

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					FTA-100-DEP01 100 REP CV0011 10-Nov-98 0-1					FTA-100-DEP02 100 REP CV0012 10-Nov-98 0-1					FTA-100-DEP03 100 REP CV0013 10-Nov-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND					4.20E-03	J			YES	3.70E-03	J			YES
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	3.10E-02				YES	5.20E-03				YES	5.50E-03				YES
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	2.90E-01				YES	ND					ND				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	ND					4.10E-03					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.60E+03				YES	6.68E+03				YES	6.27E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.30E+00			YES		6.40E+00			YES		8.60E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.03E+01					6.32E+01					8.62E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND					9.20E-01		YES			8.10E-01		YES		
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	5.90E-01		YES			ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA	2.31E+03	J	YES			6.86E+03	J	YES			1.93E+03	J	YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.39E+01				YES	1.43E+01				YES	1.14E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	9.50E+00					1.31E+01					1.28E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.28E+01		YES			2.28E+01		YES			1.69E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.75E+04			YES	YES	2.12E+04			YES	YES	2.00E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.09E+02		YES		YES	4.81E+01		YES			3.75E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	9.72E+02					1.38E+03		YES			8.22E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.47E+02				YES	3.57E+02				YES	3.48E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	4.00E-02					ND					6.90E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	8.40E+00					1.20E+01		YES			1.13E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	ND					7.55E+02					1.00E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					1.10E+00		YES		YES	1.00E+00		YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND		ND			ND				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	8.00E+00				YES	1.10E+01				YES	ND				
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.88E+02		YES		YES	1.53E+02		YES		YES	7.52E+01		YES		YES
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	NR					NR					NR				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	NR					NR					NR				
alpha-Chlordane	mg/kg	NA	NA	NA	NR					NR					NR				
gamma-Chlordane	mg/kg	NA	NA	NA	NR					NR					NR				

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Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					FTA-100-DEP01 100 REP CV0011 10-Nov-98 0-1					FTA-100-DEP02 100 REP CV0012 10-Nov-98 0-1					FTA-100-DEP03 100 REP CV0013 10-Nov-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	5.50E-02	J				ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	9.40E-02	J				ND					ND				
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	2.30E-01	J			YES	5.10E-02	J				ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	3.50E-01	J				1.90E-01	J				7.40E-02	J			
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	2.80E-01	J		YES	YES	2.60E-01	J		YES	YES	8.60E-02	J		YES	
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	2.90E-01	J				3.30E-01	J				1.00E-01	J			
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	1.50E-01	J				1.30E-01	J				ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	3.30E-01	J				3.00E-01	J				9.70E-02	J			
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	1.40E-01	J				6.10E-02	J				ND				
Carbazole	mg/kg	NA	3.11E+01	NA	2.50E-01	J				ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	3.30E-01	J				3.00E-01	J				1.00E-01	J			
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					7.00E-02	J				ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	6.50E-02	J				ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	8.50E-01			YES		4.30E-01	J			YES	1.80E-01	J			YES
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	1.20E-01	J				ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	1.40E-01	J				1.40E-01	J				4.40E-02	J			
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	1.00E-01	J	YES		YES	ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	7.80E-01				YES	1.00E-01	J			YES	5.10E-02	J			
Phenol	mg/kg	NA	4.66E+03	5.00E-02	5.50E-02	J		NA	YES	ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	5.60E-01				YES	3.10E-01	J			YES	1.20E-01	J			YES
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	2.80E-01	J				6.00E-02	J				ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.10E-02	B				1.00E-02	B				1.30E-02	B			
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	1.10E-01	J				2.40E-01	J				1.60E-01	J			
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					ND					ND				
Cumene	mg/kg	NA	7.77E+02	NA	ND					8.10E-03					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	8.30E-03	B				1.30E-02	B				1.20E-02	B			
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND					4.20E-03	J				ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	ND					ND					ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					6.90E-03	J				ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					NR					NR				

