

Table 5-3

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

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Parcel Sample Location Sample Number Sample Date				FTA-100-GP02 100 REP CV3001 21-Jan-99				FTA-100-GP04 100 REP CV3002 36180				FTA-100-MW01 100 REP CV3003 36132				FTA-100-MW02 100 REP CV3006 36132			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04	ND				ND				ND				ND			
4,4'-DDE	mg/L	NA	1.36E-04	ND				ND				ND				ND			
Aldrin	mg/L	NA	3.92E-06	ND				ND				ND				ND			
Endosulfan I	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Endosulfan II	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Heptachlor	mg/L	NA	1.46E-05	ND				ND				ND				ND			
Heptachlor epoxide	mg/L	NA	6.63E-06	ND				ND				ND				ND			
alpha-BHC	mg/L	NA	1.03E-05	ND				ND				ND				ND			
beta-BHC	mg/L	NA	3.61E-05	ND				ND				ND				ND			
delta-BHC	mg/L	NA	4.49E-04	ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/L	NA	5.03E-05	ND				ND				ND				ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	4.46E-01				9.27E-01				ND				5.69E-02	B		
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	5.81E-02	J			9.32E-02	J			6.13E-02	J			7.06E-02	J		
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.82E-04	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	4.83E+01				6.30E+01		YES		5.90E+01		YES		6.78E+01		YES	
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	8.93E-01		YES		2.55E+00			YES	4.83E-01			YES	1.43E-01	B		
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	1.91E+01				1.61E+01				1.84E+01				1.79E+01			
Manganese	mg/L	5.81E-01	7.35E-02	3.66E-01		YES		3.19E-01			YES	7.03E-01		YES	YES	2.90E-01			YES
Mercury	mg/L	NA	4.69E-04	5.40E-05	B			ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	1.13E-02	J			ND				ND				ND			
Potassium	mg/L	7.20E+00	NA	2.44E+00	J			3.69E+00	J			7.65E-01	J			1.14E+00	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	1.63E+01		YES		8.24E+00				8.24E+00				7.23E+00			
Thallium	mg/L	1.45E-03	1.02E-04	ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	1.48E-02	J		YES	1.37E-02	J		YES	1.64E-02	B		YES	1.88E-02	B	YES	YES
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND				ND			
NITROAROMATICS																			
2,6-Dinitrotoluene	mg/L	NA	9.81E-05	NR				NR				NR				NR			
2-Amino-4,6-dinitrotoluene	mg/L	NA	9.36E-05	NR				NR				NR				NR			
2-Nitrotoluene	mg/L	NA	1.53E-02	NR				NR				NR				NR			

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

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Parcel Sample Location Sample Number Sample Date				FTA-100-GP02 100 REP CV3001 21-Jan-99				FTA-100-GP04 100 REP CV3002 36180				FTA-100-MW01 100 REP CV3003 36132				FTA-100-MW02 100 REP CV3006 36132			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Phenol	mg/L	NA	9.31E-01	ND				ND				1.80E-03	B			3.10E-03	B		
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				ND				ND				ND			
Acetone	mg/L	NA	1.56E-01	ND				ND				ND				1.60E-03	B		
Benzene	mg/L	NA	1.40E-03	ND				ND				ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	ND				ND				ND				ND			
Chloromethane	mg/L	NA	3.92E-03	ND				ND				ND				ND			
Cumene	mg/L	NA	1.27E-01	ND				ND				ND				ND			
Ethylbenzene	mg/L	NA	1.40E-01	ND				ND				ND				ND			
Hexachlorobutadiene	mg/L	NA	8.40E-04	ND				ND				ND				2.00E-04	B		
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				2.00E-04	B			ND				ND			
cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	ND				4.30E-04	J			ND				ND			
m,p-Xylenes	mg/L	NA	2.80E+00	ND				ND				ND				ND			
n-Butylbenzene	mg/L	NA	9.57E-03	ND				ND				ND				ND			
n-Propylbenzene	mg/L	NA	1.30E-02	ND				ND				ND				ND			
sec-Butylbenzene	mg/L	NA	1.06E-02	ND				ND				ND				ND			
tert-Butylbenzene	mg/L	NA	1.14E-02	ND				ND				ND				ND			

