

Table 5-1

Surface and Depositional Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 1 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-29-DEP01 AA1004 6-Nov-98 0-1					FTA-29-DEP02 AA1005 6-Nov-98 0-1					FTA-29-GP01 AA0001 1-Oct-98 0-1				
Parameter	Units	BKG ^a	SSSL ^b	ESV ^b	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.09E+04			YES	YES	5.98E+03				YES	5.82E+03				YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.11E+01			YES	YES	5.60E+00			YES		6.70E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.91E+01					4.88E+01					6.64E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.60E+00		YES		YES	ND					ND				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					2.10E+00		YES		YES	2.90E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	1.38E+03					4.43E+04		YES			2.56E+04		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.37E+01			YES	YES	1.59E+01				YES	2.29E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.90E+00					5.90E+00					8.50E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.06E+01		YES			1.97E+01		YES			1.97E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.59E+04		YES	YES	YES	1.48E+04			YES	YES	1.87E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.34E+01	J				3.62E+01	J				7.51E+01		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.04E+02					2.60E+04		YES			1.20E+04		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	6.71E+02			YES	YES	3.78E+02			YES	YES	3.99E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	8.20E-02		YES			5.50E-02					3.90E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.48E+01		YES			9.10E+00					9.70E+00				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	8.40E-01	B	YES		YES	ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.56E+01				YES	1.98E+01				YES	1.55E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	6.05E+01		YES		YES	1.13E+02		YES		YES	1.17E+02		YES		YES
VOLATILE ORGANIC COMPOUNDS																			
1,1,1,2-Tetrachloroethane	mg/kg	NA	2.41E+01	1.00E-01	ND					2.00E-03	J				ND				
1,1,2,2-Tetrachloroethane	mg/kg	NA	3.13E+00	1.00E-01	ND					4.60E-03	J				ND				
1,1,2-Trichloroethane	mg/kg	NA	1.11E+01	1.00E-01	ND					1.90E-03	J				ND				
1,2,3-Trichloropropane	mg/kg	NA	8.97E-02	1.00E-01	ND					6.90E-03	J				ND				
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02	1.00E-01	ND					9.70E-03	J				ND				
1,2-Dibromo-3-Chloropropane	mg/kg	NA	4.50E-01	1.00E-01	ND					8.50E-03	J				ND				
1,2-Dichlorobenzene	mg/kg	NA	6.99E+02	1.00E-02	ND					3.70E-03	J				ND				
1,2-Dichloropropane	mg/kg	NA	9.26E+00	7.00E+02	ND					1.30E-03	J				ND				
1,2-Dimethylbenzene	mg/kg	NA	1.55E+04	5.00E-02	ND					2.70E-03	J				ND				
1,3,5-Trimethylbenzene	mg/kg	NA	3.88E+02	1.00E-01	ND					6.90E-03	J				ND				
1,3-Dichlorobenzene	mg/kg	NA	6.99E+00	1.00E-02	ND					2.80E-03	J				ND				
1,3-Dichloropropane	mg/kg	NA	NA	7.00E+02	ND					1.80E-03	J				ND				
1,4-Dichlorobenzene	mg/kg	NA	2.62E+01	1.00E-02	ND					3.30E-03	J				ND				
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND					4.10E-02	J				ND				
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01	ND					1.20E-02	J				ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					2.00E-02	J				ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.70E-02	B				2.40E-01	J				ND				
Bromobenzene	mg/kg	NA	1.55E+02	1.00E-01	ND					4.20E-03	J				ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					4.40E-03	J				ND				
Chlorobenzene	mg/kg	NA	1.55E+02	5.00E-02	ND					1.90E-03	J				ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	ND					3.10E-03	J				ND				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	4.90E-03	B				5.20E-03	B				5.50E-03	B			
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND					3.70E-03	J				2.00E-03	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					8.40E-03	J			
m,p-Xylenes	mg/kg	NA	1.55E+04	5.00E-02	ND					6.00E-03	J				ND				
n-Propylbenzene	mg/kg	NA	7.77E+01	NA	ND					4.30E-03	J				ND				
o-Chlorotoluene	mg/kg	NA	1.55E+02	1.00E-01	ND					4.40E-03	J				ND				
p-Chlorotoluene	mg/kg	NA	1.55E+02	1.00E-01	ND					3.80E-03	J				ND				
tert-Butylbenzene	mg/kg	NA	7.77E+01	NA	ND					3.60E-03	J				ND				

