

**Table 2.2 Laboratory Analytical Methods, Detection Limits, and Regulatory Criteria
Camp Stanley Storage Activity, Texas**

Analyte	Method	Detection Limits						AFCEE QAPP Required RL (mg/kg) ¹	State of Texas Regulatory Criteria				EPA Region 6						
		NET Lab		Terra Lab		APPL Lab			GWP-Ind ² (mg/kg)	SAI-Ind ³ (mg/kg)	Risk-Based Screening Values ⁴ (mg/kg)	Texas-Specific Background Concentration ⁵ (mg/kg)	Risk-Based Screening Levels						
		MDL (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	PQL (mg/kg)						Industrial (mg/kg)	Industrial w/ dermal (mg/kg)	Residential	Residential w/ dermal (mg/kg)	Soil Screening Level - Transfers from Soil to Groundwater (mg/kg)	Background Concentration or Range ⁵ (mg/kg)	
Arsenic	SW6010	NA	2	--	--	--	--	40	5	20	20	5.9	2.3	3.8	0.39	0.43	1	1.1 - 16.7	
	SW7060A	--	--	0.2	0.5	0.18	0.5	0.5											
Barium	SW6010	NA	1	NA	2	0.08	1	1	200	99,000	910	800	100,000	100,000	5,400	5,400	82	430	
	SW7131A	--	--	--	--	0.02	0.1	0.1	0.5	410	3.3	NA	1,000	1,000	39	39	0.4	0.01 - 1.0	
Cadmium	SW6010	NA	0.5	1.5	4	--	--	0.5	10	240,000	5,300	30	450	450	210	210	2	38	
Chromium	SW6010	NA	2	NA	7	0.1	20	20	10	74,000	1,000	15	76,000	76,000	2,900	2,900	NS	20	
	SW7421	--	--	NA	30	--	--	10	1.5	1,000	500	15	2,000	NS	400	NS	NS	10 - 18	
Copper	SW6010	NA	0.5	--	--	0.19	2	2	130			15							
	SW7421	--	--	NA	0.5	0.19	0.5	0.5	0.04	610	610	23	23	NS	NS	0.1			
Mercury	SW6010	NA	0.02	0.01	0.1	0.01	0.1	0.1	0.2	0.15	0.61	0.04	610	610	23	23	NS	0.1	
	SW7421	--	--	NA	0.5	0.19	0.5	0.5	10	12,000	190	10	41,000	41,000	1,600	1,600	7	16	
Nickel	SW6010	NA	1.6	--	--	0.12	2	2	2	3,100	410,000	5,900	30	100,000	100,000	23,000	23,000	620	22 - 50
	SW7421	--	--	NA	0.5	0.19	0.5	0.5	10	12,000	190	10	41,000	41,000	1,600	1,600	7	16	
Zinc	SW6010	NA	1	--	--	0.63	5	5	1	3,100	410,000	5,900	30	100,000	100,000	23,000	23,000	620	22 - 50

1 AFCEE RL values are from Version 3.0 of the AFCEE Quality Assurance Project Plan (AFCEE, 1999).
2 GWP-Ind and SAI-Ind are from 30 TAC 335 Subchapter 5, updated July 1, 1998.
3 Risk based screening values are from the TNRC Interoffice Memorandum regarding Implementation of the existing Risk Reduction Rule Values updated September 18, 1998.
4 Texas-specific background concentrations are from 30 TAC 351.51(m).
5 Background concentrations are from EPA Region 6 Human Health Medium-Specific Screening Levels, November 2001.