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

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Parcel Sample Location Sample Number Sample Date				FTA-100-MW03 100 REP CV3007 36131				FTA-100-MW04 100 REP CV3008 36131				GSBP-152-MW01 100 REP BQ3006 36461				GSBP-152-MW02 100 REP BQ3007 36468			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04	ND				ND				ND				ND			
4,4'-DDE	mg/L	NA	1.36E-04	ND				ND				ND				ND			
Aldrin	mg/L	NA	3.92E-06	ND				ND				ND				ND			
Endosulfan I	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Endosulfan II	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Heptachlor	mg/L	NA	1.46E-05	ND				ND				ND				ND			
Heptachlor epoxide	mg/L	NA	6.63E-06	ND				ND				ND				ND			
alpha-BHC	mg/L	NA	1.03E-05	ND				ND				ND				ND			
beta-BHC	mg/L	NA	3.61E-05	ND				ND				ND				ND			
delta-BHC	mg/L	NA	4.49E-04	ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/L	NA	5.03E-05	ND				ND				ND				ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	1.57E+00			YES	ND				5.89E-02	J			6.50E-02	B		
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	6.52E-02	J			4.77E-02	J			5.49E-02	J			5.53E-02	J		
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.82E-04	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	7.41E+01		YES		3.37E+01				8.30E+01		YES		5.70E+01		YES	
Chromium	mg/L	NA	4.69E-03	5.00E-03	B		YES	ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	1.96E+00			YES	ND				5.64E-02	J			2.23E-01			
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	2.02E+01				1.52E+01				1.48E+01				1.13E+01			
Manganese	mg/L	5.81E-01	7.35E-02	4.18E-01			YES	2.72E-02				3.94E-02				6.10E-03	J		
Mercury	mg/L	NA	4.69E-04	ND				ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	ND				ND				2.10E-03	J			ND			
Potassium	mg/L	7.20E+00	NA	2.15E+00	J			2.22E+00	J			1.75E+00	J			1.51E+00	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	7.82E+00				6.53E+00				2.99E+00	J			3.63E+00	J		
Thallium	mg/L	1.45E-03	1.02E-04	ND				ND				9.60E-03	J		YES	YES	ND		
Vanadium	mg/L	1.70E-02	1.10E-02	2.15E-02	B		YES	1.18E-02	B			ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND				ND			
NITROAROMATICS																			
2,6-Dinitrotoluene	mg/L	NA	9.81E-05	NR				NR				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/L	NA	9.36E-05	NR				NR				ND				ND			
2-Nitrotoluene	mg/L	NA	1.53E-02	NR				NR				ND				ND			

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Parcel Sample Location Sample Number Sample Date				FTA-100-MW03 100 REP CV3007 36131				FTA-100-MW04 100 REP CV3008 36131				GSBP-152-MW01 100 REP BQ3006 36461				GSBP-152-MW02 100 REP BQ3007 36468			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	ND				6.50E-03	J			ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Phenol	mg/L	NA	9.31E-01	3.50E-03	B			4.10E-03	B			ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				ND				ND				ND			
Acetone	mg/L	NA	1.56E-01	ND				2.90E-03	B			ND				ND			
Benzene	mg/L	NA	1.40E-03	ND				ND				ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	ND				ND				ND				ND			
Chloromethane	mg/L	NA	3.92E-03	ND				ND				ND				ND			
Cumene	mg/L	NA	1.27E-01	ND				ND				ND				ND			
Ethylbenzene	mg/L	NA	1.40E-01	ND				ND				ND				ND			
Hexachlorobutadiene	mg/L	NA	8.40E-04	ND				ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				ND				ND				ND			
cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	ND				ND				ND				ND			
m,p-Xylenes	mg/L	NA	2.80E+00	ND				ND				ND				ND			
n-Butylbenzene	mg/L	NA	9.57E-03	ND				ND				ND				ND			
n-Propylbenzene	mg/L	NA	1.30E-02	ND				ND				ND				ND			
sec-Butylbenzene	mg/L	NA	1.06E-02	ND				ND				ND				ND			
tert-Butylbenzene	mg/L	NA	1.14E-02	ND				ND				ND				ND			

