3/98 Date Analyzed: 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	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
Bromoforn	<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: METHOD BLANK

AAALSample ID #: AB38267 Accura Project #: 15784

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

ANALYSIS: X VOC QC Surrogates (Waters)
 Date Ex/Dig/Prep: 3/3/98 Date Analyzed: 3/3/98
 Method Ref: 5030B/8260B Result Units: %

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