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Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					FTA-100-GP02 100 REP CV0004 7-Oct-98 0-1					FTA-100-GP04 100 REP CV0007 12-Oct-98 0-1					SI06-GWS04 100 REP 06-SS07 5-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND					ND					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					ND					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					ND					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	ND					ND					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	3.98E+03				YES	7.74E+03				YES	5.72E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.30E+00			YES		6.00E+00			YES		2.57E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.65E+01					3.75E+01					3.41E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND					ND					3.08E-01				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA	1.16E+05 J		YES			1.51E+04 J		YES			4.18E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	6.70E+00				YES	2.10E+01				YES	1.10E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	ND					1.07E+01					6.38E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.00E+00					1.19E+01					7.70E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.73E+03			YES	YES	1.71E+04			YES	YES	1.03E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.70E+00					1.14E+01					1.06E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	5.79E+04		YES			8.52E+03		YES			5.39E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	8.72E+01					3.00E+02				YES	4.07E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					2.60E-02 J				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.50E+00					9.20E+00					5.50E+00				
Potassium	mg/kg	8.00E+02	NA	NA	ND					ND					1.98E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					4.60E-01				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND					2.09E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.14E+01 J				YES	1.57E+01 J				YES	1.43E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.26E+01					3.70E+01					1.65E+01				
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	NR					NR					ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	NR					NR					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	NR					NR					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	NR					NR					ND				

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					FTA-100-GP02 100 REP CV0004 7-Oct-98 0-1					FTA-100-GP04 100 REP CV0007 12-Oct-98 0-1					SI06-GWS04 100 REP 06-SS07 5-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	ND					ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	ND					ND					ND				
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					ND					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					ND					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					ND					ND				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	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				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND					2.20E-02	J			
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND					ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					2.40E-02	J			
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND					1.70E-02	J			
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					6.60E-02	B			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	3.70E-03	B				ND					6.40E-03	J			
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	2.80E-02	B				1.20E-02	B				5.20E-02	B			
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					ND					ND				
Cumene	mg/kg	NA	7.77E+02	NA	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	3.30E-03	B				2.20E-03	B				ND				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	3.30E-03	B				3.00E-03	J				ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND					ND					5.60E-04	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	2.70E-03	B				ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	ND					ND					ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					NR					2.19E+03				