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Surface and Depositional Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 2 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-29-DEP01 AA1004 6-Nov-98 0- 1					FTA-29-DEP02 AA1005 6-Nov-98 0- 1					FTA-29-GP01 AA0001 1-Oct-98 0- 1				
Parameter	Units	BKG ^a	SSSL ^b	ESV ^b	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND					ND					2.20E-01	J			
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND					ND					3.40E-01	J			YES
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	3.70E-02	J				ND					5.20E-01				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	3.50E-02	J				2.60E-02	J				5.20E-01			YES	YES
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	3.60E-02	J				3.70E-02	J				7.00E-01				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					4.00E-02	J				4.40E-01				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					ND					7.10E-01				
Carbazole	mg/kg	NA	3.11E+01	NA	ND					ND					9.80E-02	J			
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	4.00E-02	J				4.70E-02	J				6.30E-01				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					1.80E-01	J		YES	
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	8.00E-02	J				4.50E-02	J				7.30E-01				YES
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					3.80E-01	J			
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					5.70E-02	J			
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	5.80E-02	J				4.30E-02	J				8.20E-01				YES
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					3.50E-01	J				2.10E-01	J			

Table 5-1

Surface and Depositional Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 3 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-29-GP02 AA0003 1-Oct-98 0-1					FTA-29-GP03 AA0007 30-Sep-98 0-1					FTA-29-GP04 AA0009 30-Sep-98 0-1				
Parameter	Units	BKG ^a	SSSL ^b	ESV ^b	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	7.00E+03				YES	1.14E+04			YES	YES	6.08E+03				YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.20E+00			YES		4.90E+00			YES		5.40E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	ND					9.02E+01					4.52E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND					8.30E-01		YES			6.80E-01				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA	ND					4.87E+03	J	YES			5.74E+03	J	YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.74E+01			YES		2.35E+01	J		YES	YES	1.87E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	ND					1.58E+01		YES			9.90E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	8.00E+00					2.46E+01		YES			1.39E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.74E+04		YES	YES		3.42E+04		YES	YES	YES	2.17E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.45E+01					2.13E+01					1.66E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	ND					5.55E+03	J	YES			3.47E+03	J	YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.69E+02			YES		4.26E+02			YES	YES	4.47E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.20E-02					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	ND					2.47E+01		YES			1.06E+01		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					6.80E-01	B	YES			8.70E-01	B	YES		YES
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.01E+01			YES		6.90E+00			YES		1.06E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.45E+01	J				6.85E+01		YES		YES	3.94E+01				
VOLATILE ORGANIC COMPOUNDS																			
1,1,1,2-Tetrachloroethane	mg/kg	NA	2.41E+01	1.00E-01	ND					ND					ND				
1,1,2,2-Tetrachloroethane	mg/kg	NA	3.13E+00	1.00E-01	ND					ND					ND				
1,1,2-Trichloroethane	mg/kg	NA	1.11E+01	1.00E-01	ND					ND					ND				
1,2,3-Trichloropropane	mg/kg	NA	8.97E-02	1.00E-01	ND					ND					ND				
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02	1.00E-01	ND					ND					ND				
1,2-Dibromo-3-Chloropropane	mg/kg	NA	4.50E-01	1.00E-01	ND					ND					ND				
1,2-Dichlorobenzene	mg/kg	NA	6.99E+02	1.00E-02	ND					ND					ND				
1,2-Dichloropropane	mg/kg	NA	9.26E+00	7.00E+02	ND					ND					ND				
1,2-Dimethylbenzene	mg/kg	NA	1.55E+04	5.00E-02	ND					ND					ND				
1,3,5-Trimethylbenzene	mg/kg	NA	3.88E+02	1.00E-01	ND					ND					ND				
1,3-Dichlorobenzene	mg/kg	NA	6.99E+00	1.00E-02	ND					ND					ND				
1,3-Dichloropropane	mg/kg	NA	NA	7.00E+02	ND					ND					ND				
1,4-Dichlorobenzene	mg/kg	NA	2.62E+01	1.00E-02	ND					ND					ND				
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	3.40E-03	B				ND					6.00E-03	B			
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01	ND					ND					ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					ND					ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	6.50E-02	B				ND					6.80E-02	B			
Bromobenzene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					ND					ND				
Chlorobenzene	mg/kg	NA	1.55E+02	5.00E-02	ND					ND					ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	ND					ND					ND				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	3.70E-03	B				4.80E-03	B				4.60E-03	B			
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND					ND					ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
m,p-Xylenes	mg/kg	NA	1.55E+04	5.00E-02	ND					ND					ND				
n-Propylbenzene	mg/kg	NA	7.77E+01	NA	ND					ND					ND				
o-Chlorotoluene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
p-Chlorotoluene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
tert-Butylbenzene	mg/kg	NA	7.77E+01	NA	ND					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 4 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-29-GP02 AA0003 1-Oct-98 0-1					FTA-29-GP03 AA0007 30-Sep-98 0-1					FTA-29-GP04 AA0009 30-Sep-98 0-1				
Parameter	Units	BKG ^a	SSSL ^b	ESV ^b	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND					ND					ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND					ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					ND					ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND					4.20E-02 J					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					4.40E-02 J					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					4.80E-02 J					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					ND					ND				
Carbazole	mg/kg	NA	3.11E+01	NA	ND					ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND					ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					7.90E-02 J				

