

Table B1-1 Chemical Constituents Detected in Soil at SWMU B-1, February 1995
Camp Stanley Storage Activity, Texas

Constituent	Comparison Criteria							Soil Sample Analytical Results ^a																				
	Lab		Back-ground ^b	Back-ground ^b	Back-ground ^b	Back-ground ^b	RRS2-GWP ^c	RRS2-SAI ^c	B1-SB1	B1-SB1	B1-SB1	B1-SB2	B1-SB2	B1-SB2 ^d	B1-SB2	B1-SB3	B1-SB3	B1-SB3										
	MDL	PQL	Glen Rose	Trinity Frio	Tarrant	Krum	(Ind.)	(Ind.)	1.0-4.0	14.0-15.0	29.0-30.0	1.0-2.0	14.0-15.0	14.0-15.0	29.0-30.0	1.0-2.0	14.0-15.0	29.0-30.0										
VOCs, SW8260 (ug/kg):																												
No analytes detected	--	--	--	--	--	--	--	--	--	U ₁	U ₁	U ₁	U ₁	U ₁	U ₁	U ₁	U ₁	U ₁										
SVOCs, SW8270 (ug/kg)^e:																												
Bis(2-ethylhexyl)phthalate	NA	1,000	--	--	--	--	600	65,000	3,400	J	2,400	1,000	U ₁	1,000	U ₁	1,000	U ₁	1,000	U ₁	1,500	1,000	U ₁						
Butylbenzylphthalate	NA	1,000	--	--	--	--	2000000	2E+08	2,100	J	1,800	1,000	U ₁	1,000	U ₁	1,000	U ₁	1,000	U ₁	1,000	U ₁	1,000	U ₁					
Di-n-butylphthalate	NA	1,000	--	--	--	--	1000000	1E+08	2,800	J	3,300	3,200	1,000	U ₁	5,100	1,000	U ₁	1,000	U ₁	1,800	2,500	3,600						
Metals, SW6010 (mg/kg):																												
Cadmium	NA	0.25	2.0	2.3	2.6	2.6	0.50	410	1.8	U ₂	0.25	U ₁	0.33	U ₂	0.57	U ₂	0.49	U ₂	0.48	U ₂	0.47	U ₂	0.45	U ₂	0.35	U ₂	0.48	U ₂
Calcium	NA	25	--	--	--	--	--	--	44,600	230,000	214,000	212,000	212,000	222,000	246,000	211,000	233,000	188,000										
Chromium	NA	0.5	3.1	46.8	69.2	50.7	10	240,000	16	0.74	U ₂	1.2	U ₂	3.7	U ₂	2.3	3.0	U ₂	0.79	U ₂	2.2	U ₂	1.5	U ₂	1.5	U ₂	2.5	U ₂
Copper	NA	0.5	6.9	25.6	28.9	28.2	130	74,000	6.9	1.1	0.83	1.9	1.6	1.6	0.94	1.9	1.2	1.2										
Iron	NA	2.5	--	--	--	--	--	--	17,400	670	1,200	3,600	2,400	2,400	2,300	2,400	1,400	2,700										
Lead ^f	NA	1.5	69.3	214	105	82.4	1.5	1,000	15	1.5	U ₁	1.5	U ₁	3.9	2.4	2.6	1.5	U ₁	1.5	U ₁	1.5	U ₁	1.5	U ₁	1.5	U ₁	2.7	
Magnesium	NA	25	--	--	--	--	--	--	2,100	2,600	8,200	1,500	2,100	2,400	13,400	880	2,400	44,000										
Manganese	NA	0.5	--	--	--	--	1,400	81,000	360	42	30	28	41	44	45	31	40	63										
Nickel	NA	0.5	29.9	30.8	44.9	46.5	200	12,000	10	1.3	U ₂	2.9	2.7	4.8	5.0	2.3	U ₂	2.0	U ₂	2.0	U ₂	2.0	U ₂	1.6	U ₂			
Potassium	NA	25	--	--	--	--	--	--	1,800	66	140	800	580	780	420	480	340	1,200										

Notes:

- ^a All samples were analyzed by Chemron, inc., San Antonio, Texas. All results reported on a wet-weight basis.
- ^b Background values from *Evaluation of Background Metals Concentrations in Soil Types at Camp Stanley Storage Activity, June 1997*.
- ^c Industrial risk reduction standards for groundwater protection (GWP), soil-air ingestion (SAI), and groundwater (GW).
- ^d Duplicate sample.
- ^e Sixty-five semivolatile analytes were not detected, but the results were rejected due to deficiencies in quality control criteria. The presence or absence of the analytes cannot be verified.
- ^f The background concentration of lead is greater than the groundwater protection (GWP) standard.
Sample concentrations are only highlighted if they also exceed the background concentration.

Concentrations exceeding RRS1 background levels are in bold type.

Concentrations exceeding RRS2 standards are highlighted.

CLP Data Qualifiers:

- U₁ The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U₂ The sample contained less than five times the amount of the analyte in the corresponding method blank.

Acronyms and Abbreviations

- MDL Method detection limit
- mg/kg Milligram per kilogram
- NA Not available
- PQL Practical quantitation limit
- RRS2 Risk reduction standard 2
- SVOC Semivolatile organic compound
- ug/kg Microgram per kilogram
- VOC Volatile organic compound