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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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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW03 100 REP BQ3008 36465				GSBP-152-MW04 100 REP BQ3009 36465				GSBP-152-MW05 100 REP BQ3010 36466				GSBP-152-MW06 100 REP BQ3011 36467			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04	2.80E-05	J			ND				ND				ND			
4,4'-DDE	mg/L	NA	1.36E-04	2.30E-05	J			ND				ND				ND			
Aldrin	mg/L	NA	3.92E-06	1.40E-04	J		YES	ND				ND				ND			
Endosulfan I	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Endosulfan II	mg/L	NA	9.35E-03	2.80E-05	J			ND				ND				ND			
Heptachlor	mg/L	NA	1.46E-05	2.40E-05	J		YES	ND				ND				ND			
Heptachlor epoxide	mg/L	NA	6.63E-06	4.20E-05	J		YES	ND				ND				ND			
alpha-BHC	mg/L	NA	1.03E-05	3.90E-05	J		YES	ND				ND				ND			
beta-BHC	mg/L	NA	3.61E-05	2.70E-04			YES	ND				ND				ND			
delta-BHC	mg/L	NA	4.49E-04	1.10E-04	J			ND				ND				ND			
gamma-BHC (Lindane)	mg/L	NA	5.03E-05	3.00E-05	J			ND				ND				ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	4.23E-01				5.66E-02	B			9.80E-02	B			2.29E-01			
Arsenic	mg/L	1.78E-02	4.46E-05	ND				ND				ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	3.29E-02	J			7.01E-02	J			1.25E-01	J		YES	1.16E-01	J		YES
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.82E-04	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	2.53E+01				4.70E+01				4.75E+01				4.33E+01			
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	3.82E-01				7.64E-02	J			5.59E-01			YES	6.67E-01			YES
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	6.96E+00				1.62E+01				1.13E+01				1.43E+01			
Manganese	mg/L	5.81E-01	7.35E-02	1.84E-01			YES	3.81E-02				3.08E-01			YES	2.54E-01			YES
Mercury	mg/L	NA	4.69E-04	ND				ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	3.90E-03	J			2.40E-03	J			1.90E-03	J			2.50E-03	J		
Potassium	mg/L	7.20E+00	NA	3.22E+00	J			2.00E+00	J			1.56E+00	J			9.66E-01	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	3.50E+00	J			1.14E+01				1.55E+01		YES		9.38E+00			
Thallium	mg/L	1.45E-03	1.02E-04	ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	4.20E-03	B			ND				ND				5.30E-03	B		
NITROAROMATICS																			
2,6-Dinitrotoluene	mg/L	NA	9.81E-05	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/L	NA	9.36E-05	ND				ND				ND				ND			
2-Nitrotoluene	mg/L	NA	1.53E-02	5.20E-03				ND				ND				ND			

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Fort McClellan, Calhoun County, Alabama

