

**Table B13-1
Summary of Chemical Constituents Detected in Soil, March 2000
Solid Waste Management Unit B-13**

	Sample ID						RW-B13-SB01				RW-B13-SB01				RW-B13-SB01				RW-B13-SB01				RW-B13-SB02						
	Sample Date						03/09/00				03/09/00				03/09/00				03/09/00				03/08/00						
	Sample Type						N1				FD1				N1				N1				N1						
Soil Type						Soil (Kr)				Soil (Kr)				GR				GR				Soil (Kr)							
Beginning Depth						0.5				0.5				6.5				11.5				0.5							
Ending Depth						1				1				7				12				1							
Lab ID						AP89679/Q0511				AP89682/Q0512				AP89684/Q0513				AP89685/Q0514				AP89606/Q0501							
Soil Comparison Criteria																													
Lab MDL	Lab RL	Background ^a Soil	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	Results	Flags	Dilution	SQL				
SW6010B (mg/kg)																													
Barium	0.044	1.0	186	10.	200	59,000				37.9		5	5.0	44.4		5	5.0	2.2	F	5	5.0	1.9	F	5	5.0	110.0		5	5.0
Chromium	0.078	20.0	40.2	8.1	10	350,000				11.9	F	5	100.0	12.8	F	5	100.0	4.3	F	5	100.0	4.0	F	5	100.0	20.0	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74,000				185.4	M	5	10.0	42.5	M	5	10.0	1.4	F	5	10.0	1.0	F	5	10.0	68.6	M	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12,000				10.2		5	10.0	9.3	F	5	10.0	4.3	F	5	10.0	5.5	F	5	10.0	12.0		5	10.0
Zinc	0.42	2.0	73.2	11.3	3,100	41,000				36.6	B	5	10.0	37.6	B	5	10.0	3.4	F	5	10.0	5.5	F	5	10.0	161.2		5	10.0
SW7060A (mg/kg)																													
Arsenic	0.032	0.5	19.6	3.8	5	200				5.30	M	10	5.0	4.28	M	1	0.5	0.78	J	1	0.5	1.35	J	1	0.5	3.62	M	1	0.5
SW7131A (mg/kg)																													
Cadmium	0.022	0.1	3.	0.1	0.5	410				0.30		1	0.1	0.31		1	0.1	0.022	U	1	0.1	0.022	U	1	0.1	1.22		5	0.5
SW7421 (mg/kg)																													
Lead	0.069	0.5	84.5	5.5	1.5	1,000				18.49	M	10	5.0	18.44	M	10	5.0	1.55	J	1	0.5	1.34	J	1	0.5	197.60	M	100	50.0
SW7471A (mg/kg)																													
Mercury	0.024	0.1	0.77	0.1	0.2	9.6				0.04	M	1	0.1	0.03	M	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.12		1	0.1
SW8260B (mg/kg)																													
Bromobenzene	0.0003	0.002	--	--	NA	NA				0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002
Dichlorobenzene, 1,2-	0.0005	0.002	--	--	60	8,390				0.0005	U	1	0.002	0.0005	U	1	0.002	0.0005	U	1	0.002	0.0005	U	1	0.002	0.0005	U	1	0.002
Dichlorobenzene, 1,4-	0.0007	0.002	--	--	7.5	138				0.0007	U	1	0.002	0.0007	U	1	0.002	0.0007	U	1	0.002	0.0007	U	1	0.002	0.0007	U	1	0.002
Methylene chloride	0.0007	0.005	--	--	0.5	16				0.0007	U	1	0.005	0.0011	F	1	0.005	0.0007	U	1	0.005	0.0042	F	1	0.005	0.0007	U	1	0.005
Toluene	0.0003	0.005	--	--	100	2,400				0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0007	F	1	0.005
SW8270C (mg/kg)																													
Acenaphthylene	0.03	0.7	--	--	610	53,000				0.03	U	1	0.7	0.04	F	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
Benzo(a)anthracene	0.04	0.7	--	--	0.039	3.4				0.27	F	1	0.7	0.28	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Benzo(a)pyrene	0.05	0.7	--	--	0.02	0.34				0.37	F	1	0.7	0.40	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4				0.58	F	1	0.7	0.62	F	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	1	0.7
Benzo(g,h,i)perylene	0.04	0.7	--	--	310	27,000				0.32	F	1	0.7	0.31	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65				0.03	U	1	0.7	0.03	U	1	0.7	13.00	10	7.0	4.70	5	3.5	4.50	5	3.5	4.50	5	3.5
Chrysene	0.04	0.7	--	--	3.9	340				0.37	F	1	0.7	0.39	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Dibenz(a,h)anthracene	0.04	0.7	--	--	0.0039	0.34				0.08	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Dichlorobenzene, 1,2-	0.03	0.7	--	--	60	8390				0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
Dichlorobenzene, 1,4-	0.03	0.7	--	--	7.5	138				0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7
Fluoranthene	0.04	0.7	--	--	410	36,000				0.66	F	1	0.7	0.71	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	
Indeno(1,2,3-cd)pyrene	0.04	0.7	--	--	0.039	3.4				0.30	F	1	0.7	0.31	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Pentachlorophenol	0.03	3.3	--	--	0.1	14				0.03	U	1	3.3	0.03	U	1	3.3	0.03	U	1	3.3	0.03	U	1	3.3	0.41	F	1	3.3
Phenanthrene	0.04	0.7	--	--	310	27,000				0.17	F	1	0.7	0.15	F	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
Pyrene	0.05	0.7	--	--	310	27,000				0.53	F	1	0.7	0.56	F	1	0.7	0.05	U	1	0.7	0.05	U	1	0.7	0.05	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 Inc. and O'Brien and Gere Laboratories. Referenced laboratory package numbers: APPL Inc.: 32174, 32185 O'Brien and Gere: 4941, 4953 All MS/MSD results are presented in the Data Verification Report, Appendix C.

