

**Table B27-1
Summary of Chemical Constituents Detected in Surface Soil, March 2000
Solid Waste Management Unit B-27**

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	Sample ID						RW-B27-SS01				RW-B27-SS02				RW-B27-SS03				RW-B27-SS03			
	Sample Date						3/20/2000				3/21/2000				3/21/2000				3/21/2000			
	Sample Type						N1				N1				N1				FD1			
Soil Type						Soils (Kr)				Soils (Kr)				Soils (Kr)				Soils (Kr)				
Beginning Depth						0				0				0				0				
Ending Depth						0.5				0.5				0.5				0.5				
Lab ID						AP90104 / Q1058				AP90153 / Q1141				AP90161 / Q1147				AP90160 / Q1148				
Soil Comparison Criteria																						
	Lab MDL	Lab RL	Background ^a Soils	Background ^a GR	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	0.04	1.0	186	10.	200	59,000	96.1	J	1	1.0	119.1	J	1	1.0	42.7	J	5	5.0	67.3	J	5	5.0
Chromium	0.08	20.0	40.2	8.1	10	350,000	23.8		1	20.0	27.3		1	20.0	13.2	F	5	100.0	15.2	F	5	100.0
Copper	0.07	2.0	23.2	13.1	130	74,000	8.5		1	2.0	12.7		1	2.0	10.4		5	10.0	11.3		5	10.0
Nickel	0.12	2.0	35.5	6.8	200	12,000	14.9		1	2.0	18.9		1	2.0	8.6	F	5	10.0	9.5	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	41,000	32.9	J	1	2.0	44.2	B	1	2.0	64.5	B	5	10.0	66.4	B	5	10.0
SW7060A (mg/kg)																						
Arsenic	0.032	0.5	19.6	3.8	5	200	3.34	M	1	0.5	6.82	M	5	2.5	3.66	M	1	0.5	4.09	M	1	0.5
SW7131A (mg/kg)																						
Cadmium	0.022	0.1	3.0	0.1	0.5	410	0.25	J	1	0.1	0.42		1	0.1	0.25		1	0.1	0.26		1	0.1
SW7421 (mg/kg)																						
Lead	0.069	0.5	84.5	5.5	1.5	1,000	11.91	M	5	2.5	24.19	M	10	5.0	16.19	M	10	5.0	17.34	M	10	5.0
SW7471A (mg/kg)																						
Mercury	0.024	0.1	0.77	0.1	0.2	9.6	0.024	U	1	0.1	0.024	U	1	0.1	0.03	F	1	0.1	0.03	F	1	0.1
SW8260B (mg/kg)																						
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0015	F	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005				
Toluene	0.0003	0.005	--	--	100	2,400	0.0005	F	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005				
SW8270C (mg/kg)																						
Benzo(a)anthracene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.05	F	1	0.7
Benzo(a)pyrene	0.05	0.7	--	--	0.02	0.34	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.06	F	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4	0.06	U	1	0.7	0.06	U	1	0.7	0.10	F	1	0.7	0.12	F	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	310	27,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.06	F	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.04	F	1	0.7	0.03	U	1	0.7	0.04	F	1	0.7	0.05	F	1	0.7
Chrysene	0.04	0.7	--	--	3.9	340	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.05	F	1	0.7
Fluoranthene	0.04	0.7	--	--	410	36,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.09	F	1	0.7
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	--	0.039	3.4	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.06	F	1	0.7
Pyrene	0.05	0.7	--	--	310	27,000	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.07	F	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 Inc. and O'Brien and Gere Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32255, 32261

O'Brien and Gere: 5054, 5075, 5090

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

Abbreviations and Notes:

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

Boxed samples indicate results greater than RRS2 Standards.

RRS1 standards are background concentrations for metals and RLs for organic compounds.

-- No risk reduction standard or background level available

a Background values from Revised Background Report, 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

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

Data Qualifiers:

B-The analyte was found in an associated blank, as well as in the sample.

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.