

Table 5-2

Subsurface Soil Analytical Results
Ground Scar South of Building 3134, Parcel 153(7)
Fort McClellan, Calhoun County, Alabama

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Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)				GSBP-153 GSBP-153-MW01 BZ0002 18-Jan-00 3-4				GSBP-153 SI13-SS01 13-SS01B 11-May-98 3-4				GSBP-153 SI13-SS02 13-SS02B 11-May-98 3-5				GSBP-153 SI13-SS03 13-SS03B 11-May-98 3-5			
Parameter	Units	BKG ^a	SSSL ^b	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	1.22E+04			YES	9.69E+03			YES	6.33E+03				9.29E+03			YES
Antimony	mg/kg	1.31E+00	3.11E+00	8.90E-01	J			ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	8.30E+00			YES	7.80E+00			YES	4.09E+00			YES	8.69E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	3.09E+01				2.03E+01				1.67E+01				2.02E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	9.30E-01		YES		7.66E-01				7.29E-01				8.81E-01		YES	
Calcium	mg/kg	6.37E+02	NA	1.39E+02	J			9.81E+01				1.79E+02				8.33E+01			
Chromium	mg/kg	3.83E+01	2.32E+01	1.17E+01				1.44E+01	J			1.02E+01				1.19E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	1.90E+00	J			1.29E+00				1.67E+00				1.76E+00			
Copper	mg/kg	1.94E+01	3.13E+02	3.90E+01		YES		4.07E+01		YES		3.35E+01		YES		4.52E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	4.16E+04			YES	3.59E+04			YES	2.87E+04			YES	4.05E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	3.18E+01				2.37E+01				2.27E+01				2.38E+01			
Magnesium	mg/kg	7.66E+02	NA	2.16E+02	J			1.20E+02				6.45E+01				1.04E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	7.25E+01				4.55E+01	J			4.90E+01				5.95E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00	1.10E-01	J	YES		2.70E-02				3.11E-02				3.81E-02			
Nickel	mg/kg	1.29E+01	1.54E+02	1.01E+01				8.37E+00				5.85E+00				8.81E+00			
Potassium	mg/kg	7.11E+02	NA	6.31E+02				4.55E+02				3.11E+02				4.64E+02			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				7.41E-01		YES		ND			
Sodium	mg/kg	7.02E+02	NA	ND				7.42E+01	B			9.44E+01				8.57E+01	B		
Thallium	mg/kg	1.40E+00	5.08E-01	1.00E+00	B		YES	ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.78E+01				3.11E+01				2.75E+01				3.33E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.99E+01				2.87E+01				1.91E+01				2.86E+01			
VOLATILE ORGANIC COMPOUNDS																			
1,1,1-Trichloroethane	mg/kg	NA	1.55E+03	ND				3.10E-02				2.10E-02				5.40E-03			
1,1-Dichloroethene	mg/kg	NA	1.05E+00	ND				1.80E-03	J			1.10E-03	J			ND			
1,2-Dichloroethene	mg/kg	NA	7.00E+01	ND				1.80E-03	J			1.20E-03	J			ND			
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				3.80E-03	J			5.90E-03	J		
Acetone	mg/kg	NA	7.76E+02	ND				ND				4.20E-02	J			1.50E-01			
Benzene	mg/kg	NA	2.17E+01	ND				1.00E-03	J			8.60E-04	J			5.60E-04	J		
Ethylbenzene	mg/kg	NA	7.77E+02	ND				7.20E-03				7.10E-03				5.90E-03			
Methylene chloride	mg/kg	NA	8.41E+01	4.00E-03	B			1.40E-02	B			9.10E-03	B			1.90E-03	B		
Tetrachloroethene	mg/kg	NA	1.21E+01	ND				2.20E-02				2.10E-02				1.60E-02			
Toluene	mg/kg	NA	1.55E+03	ND				4.20E-03	J			3.60E-03	J			4.30E-03	J		
Trichloroethene	mg/kg	NA	5.72E+01	ND				7.20E-03				5.40E-03				1.80E-03	J		
Trichlorofluoromethane	mg/kg	NA	2.33E+03	2.40E-03	J			ND				ND				ND			
Xylene, Total	mg/kg	NA	1.55E+04	ND				3.20E-02				3.10E-02				2.70E-02			
SEMI-VOLATILE ORGANIC COMPOUNDS																			
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	6.70E-02	B			ND				ND				ND			

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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.

^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/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.