

Table 4.2 Laboratory Analytical Methods¹
Camp Stanley Storage Activity, Texas

Analyte	Analytical Method(s) ¹		
	Water	Soil	Sediment
Organics			
Nitroaromatics and nitramines	8330	8330	8330
Volatile organics	NA	NA	5030/8240
Semivolatile organics	NA	NA	8270
Inorganics			
Arsenic	7062	7062	7062
Mercury	7471	7471	7471
ICP metals²			
Extraction	3010	3050	3050
Analysis	6010	6010	6010
Arsenic	7062	7062	7062
Lead			
Extraction	3005	3050	3050
Analysis	7421	7420	7420
Mercury	7471	7471	7471
pH (field test)	150.1	NA	NA
Geotechnical³ (soil samples only)			
Moisture content	NA	ASTM D2216	NA
Grain size	NA	ASTM D422	NA
Porosity	NA	ASTM D4404 ^a	NA
Permeability	NA	ASTM D4525 ^b	NA
Cation exchange capacity	NA	SSSA ^c	NA
pH	NA	150.1	NA

¹ *Test Methods for Evaluating Solid Waste* (EPA SW 846, November 1986), and *Methods for Chemical Analysis of Water and Waste* (EPA, March 1983).

² ICP metals = Barium, cadmium, chromium

³ *ASTM Annual Book of Standards*, volume 4.08, 1992

^a API method RP-40, section 3.5.11, modification A1 may also be used.

^b API method RP-40, sections 3.5.15.1 and 3.5.15.2(1) may also be used.

^c Soil Science of America, "Methods of Soil Analysis, Part II, Chemical and Microbiological Properties," 2nd edition, p. 149, 1982.

NA not applicable

Note: See Table 6.1 for list of target compounds.