Analyses performed by Quanterra Environmental Services using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods, including Update III methods where applicable.

^a Bkg - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama, July*. For SVOCs, value listed is the background screening criterion for soils adjacent to asphalt as given in IT Corporation (2000b), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama, July*.

^b Residential human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama, July*.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - The compound was positively identified; the reported value is estimated.

mg/kg - Milligrams per kilogram

NA - Not available

ND - Not detected

Qual - Data validation qualifier

Table 5-2

Subsurface Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 1 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)				FTA-29-GP01 AA0002 1-Oct-98 4.5- 9				FTA-29-GP02 AA0006 1-Oct-98 5 - 8				FTA-29-GP03 AA0008 30-Sep-98 1 - 3				FTA-29-GP04 AA0010 30-Sep-98 5 - 10				FTA-29-GP05 AA0011 30-Sep-98 8 - 10			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																							
Aluminum	mg/kg	1.36E+04	7.80E+03	4.47E+03				1.00E+04			YES	5.40E+03				5.76E+03				5.14E+03			
Arsenic	mg/kg	1.83E+01	4.26E-01	9.30E+00			YES	4.90E+00			YES	4.80E+00			YES	4.90E+00			YES	1.36E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.17E+01				8.93E+01				4.79E+01				3.99E+01				5.35E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	7.80E-01				8.40E-01				6.10E-01				ND				1.20E+00		YES	
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				ND				ND				6.00E-01		YES		ND			
Calcium	mg/kg	6.37E+02	NA	ND				4.34E+03		YES		1.02E+04	J	YES		3.59E+04	J	YES		7.57E+02	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01	2.49E+01			YES	1.92E+01				1.06E+01	J			1.54E+01	J			2.25E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	1.84E+01		YES		1.37E+01				ND				1.23E+01				2.58E+01		YES	
Copper	mg/kg	1.94E+01	3.13E+02	1.14E+01				2.89E+01		YES		1.24E+01				1.62E+01				1.91E+01			
Iron	mg/kg	4.48E+04	2.34E+03	3.13E+04			YES	3.06E+04			YES	1.00E+04			YES	1.94E+04			YES	4.39E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	9.90E+00				1.75E+01				8.40E+00				2.03E+01				2.55E+01			
Magnesium	mg/kg	7.66E+02	NA	6.57E+02				3.85E+03		YES		3.25E+03	J	YES		2.00E+04	J	YES		6.66E+02	J		
Manganese	mg/kg	1.36E+03	3.63E+02	4.47E+02			YES	1.99E+03		YES	YES	8.77E+01				3.79E+02			YES	9.63E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	ND				1.30E-01		YES		ND				ND				ND			
Nickel	mg/kg	1.29E+01	1.54E+02	2.23E+01		YES		1.99E+01		YES		1.03E+01				1.07E+01				2.14E+01		YES	
Potassium	mg/kg	7.11E+02	NA	ND				ND				ND				ND				ND			
Selenium	mg/kg	4.70E-01	3.91E+01	ND				8.00E-01	B	YES		ND				ND				8.30E-01	B	YES	