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-GWS06 100 REP 06-SS02A 4-May-98 0- 1					SI06-GWS09 100 REP 06-SS03A 4-May-98 0- 1					SI06-GWS10 100 REP 06-SS12 5-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	NR					NR					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	NR					NR					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	9.95E+03			YES	YES	9.72E+03			YES	YES	4.78E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	1.37E+00					9.38E-01					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.11E+00			YES		5.65E+00			YES		5.51E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.55E+01					9.61E+01					2.45E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	9.15E-01		YES			8.80E-01		YES			3.23E-01				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	2.97E-01		YES			1.16E+00		YES			ND				
Calcium	mg/kg	1.72E+03	NA	NA	5.15E+03		YES			1.10E+03					3.00E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.60E+01				YES	2.08E+01				YES	1.22E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.14E+01					1.39E+01					5.56E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.95E+01		YES		YES	1.39E+02		YES		YES	1.22E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.29E+04			YES	YES	2.78E+02			YES	YES	2.22E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.52E+02		YES		YES	1.62E+02		YES		YES	1.11E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.63E+03		YES			3.36E+03		YES			1.67E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.78E+02			YES	YES	3.01E+02				YES	1.56E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	1.37E-01		YES		YES	1.27E-01		YES		YES	2.20E-02 J				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.95E+01		YES			2.31E+01		YES			4.12E+00				
Potassium	mg/kg	8.00E+02	NA	NA	5.15E+02					4.28E+02					2.67E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	7.40E-01		YES			9.34E-01		YES		YES	5.84E-01		YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.17E+02					2.31E+02					2.22E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.17E+01				YES	2.20E+01				YES	2.22E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.02E+02		YES		YES	3.36E+02		YES		YES	1.89E+01				
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	6.47E-03				YES	ND					ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	6.36E-03				YES	4.93E-03				YES	ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					2.14E-01				YES	ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					3.70E-03					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	ND					1.56E-02					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	ND					1.30E-02					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-GWS06 100 REP 06-SS02A 4-May-98 0-1					SI06-GWS09 100 REP 06-SS03A 4-May-98 0-1					SI06-GWS10 100 REP 06-SS12 5-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	4.35E-01					ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	ND					ND					ND				
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					ND					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					ND					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					ND					ND				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	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				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					1.85E-01				YES	ND				
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	3.09E-01		YES		YES	ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					ND				
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					1.50E-01				YES	ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					5.00E-02	B			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.30E-02	J				1.10E-02	J				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	1.60E-01					7.00E-02					3.10E-02	B			
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	1.80E-03	J				1.20E-03	J				8.60E-04	J			
Cumene	mg/kg	NA	7.77E+02	NA	ND					ND					ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	ND					7.00E-04	J				ND				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND					ND				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	1.50E-03	J				1.20E-03	J				ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	1.40E-03	J				2.20E-03	J				ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					2.14E+04					NR				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-GWS11 100 REP 06-SS14 5-May-98 0-1					SI06-SS01 100 REP 06-SS01A 4-May-98 0-1					SI06-SS04 100 REP 06-SS04 6-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	NR					NR					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	NR					NR					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	4.93E+03				YES	1.06E+04			YES	YES	1.04E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.13E+00			YES		3.21E+00			YES		7.03E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	5.70E+01					2.48E+01					1.23E+02				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.46E-01					5.97E-01					8.73E-01		YES		
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	1.20E-01					ND					5.15E-01		YES		
Calcium	mg/kg	1.72E+03	NA	NA	8.21E+02					2.14E+02					3.14E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.20E+01				YES	1.58E+01				YES	1.90E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.67E+00					4.84E+00					9.63E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.31E+01		YES			2.36E+01		YES			4.70E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.75E+04			YES	YES	2.48E+04			YES	YES	3.36E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.85E+01					1.35E+01					1.01E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.23E+02					4.50E+03		YES			2.69E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.50E+02				YES	1.46E+02				YES	7.17E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.83E-02					2.59E-02					4.48E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.23E+00					1.58E+01		YES			1.99E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	4.05E+02					3.15E+02					2.69E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.19E-01		YES			6.20E-01		YES			7.21E-01		YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	1.31E-01					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.08E+02					2.25E+02					2.69E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.53E+01				YES	2.03E+01				YES	2.91E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.15E+01		YES		YES	6.19E+01		YES		YES	1.08E+02		YES		YES
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					2.51E-02				YES	ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					8.57E-03				YES	ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	1.03E-02					ND					ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					ND					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-GWS11 100 REP 06-SS14 5-May-98 0-1					SI06-SS01 100 REP 06-SS01A 4-May-98 0-1					SI06-SS04 100 REP 06-SS04 6-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	ND					ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	ND					ND					ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	1.30E-02 J					ND					ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	2.20E-02 J					ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	1.97E-01					ND					2.80E-02 J				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	1.86E-01			YES	YES	ND					3.00E-02 J				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	2.52E-01					ND					3.50E-02 J				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	7.40E-02 J					ND					2.40E-02 J				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	1.86E-01					ND					2.80E-02 J				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	ND					ND					2.35E-01				
Carbazole	mg/kg	NA	3.11E+01	NA	ND					ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	2.41E-01					ND					4.10E-02 J				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					2.30E-02 J				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	4.38E-01				YES	ND					4.70E-02 J				
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	8.00E-03 J					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	8.50E-02 J					ND					2.00E-02 J				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND					ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	1.31E-01				YES	ND					2.60E-02 J				
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	3.18E-01				YES	ND					3.80E-02 J				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					4.59E-01				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.60E-02 J					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	2.30E-01					2.10E-02 J					ND				
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					1.30E-03 J					ND				
Cumene	mg/kg	NA	7.77E+02	NA	ND					ND					ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	ND					ND					1.40E-03 J				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND					1.40E-03 B				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	2.50E-03 J					ND					9.40E-04 J				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	1.00E-03 J					1.40E-03 J					7.20E-03				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					2.51E+03					1.42E+04 J				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS05 100 REP 06-SS05 5-May-98 0- 1					SI06-SS06 100 REP 06-SS06 5-May-98 0- 1					SI06-SS08 100 REP 06-SS08 5-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	NR					NR					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	NR					NR					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.74E+03				YES	7.37E+03				YES	3.53E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.13E+00			YES		5.23E+00			YES		3.31E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.94E+01					7.72E+01					3.42E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	3.15E-01					7.60E-01					3.20E-01				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					3.86E-01		YES			2.43E-01				
