

Table B28-1 Summary of Chemical Constituents Detected in Soil, February 1995
Solid Waste Management Unit B-28

Constituent	Soil Comparison Criteria						Soil Sample Analytical Results ^a									
	Lab MDL	Lab PQL	Back-ground ^b Glen Rose	Back-ground ^b Soil	RRS2-GWP ^c (Ind.)	RRS2-SAI ^c (Ind.)	B28-SB01	B28-SB01	B28-SB01	B28-SB02	B28-SB02	B28-SB02	B28-SB03	B28-SB03	B28-SB03 ^d	B28-SB03
Sample ID	Depth (ft)	Soil/Rock Type	Date Collected	B28-SB01	B28-SB01	B28-SB01	B28-SB02	B28-SB02	B28-SB02	B28-SB02	B28-SB03	B28-SB03	B28-SB03 ^d	B28-SB03	B28-SB03	
VOCs, SW8260 (ug/kg):																
No analytes detected	NA	--	--	--	--	--	-- U ₁	-- 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	350 U ₁	350 U ₁	350 U ₁	350 U ₁	350 U ₁	333 U ₁	350 U ₁	350 U ₁	350 U ₁	350 U ₁
Butylbenzylphthalate	NA	1,000	--	--	2,000,000	200,000,000	350 U ₁	350 U ₁	350 U ₁	350 U ₁	350 U ₁	333 U ₁	350 U ₁	350 U ₁	350 U ₁	350 U ₁
Di-n-butylphthalate	NA	1,000	--	--	1,000,000	100,000,000	350 U ₁	350 U ₁	350 U ₁	350 U ₁	350 U ₁	333 U ₁	470	350 U ₁	720	750
Metals, SW6010 (mg/kg):																
Cadmium	NA	0.25	0.10	3.00	0.50	410	0.62 U ₂	0.59 U ₂	0.56	2.7 U ₂	0.36 U ₂	0.91 U ₂	2.90 U ₂	0.48 U ₂	0.53 U ₂	0.42 U ₂
Calcium	NA	25	--	--	--	--	182,000	271,000	252,000	69,200	283,000	252,000	17,000	204,000	199,000	227,000
Chromium	NA	0.5	8.1	40.2	10	240,000	2.1 U ₂	3.3	2.2 U ₂	16	1.2 U ₂	1.8 U ₂	15	2.0 U ₂	2.6 U ₂	1.6 U ₂
Copper	NA	0.5	13.1	23.2	130	74,000	1.6	1.3	1.4	7.7	2.2	0.95	28	1.5	1.6	1.4
Iron	NA	2.5	--	--	--	--	3,400	3,100	1,500	17,400	1,600	3,200	15,700	2,400	2,700	1,900
Lead ^f	NA	1.5	5.50	85	1.5	1,000	2.3	1.6	1.5 U ₁	16	1.5 U ₁	1.5 U ₁	20	1.6	2.5	1.7
Magnesium	NA	25	--	--	--	--	2,200	2,800	12,100	2,400	2,200	2,900	2,900	2,200	2,200	5,600
Manganese	NA	0.5	--	--	1,400	81,000	50	46	31	310	60	39	510	38	37	44
Nickel	NA	0.5	6.80	35.5	200	12,000	3.1	3.2	4.6	11	2.2	6.5	13	4.4	4.2	2.5
Potassium	NA	25	--	--	--	--	650	920	760	2,800	300	610	3,400	520	780	540

Constituent	Soil Sample Analytical Results (Continued) ^a														
	B28-SB04	B28-SB04	B28-SB04	B28-SB05	B28-SB05	B28-SB05	B28-SB06	B28-SB06	B28-SB06	B28-SB06					
Sample ID	Depth (ft)	Soil/Rock Type	Date Collected	B28-SB04	B28-SB04	B28-SB04	B28-SB05	B28-SB05	B28-SB05	B28-SB06	B28-SB06	B28-SB06	B28-SB06	B28-SB06	B28-SB06
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	-- U ₁	-- U ₁	-- U ₁	-- U ₁	-- U ₁	-- U ₁
SVOCs, SW8270 (ug/kg)^e:															
Bis(2-ethylhexyl)phthalate	350 U ₁	350 U ₁	350 U ₁	4,200	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁
Butylbenzylphthalate	350 U ₁	350 U ₁	350 U ₁	3,000	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	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	350 U ₁	350 U ₁	590	3,400	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁	1,000 U ₁
Metals, SW6010 (mg/kg):															
Cadmium	0.93 U ₂	0.37 U ₂	0.34 U ₂	1.9 U ₂	0.25 U ₁	0.78 U ₂	1.8 U ₂	0.73 U ₂	0.5 U ₂						
Calcium	142,000	306,000	271,000	343,000	348,000	184,000	128,000	238,000	221,000						
Chromium	6.0	1.0 U ₂	1.0 U ₂	12	0.79 U ₂	4.0	11	3.6	2.5 U ₂						
Copper	2.9	0.95	0.59	7.1	1.2	2.0	5.7	1.5	2.3						
Iron	5,100	1,600	1,400	14,000	520	4,600	12,100	4,400	2,900						
Lead ^f	5.0	1.5 U ₁	1.5 U ₁	12	1.5 U ₁	3.4	11	2.9	1.5 U ₁						
Magnesium	1,500	7,300	7,500	4,600	2,200	28,400	2,000	18,000	41,100						
Manganese	130	5.3	28	270	49	63	200	82	69						
Nickel	4.7	2.4	2.8	8.6	0.95	4.1	8.3	3.7	2.8						
Potassium	930	290	220	2,200	150	1,600	2,300	1,100	1,400						

Notes:

- ^a All samples were analyzed by Chemron, Inc., San Antonio, Texas. All results reported on a wet-weight basis.
- ^b Background values from Draft Second Revised Evaluation of Background Metals Concentrations in Soil Types at Camp Stanley Storage Activity (Parsons ES, February 2002).
- ^c Industrial risk reduction standards for groundwater protection (GWP), soil-air ingestion (SAI), and groundwater (GW).
- ^d Duplicate sample.
- ^e Sixteen 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 less than the groundwater protection (GWP) standard.

Sample concentrations are only highlighted if they also exceed the background concentration.

Concentrations exceeding RRS1 background levels are highlighted

Concentrations exceeding RRS2 standards are highlighted and are in a box.

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.