Vanadium	mg/kg	6.49E+01	5.31E+01	ND				8.10E+00				1.15E+01				1.58E+01				6.00E+00	B		
Zinc	mg/kg	3.49E+01	2.34E+03	3.83E+01			YES	3.00E+02		YES		2.92E+01				3.33E+01				5.37E+01		YES	
VOLATILE ORGANIC COMPOUNDS																							
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02	ND				3.90E-01				ND				ND				ND			
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				ND				ND				6.30E-03	B		
Acetone	mg/kg	NA	7.76E+02	1.70E-02	B			ND				ND				1.50E-02	B			4.60E-02	B		
Benzene	mg/kg	NA	2.17E+01	ND				ND				ND				ND				ND			
Carbon disulfide	mg/kg	NA	7.77E+02	3.90E-03	J			ND				ND				ND				ND			
Cumene	mg/kg	NA	7.77E+02	ND				4.10E-01				ND				ND				ND			
Ethylbenzene	mg/kg	NA	7.77E+02	ND				1.70E-01	J			ND				ND				ND			
Methylene chloride	mg/kg	NA	8.41E+01	1.70E-03	B			1.60E-01	B			6.90E-03	B			4.70E-03	B			5.50E-03	B		
Naphthalene	mg/kg	NA	1.55E+02	ND				2.20E+00				ND				ND				ND			
n-Butylbenzene	mg/kg	NA	7.77E+01	ND				1.30E+00				ND				ND				ND			
n-Propylbenzene	mg/kg	NA	7.77E+01	ND				6.60E-01				ND				ND				ND			
p-Cymene	mg/kg	NA	1.55E+03	ND				9.90E-01				ND				ND				ND			
sec-Butylbenzene	mg/kg	NA	7.77E+01	ND				1.30E+00				ND				ND				ND			

Table 5-2

Subsurface Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 2 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)				FTA-29-GP01 AA0002 1-Oct-98 4.5- 9				FTA-29-GP02 AA0006 1-Oct-98 5 - 8				FTA-29-GP03 AA0008 30-Sep-98 1 - 3				FTA-29-GP04 AA0010 30-Sep-98 5 - 10				FTA-29-GP05 AA0011 30-Sep-98 8 - 10				
Parameter		Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																								
2-Methylnaphthalene		mg/kg	NA	1.55E+02	ND				1.40E+01				ND				ND				ND			
Anthracene		mg/kg	NA	2.33E+03	ND				7.20E-01				ND				ND				ND			
Benzo(a)anthracene		mg/kg	NA	8.51E-01	ND				4.40E-01				ND				ND				ND			
Benzo(a)pyrene		mg/kg	NA	8.51E-02	ND				3.10E-01	J		YES	ND				ND				ND			
Benzo(b)fluoranthene		mg/kg	NA	8.51E-01	ND				3.30E-01	J			ND				ND				ND			
Benzo(ghi)perylene		mg/kg	NA	2.32E+02	ND				1.50E-01	J			ND				ND				ND			
Benzo(k)fluoranthene		mg/kg	NA	8.51E+00	ND				2.80E-01	J			ND				ND				ND			
Carbazole		mg/kg	NA	3.11E+01	ND				3.60E-01	J			ND				ND				ND			
Chrysene		mg/kg	NA	8.61E+01	ND				3.50E-01	J			ND				ND				ND			
Dibenz(a,h)anthracene		mg/kg	NA	8.61E-02	ND				7.00E-02	J			ND				ND				ND			
Fluoranthene		mg/kg	NA	3.09E+02	ND				1.00E+00				ND				ND				ND			
Fluorene		mg/kg	NA	3.09E+02	ND				2.80E+00				ND				ND				ND			
Indeno(1,2,3-cd)pyrene		mg/kg	NA	8.51E-01	ND				1.70E-01	J			ND				ND				ND			
Naphthalene		mg/kg	NA	1.55E+02	ND				2.70E+00				ND				ND				ND			
Phenanthrene		mg/kg	NA	2.32E+03	ND				5.70E+00				ND				ND				ND			
Pyrene		mg/kg	NA	2.33E+02	ND				2.00E+00				ND				ND				ND			
bis(2-Ethylhexyl)phthalate		mg/kg	NA	4.52E+01	ND				6.90E-02	J			ND				ND				ND			