Calcium	mg/kg	1.72E+03	NA	NA	7.21E+02					1.29E+03					8.94E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.13E+01				YES	1.40E+01				YES	1.43E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.73E+00					9.94E+00					3.75E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	9.68E+00					2.57E+01		YES			8.83E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.69E+04			YES	YES	2.46E+04			YES	YES	1.43E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.69E+01					4.33E+01		YES			2.87E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.24E+03		YES			2.22E+03		YES			3.31E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.13E+02				YES	2.46E+02				YES	7.17E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	9.35E-02		YES			4.80E-02					4.08E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	6.76E+00					1.64E+01		YES			3.42E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.69E+02					3.63E+02					2.54E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	3.01E-01	B				6.20E-01		YES			3.87E-01				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	1.24E-01					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.03E+02					2.46E+02					2.10E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					3.98E-01	B				ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.91E+01				YES	1.64E+01				YES	1.43E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.70E+01					7.60E+01		YES		YES	1.05E+02		YES		YES
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					ND					1.16E-03				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					ND					ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					ND					ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					ND					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS05 100 REP 06-SS05 5-May-98 0-1					SI06-SS06 100 REP 06-SS06 5-May-98 0-1					SI06-SS08 100 REP 06-SS08 5-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	ND					ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	ND					ND					ND				
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					5.03E-01					ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND					5.15E-01			YES	YES	ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					6.43E-01					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					2.81E-01					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					5.73E-01					ND				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	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					6.20E-01					ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					1.15E+00				YES	ND				
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					3.27E-01					ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND					ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					3.74E-01				YES	ND				
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					8.42E-01				YES	ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	6.42E-01					ND					ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND					5.70E-03 J					1.30E-02 J				
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	4.70E-02 B					6.30E-02 B					2.60E-01				
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					ND					ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	8.20E-04 J					ND					ND				
Cumene	mg/kg	NA	7.77E+02	NA	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	ND					ND					ND				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	1.80E-03 J					ND					1.10E-03 J				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	1.30E-03 J					ND					ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					NR					NR				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS09 100 REP 06-SS09 6-May-98 0- 1					SI06-SS10 100 REP 06-SS10 6-May-98 0- 1					SI06-SS11 100 REP 06-SS11 5-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	NR					NR					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	NR					NR					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.05E+03				YES	4.26E+03				YES	1.16E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	2.64E+00		YES			1.10E+00					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.91E+00			YES		3.64E+00			YES		6.89E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.26E+02		YES			5.49E+01					6.57E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.08E-01					3.14E-01					5.98E-01	J			
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	9.63E-01		YES			3.47E+00		YES		YES	3.28E+00	J	YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	1.09E+03					1.34E+03					5.28E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.26E+01				YES	1.03E+01				YES	1.64E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.91E+00					3.58E+00					1.71E+01	J	YES		
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.56E+02		YES	YES	YES	2.24E+01		YES			2.34E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.26E+04			YES	YES	1.23E+04			YES	YES	3.05E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.73E+02		YES	YES	YES	5.26E+01		YES		YES	2.25E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.34E+02					6.16E+02					1.88E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.01E+02				YES	3.58E+02				YES	3.75E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	1.83E-01		YES		YES	3.92E-02					4.92E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.61E+01		YES			4.70E+00					1.69E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	3.21E+02					2.13E+02					5.39E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	4.15E-01					3.62E-01	B				7.53E-01	J	YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	1.61E-01					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.29E+02					6.27E+02					4.10E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.15E+01				YES	1.57E+01				YES	3.05E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	8.49E+02		YES		YES	1.12E+02		YES		YES	7.50E+01	J	YES		YES
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	1.26E-02				YES	1.08E-03					ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	2.65E-02				YES	ND					ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					ND					ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					ND					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	ND					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS09 100 REP 06-SS09 6-May-98 0- 1					SI06-SS10 100 REP 06-SS10 6-May-98 0- 1					SI06-SS11 100 REP 06-SS11 5-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	3.70E-02	J				ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	1.90E-02	J				ND					ND				
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	4.40E-02	J				ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	3.10E-01					ND					ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	3.21E-01			YES	YES	ND					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	4.13E-01					ND					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	1.46E-01	J				ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	3.78E-01					ND					ND				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	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	3.56E-01					ND					ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	6.77E-01				YES	2.24E-01				YES	ND				
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	1.60E-01	J				ND					ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	4.50E-02	J	YES			ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	2.75E-01				YES	7.84E-02					ND				
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	4.47E-01				YES	1.79E-01				YES	ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	1.95E-01					ND					ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.10E-02	J				2.60E-02	J				ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					8.60E-03	J				ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.00E-01	J				5.10E-01	J				3.60E-02	B			
Benzene	mg/kg	NA	2.17E+01	5.00E-02	9.60E-04	J				7.80E-04	J				ND				
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					ND					ND				
Cumene	mg/kg	NA	7.77E+02	NA	ND					ND					ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	1.10E-03	J				9.60E-04	J				ND				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND					ND				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	2.50E-03	J				5.30E-03					ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	4.50E-03					4.00E-03	J				ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	1.49E+04	J				NR					NR				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS13 100 REP 06-SS13 6-May-98 0-1					SI06-SS15 100 REP 06-SS15 6-May-98 0-1					SI06-SS16 100 REP 06-SS16 6-May-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
PESTICIDES (Method 8081A)																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	NR					NR					NR				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	NR					NR					NR				
Heptachlor epoxide	mg/kg	NA	6.91E-02	1.52E-01	NR					NR					NR				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.57E+03				YES	3.28E+03				YES	4.40E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					3.17E+00		YES	YES		ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.83E+00			YES		3.99E+00			YES		2.68E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.34E+01					4.27E+01					8.23E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.12E-01					3.61E-01					5.19E-01				
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	9.91E-02					1.42E+00		YES			3.16E-01		YES		
Calcium	mg/kg	1.72E+03	NA	NA	9.24E+02					1.20E+03					1.47E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.04E+01				YES	3.50E+01			YES	YES	8.68E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	5.01E+00					7.00E+00					3.95E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.11E+01					1.42E+01		YES			1.07E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.22E+04			YES	YES	1.31E+04			YES	YES	1.01E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.01E+01					1.97E+02		YES		YES	2.59E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	5.90E+02					3.61E+02					7.33E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.45E+02				YES	4.81E+02			YES	YES	5.98E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.23E-02					5.58E-02					3.72E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	5.90E+00					5.03E+00					4.74E+00				
Potassium	mg/kg	8.00E+02	NA	NA	3.12E+02					2.30E+02					2.37E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	4.93E-01		YES			3.04E-01	B				ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	1.89E+02					2.08E+02					2.14E+02				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.56E+01				YES	1.42E+01				YES	1.47E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.45E+01					6.35E+01		YES		YES	2.82E+01				
PESTICIDES/PCBs (Method 8080)																			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					1.30E-03					ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					ND					ND				
Chlordane	mg/kg	NA	1.69E+00	1.00E-01	4.65E-02					ND					ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					ND					ND				
alpha-Chlordane	mg/kg	NA	NA	NA	2.13E-03					ND					ND				
gamma-Chlordane	mg/kg	NA	NA	NA	1.75E-03					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama