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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW03 100 REP BQ3008 36465				GSBP-152-MW04 100 REP BQ3009 36465				GSBP-152-MW05 100 REP BQ3010 36466				GSBP-152-MW06 100 REP BQ3011 36467			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Phenol	mg/L	NA	9.31E-01	ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				ND				ND				ND			
Acetone	mg/L	NA	1.56E-01	2.50E-03 B				1.00E-03 B				ND				ND			
Benzene	mg/L	NA	1.40E-03	ND				ND				ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	3.20E-04 J				ND				ND				ND			
Chloromethane	mg/L	NA	3.92E-03	1.60E-04 J				ND				ND				ND			
Cumene	mg/L	NA	1.27E-01	ND				ND				ND				ND			
Ethylbenzene	mg/L	NA	1.40E-01	ND				ND				ND				ND			
Hexachlorobutadiene	mg/L	NA	8.40E-04	ND				ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				ND				ND				ND			
cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	ND				ND				ND				ND			
m,p-Xylenes	mg/L	NA	2.80E+00	ND				ND				ND				ND			
n-Butylbenzene	mg/L	NA	9.57E-03	ND				ND				ND				ND			
n-Propylbenzene	mg/L	NA	1.30E-02	ND				ND				ND				ND			
sec-Butylbenzene	mg/L	NA	1.06E-02	ND				ND				ND				ND			
tert-Butylbenzene	mg/L	NA	1.14E-02	ND				ND				ND				ND			

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Autocraft Shop/Former DPDO and Former Motor Pool Area 2100 North of DPDO
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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW07 100 REP BQ3012 36467				GSBP-152-MW08 100 REP BQ3013 36467				GSBP-152-MW09 100 REP BQ3016 36466				GSBP-152-MW10 100 REP BQ3017 36466			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04	ND				ND				ND				ND			
4,4'-DDE	mg/L	NA	1.36E-04	ND				ND				ND				ND			
Aldrin	mg/L	NA	3.92E-06	ND				ND				ND				ND			
Endosulfan I	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Endosulfan II	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Heptachlor	mg/L	NA	1.46E-05	ND				ND				ND				ND			
Heptachlor epoxide	mg/L	NA	6.63E-06	ND				ND				ND				ND			
alpha-BHC	mg/L	NA	1.03E-05	ND				ND				ND				ND			
beta-BHC	mg/L	NA	3.61E-05	ND				ND				ND				ND			
delta-BHC	mg/L	NA	4.49E-04	ND				ND				ND				ND			
gamma-BHC (Lindane)	mg/L	NA	5.03E-05	ND				ND				ND				ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	7.69E-01				8.99E-02	B			1.12E+01		YES	YES	5.44E-01			
Arsenic	mg/L	1.78E-02	4.46E-05	ND				3.00E-03	B		YES	ND				3.80E-03	B		YES
Barium	mg/L	1.27E-01	1.10E-01	2.07E-02	J			8.61E-02	J			1.02E-01	J			9.09E-02	J		
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.82E-04	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	7.84E+00				5.07E+01				1.93E+01				5.09E+01			
Chromium	mg/L	NA	4.69E-03	ND				ND				8.80E-03	B		YES	ND			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				ND				3.80E-03	J			ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				ND				1.94E-02	J			3.10E-03	B		
Iron	mg/L	7.04E+00	4.69E-01	4.82E-01			YES	5.68E-01			YES	8.56E+00		YES	YES	1.70E+00			YES
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				5.60E-03				ND			
Magnesium	mg/L	2.13E+01	NA	5.95E+00				1.55E+01				6.67E+00				1.31E+01			
Manganese	mg/L	5.81E-01	7.35E-02	1.41E-02	J			3.01E-01			YES	1.92E-01			YES	2.84E-01			YES
Mercury	mg/L	NA	4.69E-04	ND				ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	7.00E-03	J			2.40E-03	J			1.24E-02	J			2.90E-03	J		
Potassium	mg/L	7.20E+00	NA	7.14E-01	J			2.10E+00	J			4.56E+00	J			3.00E+00	J		
Selenium	mg/L	NA	7.82E-03	3.80E-03	J			ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	2.71E+00	J			6.73E+00				2.89E+00	J			8.19E+00			
Thallium	mg/L	1.45E-03	1.02E-04	ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				2.24E-02	J		YES	YES	ND		
Zinc	mg/L	2.20E-01	4.69E-01	9.40E-03	B			2.80E-03	B			2.72E-02				3.70E-03	B		
NITROAROMATICS																			
2,6-Dinitrotoluene	mg/L	NA	9.81E-05	ND				ND				ND				ND			
2-Amino-4,6-dinitrotoluene	mg/L	NA	9.36E-05	ND				ND				ND				ND			
2-Nitrotoluene	mg/L	NA	1.53E-02	ND				ND				ND				ND			