Table 5-2

Subsurface Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 3 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)				FTA-29-GP06 AA0012 30-Sep-98 4 - 8				FTA-29-GP07 AA0013 30-Sep-98 8 - 10				FTA-29-GP08 AA0014 30-Sep-98 8 - 10				FTA-29-GP09 AA0015 1-Oct-98 4 - 8				FTA-29-GP10 AA0016 1-Oct-98 4 - 5			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																							
Aluminum	mg/kg	1.36E+04	7.80E+03	8.49E+03			YES	1.53E+04		YES	YES	1.44E+04		YES	YES	3.54E+03				5.43E+03			
Arsenic	mg/kg	1.83E+01	4.26E-01	2.90E+00			YES	6.60E+00			YES	6.80E+00			YES	ND				5.90E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	4.03E+01				9.05E+01				1.01E+02				5.03E+01				2.97E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				1.30E+00		YES		1.50E+00		YES		ND				ND			
Cadmium	mg/kg	2.20E-01	6.25E+00	ND				5.50E-01		YES		8.20E-01		YES		ND				5.40E-01		YES	
Calcium	mg/kg	6.37E+02	NA	ND				1.81E+03	J	YES		8.49E+02	J	YES		ND				ND			
Chromium	mg/kg	3.83E+01	2.32E+01	1.25E+01	J			2.42E+01	J		YES	2.42E+01	J		YES	7.60E+00				2.00E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	ND				1.72E+01				2.74E+01		YES		ND				9.50E+00			
Copper	mg/kg	1.94E+01	3.13E+02	8.30E+00				4.72E+01		YES		4.99E+01		YES		4.10E+00				1.62E+01			
Iron	mg/kg	4.48E+04	2.34E+03	1.57E+04			YES	3.81E+04			YES	4.13E+04			YES	6.89E+03		YES		2.33E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.06E+01				1.97E+01				2.16E+01				7.70E+00				9.70E+00			
Magnesium	mg/kg	7.66E+02	NA	5.98E+02	J			7.67E+03	J	YES		7.18E+03	J	YES		ND				8.89E+02		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	5.55E+01				2.57E+02				3.91E+02			YES	1.46E+02				1.47E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				ND				ND				5.20E-02			
Nickel	mg/kg	1.29E+01	1.54E+02	ND				3.27E+01		YES		5.22E+01		YES		ND				8.90E+00			
Potassium	mg/kg	7.11E+02	NA	ND				5.93E+02				ND				ND				ND			
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.10E+00	B	YES		1.00E+00	B	YES		ND				6.80E-01	B	YES	
Vanadium	mg/kg	6.49E+01	5.31E+01	1.14E+01				ND				ND				7.40E+00				9.30E+00			
Zinc	mg/kg	3.49E+01	2.34E+03	1.34E+01				1.02E+02		YES		1.22E+02		YES		7.90E+00				3.73E+01		YES	
VOLATILE ORGANIC COMPOUNDS																							
1,2,4-Trimethylbenzene	mg/kg	NA	3.88E+02	ND				ND				ND				ND				ND			
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				ND				ND				ND			
Acetone	mg/kg	NA	7.76E+02	2.30E-02	B			1.30E-02	B			2.50E-02	B			1.90E-02	B			6.90E-02	B		
Benzene	mg/kg	NA	2.17E+01	ND				ND				4.90E-03	J			ND				ND			
Carbon disulfide	mg/kg	NA	7.77E+02	ND				ND				ND				ND				ND			
Cumene	mg/kg	NA	7.77E+02	ND				ND				ND				ND				ND			
Ethylbenzene	mg/kg	NA	7.77E+02	ND				ND				ND				ND				ND			
Methylene chloride	mg/kg	NA	8.41E+01	5.40E-03	B			4.40E-03	B			3.70E-03	B			1.50E-03	B			4.20E-03	B		
Naphthalene	mg/kg	NA	1.55E+02	ND				ND				ND				ND				ND			
n-Butylbenzene	mg/kg	NA	7.77E+01	ND				ND				ND				ND				ND			
n-Propylbenzene	mg/kg	NA	7.77E+01	ND				ND				ND				ND				ND			
p-Cymene	mg/kg	NA	1.55E+03	ND				ND				ND				ND				ND			
sec-Butylbenzene	mg/kg	NA	7.77E+01	ND				ND				ND				ND				ND			

