

Table 5-3

Groundwater 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				GSBP-153 GSBP-153-MW01 BZ3001 6-Dec-99				GSBP-153 SI13-GWS01 13-GWS01 26-May-98				GSBP-153 SI13-GWS02 13-GWS02 19-May-98				GSBP-153 SI13-GWS03 13-GWS03 18-May-98			
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/L	2.34E+00	1.56E+00	9.41E-01	J			3.71E+01		YES	YES	8.80E+00		YES	YES	1.50E+01		YES	YES
Arsenic	mg/L	1.78E-02	4.00E-05	ND				1.06E-02			YES	3.35E-03			YES	1.04E-02			YES
Barium	mg/L	1.27E-01	1.10E-01	1.71E-01	J	YES	YES	2.50E-01		YES	YES	1.36E-01		YES	YES	2.14E-01		YES	YES
Beryllium	mg/L	1.24E-03	3.12E-03	ND				1.65E-03		YES		5.31E-04				6.78E-04			
Cadmium	mg/L	2.51E-03	7.80E-04	ND				ND				ND				3.89E-03		YES	YES
Calcium	mg/L	5.65E+01	NA	1.31E+01				1.12E+00	J			1.08E+00	J			4.61E+00	J		
Chromium	mg/L	NA	4.69E-03	ND				5.03E-02			YES	1.21E-02			YES	3.49E-02			YES
Cobalt	mg/L	2.34E-02	9.39E-02	4.20E-03	J			5.00E-03				2.59E-03				7.45E-03			
Copper	mg/L	2.55E-02	6.26E-02	ND				7.51E-02		YES	YES	2.92E-02		YES		4.95E-02		YES	
Iron	mg/L	7.04E+00	4.69E-01	3.57E+00			YES	3.51E+01		YES	YES	9.19E+00		YES	YES	5.41E+01		YES	YES
Lead	mg/L	7.99E-03	1.50E-02	ND				3.90E-02		YES	YES	1.52E-02		YES	YES	3.89E-02		YES	YES
Magnesium	mg/L	2.13E+01	NA	7.66E+00				3.63E+00				1.28E+00				1.08E+01			
Manganese	mg/L	5.81E-01	7.35E-02	2.46E-01			YES	4.11E-02	J			5.42E-02				4.88E-01			YES
Mercury	mg/L	NA	4.60E-04	1.40E-04	B			ND				ND				ND			
Nickel	mg/L	NA	3.13E-02	5.40E-03	J			1.71E-02				6.51E-03				1.76E-02			
Potassium	mg/L	7.20E+00	NA	6.20E-01	B			7.94E+00		YES		2.60E+00				1.76E+00			
Sodium	mg/L	1.48E+01	NA	5.31E+00				2.57E+00				2.29E+00				2.11E+00			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				5.76E-02	J	YES	YES	1.87E-02		YES	YES	4.48E-02		YES	YES
Zinc	mg/L	2.20E-01	4.69E-01	8.30E-03	J			7.37E-02				2.42E-02	J			7.96E-02	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/L	NA	7.14E-01	ND				ND				5.20E-03	J			ND			
Acetone	mg/L	NA	1.56E-01	ND				9.50E-03	B			7.50E-03	B			9.60E-03	B		
Chloromethane	mg/L	NA	3.92E-03	1.20E-04	J			ND				ND				ND			
Methyl tert-Butyl Ether ^c	mg/L	NA	NA	ND				ND				ND				5.00E-03	J		
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				5.40E-03	B			3.00E-03	B		
SEMIVOLATILE ORGANIC COMPOUNDS																			
bis(2-Ethylhexyl)phthalate	mg/L	NA	4.30E-03	ND				NR				NR				2.50E-03	B		

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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.

^c Methyl tert-butyl ether is a tentatively identified compound and is not part of the VOC target compound list. The concentration is estimated.

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.

NR - Analysis not requested.

Qual - Data validation qualifier.