Abbreviations and Notes:

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

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

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.

**Table B13-1
Summary of Chemical Constituents Detected in Soil, March 2000
Solid Waste Management Unit B-13**

	Soil Comparison Criteria						RW-B13-SB04				RW-B13-SB04				RW-B13-SB04				
	Lab	Lab	Background ^a	Background ^b	RRS2-GWP	RRS2-SAI													
	MDL	RL	Soil	GR	(Ind.)	(Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	
Sample ID							RW-B13-SB04				RW-B13-SB04				RW-B13-SB04				
Sample Date							03/09/00				03/09/00				03/09/00				
Sample Type							N1				N1				N1				
Soil Type							Soil (Kr)				GR				GR				
Beginning Depth							0.5				3.5				9.5				
Ending Depth							1				4				10				
Lab ID							AP89676/Q0508				AP89677/Q0509				AP89678/Q0510				
SW6010B (mg/kg)																			
Barium	0.044	1.0	186	10.	200	59,000	102.6		5	5.0	4.4	F	5	5.0	2.8	F	5	5.0	
Chromium	0.078	20.0	40.2	8.1	10	350,000	66.7	F	5	100.0	5.0	F	5	100.0	4.4	F	5	100.0	
Copper	0.072	2.0	23.2	13.1	130	74,000	124.8	M	5	10.0	1.4	F	5	10.0	1.9	F	5	10.0	
Nickel	0.118	2.0	35.5	6.8	200	12,000	60.4		5	10.0	5.4	F	5	10.0	4.0	F	5	10.0	
Zinc	0.42	2.0	73.2	11.3	3,100	41,000	164.4	B	5	10.0	4.1	F	5	10.0	4.3	F	5	10.0	
SW7060A (mg/kg)																			
Arsenic	0.032	0.5	19.6	3.8	5	200	7.90	M	10	5.0	2.17	J	1	0.5	1.27	J	1	0.5	
SW7131A (mg/kg)																			
Cadmium	0.022	0.1	3.	0.1	0.5	410	1.01		1	0.1	0.022	U	1	0.1	0.022	U	1	0.1	
SW7421 (mg/kg)																			
Lead	0.069	0.5	84.5	5.5	1.5	1,000	127.20	M	100	50.0	2.60	J	1	0.5	1.43	J	1	0.5	
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	0.024	U	1	0.1	
SW8260B (mg/kg)																			
Bromobenzene	0.0003	0.002	--	--	NA	NA	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	
Dichlorobenzene, 1,2-	0.0005	0.002	--	--	60	8,390	0.0005	U	1	0.002	0.0005	U	1	0.002	0.0101	F	1	0.002	
Dichlorobenzene, 1,4-	0.0007	0.002	--	--	7.5	138	0.0007	U	1	0.002	0.0007	U	1	0.002	0.0010	F	1	0.002	
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0007	U	1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	
Toluene	0.0003	0.005	--	--	100	2,400	0.0009	F	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	
SW8270C (mg/kg)																			
Acenaphthylene	0.03	0.7	--	--	610	53,000	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	
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	
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	
Benzo(b)fluoranthene	0.06	0.7	--	--	0.039	3.4	0.06	U	1	0.7	0.06	U	1	0.7	0.06	U	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	
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.21	F	1	0.7	6.50	F	5	3.5	0.06	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	
Dibenz(a,h)anthracene	0.04	0.7	--	--	0.0039	0.34	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	
Dichlorobenzene, 1,2-	0.03	0.7	--	--	60	8390	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	1	0.7	
Dichlorobenzene, 1,4-	0.03	0.7	--	--	7.5	138	0.03	U	1	0.7	0.03	U	1	0.7	0.03	U	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	
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	
Pentachlorophenol	0.03	3.3	--	--	0.1	14	0.03	U	1	3.3	0.03	U	1	3.3	0.03	U	1	3.3	
Phenanthrene	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	
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	

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