Table 5-2

Subsurface Soil Analytical Results
11th Chemical Motor Pool Area, Parcels 29(7), 30(7), and 74(7)
Fort McClellan, Calhoun County, Alabama

(Page 4 of 4)

Sample Location Sample Number Sample Date Sample Depth (Feet)				FTA-29-GP06 AA0012 30-Sep-98 4 - 8				FTA-29-GP07 AA0013 30-Sep-98 8 - 10				FTA-29-GP08 AA0014 30-Sep-98 8 - 10				FTA-29-GP09 AA0015 1-Oct-98 4 - 8				FTA-29-GP10 AA0016 1-Oct-98 4 - 5				
Parameter		Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																								
2-Methylnaphthalene	mg/kg	NA	1.55E+02	ND					ND				ND				ND				ND			
Anthracene	mg/kg	NA	2.33E+03	ND					ND				ND				ND				ND			
Benzo(a)anthracene	mg/kg	NA	8.51E-01	ND					ND				ND				ND				ND			
Benzo(a)pyrene	mg/kg	NA	8.51E-02	ND					ND				ND				ND				ND			
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01	ND					ND				ND				ND				ND			
Benzo(ghi)perylene	mg/kg	NA	2.32E+02	ND					ND				ND				ND				ND			
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00	ND					ND				ND				ND				ND			
Carbazole	mg/kg	NA	3.11E+01	ND					ND				ND				ND				ND			
Chrysene	mg/kg	NA	8.61E+01	ND					ND				ND				ND				ND			
Dibenz(a,h)anthracene	mg/kg	NA	8.61E-02	ND					ND				ND				ND				ND			
Fluoranthene	mg/kg	NA	3.09E+02	ND					ND				ND				ND				ND			
Fluorene	mg/kg	NA	3.09E+02	ND					ND				ND				ND				ND			
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01	ND					ND				ND				ND				ND			
Naphthalene	mg/kg	NA	1.55E+02	ND					ND				ND				ND				ND			
Phenanthrene	mg/kg	NA	2.32E+03	ND					ND				ND				ND				ND			
Pyrene	mg/kg	NA	2.33E+02	ND					ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	ND					ND				ND				ND				ND			

Analyses performed by Quanterra Environmental Services using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods, including Update III methods where applicable.

^a Bkg - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

^b Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000b), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - The compound was positively identified; the reported value is estimated.

mg/kg - Milligrams per kilogram

NA - Not available

ND - Not detected

Qual - Data validation qualifier