

**Table B19-1 Summary of Chemical Constituents Detected in Soil, February 1995
Solid Waste Management Unit B-19**

Constituent	Comparison Criteria				Soil Sample Analytical Results ^a										
	Lab MDL	Lab PQL	Back-ground ^b GR	Back-ground ^b soil (Tarrant)	B19-SB1	B19-SB1	B19-SB1	B19-SB2	B19-SB2	B19-SB2	B19-SB3	B19-SB3	B19-SB3	B19-SB3 ^d	
					Sample ID	Depth (ft)	Soil/Rock Type	Date Collected							
VOCs, SW8260 (ug/kg)⁹:															
Tetrachloroethene	NA	6	--	--	2.0-3.0	14.0-15.0	29.0-30.0	0.0-1.0	14.0-15.0	29.0-30.0	0.0-2.0	14.0-15.0	28.0-30.0	28.0-30.0	
					Soils (Tarrant)	Glen Rose	Glen Rose	Soils (Tarrant)	Glen Rose	Glen Rose	Soils (Tarrant)	Glen Rose	Glen Rose	Glen Rose	
					2/23/1995	2/23/1995	2/23/1995	2/24/1995	2/24/1995	2/24/1995	2/27/1995	2/27/1995	2/27/1995	2/27/1995	
					6 R	5 R	6 R	6 R	6 R	6 R	6 R	6 R	6 R	5 R	
SVOCs, SW8270 (ug/kg):															
Di-n-butylphthalate	NA	1,000	--	--	7,300	6,200	6,400	5,800	4,400	6,100	930 ^e	630	400	500	
Metals, SW6010 (mg/kg):															
Cadmium	NA	0.25	0.1	3.0	0.43 U ₂	0.62 U ₁	0.33 U ₂	1.1 U ₂	0.66 U ₂	0.30 U ₂	1.5 U ₂	0.71 U ₂	0.57 U ₂	0.53 U ₂	
Calcium	NA	25	--	--	234,000	195,000	223,000	105,000	207,000	237,000	101,200	200,700	246,000	244,000	
Chromium	NA	0.5	8.1	40.2	2.4 U ₂	3.2 U ₂	1.5 U ₂	5.4	3.1 U ₂	1.1 U ₂	7.0	3.8	2.1 U ₂	2.0 U ₂	
Copper	NA	0.5	13.1	23.2	1.9	2.2	1.7	5.4	2.2	1.1	5.4	2.1	2.6	1.9	
Iron	NA	2.5	--	--	2,100	4200	1,400	7,500	3,600	1,000	9,700	3,700	3,100	3,100	
Lead ^f	NA	1.5	5.5	84.5	2.7	3.3	1.5 U ₁	5.8	3.4	1.5 U ₁	7.2	3.3	2.2	1.6	
Magnesium	NA	25	--	--	1,300	2,300	10,100	1,600	2,400	13,600	1,800	2,400	12,600	12,500	
Manganese	NA	0.5	--	--	20	50	44	120	50	45	15	47	53	52	
Nickel	NA	0.5	6.8	35.5	1.4 U ₂	5.5	2.1 U ₂	5.2	5.0	3.3	4.0	9.7	2.5	1.9	
Potassium	NA	25	--	--	560	860	570	1,600	760	400	2,160	1,300	940	960	

Sample ID	B19-SB1R	B19-SB1R	B19-SB1R	B19-SB2R	B19-SB2R	B19-SB2R	B19-SB3R	B19-SB3	B19-SB3
Depth (ft)	2.0-3.0	14.0-15.0	29.0-30.0	0.0-1.0	14.0-15.0	29.0-30.0	0.0-2.0	14.0-15.0	28.0-30.0
Soil/Rock Type	Tarrant	Glen Rose	Glen Rose	Tarrant	Glen Rose	Glen Rose	Tarrant	Glen Rose	Glen Rose
Date Collected	6/13/1995	6/13/1995	6/13/1995	6/14/1995	6/14/1995	6/14/1995	6/14/1995	6/14/1995	6/14/1995
VOCs, SW8260 (ug/kg):	Soil Sample Analytical Results (Continued)^a								
Tetrachloroethene	5 U ₁	5 U ₁	5 U ₁	5 U ₁	5 U ₁	5 U ₁	5 U ₁	5 U ₁	5 U ₁

Notes:

- ^a All samples were analyzed by Chemron Inc., San Antonio, Texas. All results are reported on a wet-weight basis.
- ^b Background values from the *Second Evaluation of Background Metals Concentrations in Soils and Bedrock* (Parsons, February 2002).
- ^c Industrial risk reduction standards for groundwater protection (GWP), soil-air ingestion (SAI), and groundwater (GW)
- ^d Duplicate sample
- ^e Sixteen semivolatle analytes were not detected, but the results were rejected due to deficiencies in the quality control criteria. The presence or absence of the analytes cannot be verified.
- ^f The background concentration of lead in the Glen Rose limestone is less than the groundwater protection (GWP) standard. Sample concentrations are only highlighted if they also exceed the background concentration.
- ⁹ Holding times for February 1995 VOC samples were missed. Highlighted and bolded nickel concentrations exceed RRS1 (background) standards.

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.
- R The sample exceeded the holding time for VOCs analysis of soil