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Sample Location Parcel Sample Number Sample Date Sample Depth (Feet)					SI06-SS13 100 REP 06-SS13 6-May-98 0-1					SI06-SS15 100 REP 06-SS15 6-May-98 0-1					SI06-SS16 100 REP 06-SS16 6-May-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																			
2-Methylnaphthalene	mg/kg	NA	1.55E+02	NA	ND					ND					ND				
Acenaphthene	mg/kg	7.02E-01	4.63E+02	2.00E+01	ND					ND					3.40E-02	J			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND					ND					6.40E-02	J			
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND					ND					1.13E-01				YES
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					ND					5.64E-01				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND					ND					5.86E-01		YES	YES	
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					ND					6.65E-01				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					ND					2.37E-01				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					1.42E-01					5.52E-01				
Butyl benzyl phthalate	mg/kg	NA	1.56E+03	2.40E-01	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					1.53E-01					6.09E-01				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Dibenzofuran	mg/kg	NA	3.09E+01	NA	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					2.63E-01				YES	1.13E+00				YES
Fluorene	mg/kg	6.67E-01	3.09E+02	1.22E+02	ND					ND					3.60E-02	J			
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					2.71E-01				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND					ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					1.20E-01				YES	4.74E-01				YES
Phenol	mg/kg	NA	4.66E+03	5.00E-02	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					2.19E-01				YES	7.89E-01				YES
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					1.24E-01	B			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.60E-02	J				2.80E-02	J				2.20E-02	J			
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	3.30E-01	J				2.90E-01	J				2.00E-01	J			
Benzene	mg/kg	NA	2.17E+01	5.00E-02	ND					1.40E-03	J				7.00E-04	J			
Carbon disulfide	mg/kg	NA	7.77E+02	9.00E-02	ND					ND					1.60E-03	J			
Cumene	mg/kg	NA	7.77E+02	NA	ND					ND					ND				
Ethylbenzene	mg/kg	NA	7.77E+02	5.00E-02	1.10E-03	J				1.40E-03	J				6.80E-04	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND					ND				
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02	1.20E-03	J				4.60E-03	J				4.80E-04	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND					ND				
Xylene, Total	mg/kg	NA	1.55E+04	5.00E-02	5.50E-03					6.40E-03					2.80E-03	J			
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
WET CHEMISTRY																			
Total Organic Carbon	mg/kg	NA	NA	NA	NR					NR					1.65E+04	J			

Table 5-1

**Surface and Depositional Soil Analytical Results
Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
Fort McClellan, Calhoun County, Alabama**

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Analyses performed 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 (2000), *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 - Result is greater than method detection limit but less than or equal to reporting limit.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

NR - Analysis not requested.

Qual - Data validation qualifier.