

Table B25-1
Summary of Chemical Constituents Detected in Surface Soil, March 2000
Solid Waste Management Unit B-25

Sample ID	Soil Comparison Criteria					RW-B25-SS01				RW-B25-SS02				RW-B25-SS03				RW-B25-SS03				
	Soil Comparison Criteria					RW-B25-SS01				RW-B25-SS02				RW-B25-SS03				RW-B25-SS03				
	Lab	MDL	RL	Background ^a Soils	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
SW6010B (mg/kg)																						
Barium	0.044	1.0	186	200	59,000	94.7		5	5.0	82.9		1	1.0	80.5	J	1	1.0	101.6	J	1	1.0	
Chromium	0.078	20.0	40.2	10	350,000	21.5	F	5	100.0	21.1		1	20.0	20.4		1	20.0	19.7	F	1	20.0	
Copper	0.072	2.0	23.2	130	74,000	8.2	F	5	10.0	10.7		1	2.0	10.5	J	1	2.0	9.7	J	1	2.0	
Nickel	0.118	2.0	35.5	200	12,000	13.3		5	10.0	11.9		1	2.0	12.3	J	1	2.0	12.4	J	1	2.0	
Zinc	0.42	2.0	73.2	3,100	41,000	57.4		5	10.0	218.1		1	2.0	46.1	M	1	2.0	38.4	M	1	2.0	
SW7060A (mg/kg)																						
Arsenic	0.032	0.5	19.6	5	200	20.29		10	5.0	7.01		2	1.0	4.37	J	1	0.5	5.36	J	2	1.0	
SW7131A (mg/kg)																						
Cadmium	0.022	0.1	3.00	0.5	410	0.26		1	0.1	0.33		1	0.1	0.31	J	1	0.1	0.29	J	1	0.1	
SW7421 (mg/kg)																						
Lead	0.069	0.5	84.5	1.5	1,000	12.3		5	2.5	16.93		10	5.0	16.14		10	5.0	17.59		10	5.0	
SW8260 (mg/kg)																						
Benzene	0.0003	0.002	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	
Methylene chloride	0.0003	0.002	--	0.5	16	0.0007	U	1	0.002	0.0007	U	1	0.002	0.0007	U	1	0.002	0.0007	U	1	0.002	
Naphthalene	0.001	0.02	--	200	270	0.001	U	1	0.02	0.005	F	1	0.02	0.004	M	1	0.02	0.002	M	1	0.02	
Toluene	0.001	0.02	--	100	2,400	0.0036	F	1	0.02	0.0003	U	1	0.02	0.0003	U	1	0.02	0.0003	U	1	0.02	
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	NA	NA	0.0008	U	1	0.004	0.0024	F	1	0.004	0.0019	M	1	0.004	0.0008	M	1	0.004	
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	7	6,100	0.0006	U	1	0.004	0.0018	F	1	0.004	0.0008	M	1	0.004	0.0006	M	1	0.004	
SW8270 (mg/kg)																						
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	0.6	65	0.06	F	1	0.7	0.08	F	1	0.7	0.03	M	1	0.7	0.03	M	1	0.7	
Diethylphthalate	0.03	0.7	--	8,200	820,000	0.04	U	1	0.7	0.08	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	
Napthalene	0.04	0.7	--	200	270	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	
Trichlorobenzene, 1,2,4-	0.04	0.7	--	7	6,100	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix A.

All samples were analyzed by APPL Laboratories and O'Brien and Gere Laboratories.

Referenced laboratory package numbers: APPL 32289, 32276

O'Brien and Gere: 5054, 5075, 5090, 5107, 5122

All MS/MSD results are presented in the Data Verification Report, Appendix D.

Data Qualifiers:

F - The analyte was positively identified, but the associated numerical value is below the RL.

J - The analyte was positively identified, the quantitation is an estimation.

M - A matrix effect was present.

U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.

Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from second Revised Background Report, February 2002

DL Dilution

FD1 Field Duplicate

GR Glen Rose

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

MDL Method Detection Limit

N1 Environmental Sample

NA Not Available

RL Reporting Limit

SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

SQL Sample Quantitation Limit