Table 5-3

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

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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW07 100 REP BQ3012 36467				GSBP-152-MW08 100 REP BQ3013 36467				GSBP-152-MW09 100 REP BQ3016 36466				GSBP-152-MW10 100 REP BQ3017 36466			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Phenol	mg/L	NA	9.31E-01	ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				ND				ND				ND			
Acetone	mg/L	NA	1.56E-01	ND				ND				9.80E-04	B			ND			
Benzene	mg/L	NA	1.40E-03	ND				ND				ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	ND				ND				1.20E-04	B			ND			
Chloromethane	mg/L	NA	3.92E-03	ND				ND				ND				ND			
Cumene	mg/L	NA	1.27E-01	ND				ND				ND				ND			
Ethylbenzene	mg/L	NA	1.40E-01	ND				ND				ND				ND			
Hexachlorobutadiene	mg/L	NA	8.40E-04	ND				ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				ND				ND				ND			
cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	ND				ND				ND				ND			
m,p-Xylenes	mg/L	NA	2.80E+00	ND				ND				ND				ND			
n-Butylbenzene	mg/L	NA	9.57E-03	ND				ND				ND				ND			
n-Propylbenzene	mg/L	NA	1.30E-02	ND				ND				ND				ND			
sec-Butylbenzene	mg/L	NA	1.06E-02	ND				ND				ND				ND			
tert-Butylbenzene	mg/L	NA	1.14E-02	ND				ND				ND				ND			

Table 5-3

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

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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW11 100 REP BQ3018 36467				GSBP-152-MW12 100 REP BQ3053 36468				GSBP-152-MW13 100 REP BQ3054 36468				GSBP-152-MW14 100 REP BQ3055 36468			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04	ND				ND				6.00E-05				ND			
4,4'-DDE	mg/L	NA	1.36E-04	ND				ND				ND				ND			
Aldrin	mg/L	NA	3.92E-06	ND				4.00E-05	J		YES	5.50E-05	J		YES	ND			
Endosulfan I	mg/L	NA	9.35E-03	ND				ND				3.60E-05	J			ND			
Endosulfan II	mg/L	NA	9.35E-03	ND				ND				ND				ND			
Heptachlor	mg/L	NA	1.46E-05	ND				ND				2.80E-05	J		YES	ND			
Heptachlor epoxide	mg/L	NA	6.63E-06	ND				2.20E-05	J		YES	5.60E-05	J		YES	ND			
alpha-BHC	mg/L	NA	1.03E-05	ND				ND				ND				ND			
beta-BHC	mg/L	NA	3.61E-05	ND				1.30E-04			YES	ND				ND			
delta-BHC	mg/L	NA	4.49E-04	ND				1.90E-05	J			2.40E-05	J			ND			
gamma-BHC (Lindane)	mg/L	NA	5.03E-05	ND				ND				1.00E-04			YES	ND			
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	7.76E-02	B			7.53E-01				4.38E-01				7.50E-02	B		
Arsenic	mg/L	1.78E-02	4.46E-05	ND				4.20E-03	B		YES	ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	3.00E-02	J			9.24E-02	J			7.39E-02	J			6.42E-02	J		
Beryllium	mg/L	1.24E-03	3.12E-03	ND				ND				ND				ND			
Cadmium	mg/L	2.51E-03	7.82E-04	ND				ND				ND				ND			
Calcium	mg/L	5.65E+01	NA	1.97E+01				8.28E+01		YES		6.11E+01		YES		5.98E+01		YES	
Chromium	mg/L	NA	4.69E-03	ND				ND				ND				ND			
Cobalt	mg/L	2.34E-02	9.39E-02	8.60E-03	J			ND				ND				ND			
Copper	mg/L	2.55E-02	6.26E-02	ND				2.90E-03	B			ND				ND			
Iron	mg/L	7.04E+00	4.69E-01	2.43E+00			YES	1.57E+00			YES	6.21E-01			YES	ND			
Lead	mg/L	7.99E-03	1.50E-02	ND				ND				ND				ND			
Magnesium	mg/L	2.13E+01	NA	9.22E+00				6.67E+00				5.87E+00				6.87E+00			
Manganese	mg/L	5.81E-01	7.35E-02	6.62E-01		YES	YES	1.40E+00		YES	YES	3.98E-01			YES	4.30E-02			
Mercury	mg/L	NA	4.69E-04	ND				ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	2.51E-02	J			4.20E-03	J			2.60E-03	J			ND			
Potassium	mg/L	7.20E+00	NA	1.56E+00	J			2.04E+00	J			1.42E+00	J			1.66E+00	J		
Selenium	mg/L	NA	7.82E-03	ND				ND				ND				ND			
Sodium	mg/L	1.48E+01	NA	6.09E+00				3.34E+00	J			2.82E+00	J			2.47E+00	J		
Thallium	mg/L	1.45E-03	1.02E-04	ND				ND				ND				ND			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	1.34E-02	B			3.30E-03	B			3.30E-03	B			ND			
NITROAROMATICS																			
2,6-Dinitrotoluene	mg/L	NA	9.81E-05	ND				ND				ND				2.50E-04	B		YES
2-Amino-4,6-dinitrotoluene	mg/L	NA	9.36E-05	ND				ND				ND				2.80E-04			YES
2-Nitrotoluene	mg/L	NA	1.53E-02	ND				ND				ND				ND			

Table 5-3

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

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Parcel Sample Location Sample Number Sample Date				GSBP-152-MW11 100 REP BQ3018 36467				GSBP-152-MW12 100 REP BQ3053 36468				GSBP-152-MW13 100 REP BQ3054 36468				GSBP-152-MW14 100 REP BQ3055 36468			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
SEMIVOLATILE ORGANIC COMPOUNDS																			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	ND				1.10E-03	J			ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				1.30E-03	J			ND				ND			
Phenol	mg/L	NA	9.31E-01	ND				ND				ND				ND			
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				ND				ND				ND			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				5.70E-04	J		YES	ND				ND			
Acetone	mg/L	NA	1.56E-01	ND				ND				ND				ND			
Benzene	mg/L	NA	1.40E-03	ND				4.30E-04	J			ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	ND				1.20E-04	B			ND				ND			
Chloromethane	mg/L	NA	3.92E-03	ND				ND				1.30E-04	J			ND			
Cumene	mg/L	NA	1.27E-01	ND				4.10E-03				ND				ND			
Ethylbenzene	mg/L	NA	1.40E-01	ND				6.60E-03				ND				ND			
Hexachlorobutadiene	mg/L	NA	8.40E-04	ND				ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Naphthalene	mg/L	NA	3.00E-03	ND				6.90E-03			YES	ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				3.20E-04	J			ND				ND			
cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	ND				ND				ND				ND			
m,p-Xylenes	mg/L	NA	2.80E+00	ND				4.40E-04	J			ND				ND			
n-Butylbenzene	mg/L	NA	9.57E-03	ND				4.30E-04	J			ND				ND			
n-Propylbenzene	mg/L	NA	1.30E-02	ND				3.50E-03				ND				ND			
sec-Butylbenzene	mg/L	NA	1.06E-02	ND				4.70E-04	J			ND				ND			
tert-Butylbenzene	mg/L	NA	1.14E-02	ND				3.70E-04	J			ND				ND			

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*.

^b Residential human health site-specific screening level (SSSL) 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/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.