

Table B30-2
Summary of Chemical Constituents Detected in Subsurface Soil, March 2000
Solid Waste Management Unit B-30

	Soil Comparison Criteria						RW-B30-SB01				RW-B30-SB02							
	Soil Comparison Criteria						RW-B30-SB01				RW-B30-SB02							
	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
Sample ID							RW-B30-SB01				RW-B30-SB02							
Sample Date							03/13/00				03/13/00							
Sample Type							N1				N1							
Soil Type							Soil (Kr)				GR							
Beginning Depth							4.5				12.5							
Ending Depth							5				13							
Lab ID							AP89779/Q0690				AP89780/Q0691				AP89786/Q0694			
SW6010B (mg/kg)																		
Barium	0.044	1.0	186	10	200	59000	2.7	F	5	5.0	11.1	F	5	5.0	4.3	F	5	5.0
Chromium	0.078	20.0	40.2	8.1	10	350000	3.9	F	5	100.0	6.7	F	5	100.0	5.2	F	5	100.0
Copper	0.072	2.0	23.2	13.1	130	74000	1.7	F	5	10.0	2.9	F	5	10.0	1.4	F	5	10.0
Nickel	0.118	2.0	35.5	6.8	200	12000	4.1	F	5	10.0	5.4	F	5	10.0	3.5	F	5	10.0
Zinc	0.42	2.0	73.2	11.3	3100	41000	6.8	F	5	10.0	8.7	F	5	10.0	7.2	F	5	10.0
SW7060A (mg/kg)																		
Arsenic	0.032	0.5	19.6	3.8	5	200	1.14	J	1	0.5	2.51	J	1	0.5	0.80	J	1	0.5
SW7131A (mg/kg)																		
Cadmium	0.022	0.1	3.00	0.1	0.5	410	0.06	F	1	0.1	0.13	J	1	0.1	0.04	F	1	0.1
SW7421 (mg/kg)																		
Lead	0.069	0.5	84.5	5.5	1.5	1000	1.68	J	1	0.5	5.08	J	2	1	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	0.03	F	1	0.1	0.024	U	1	0.1
SW8260B (mg/kg)																		
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
Naphthalene	0.001	0.02	--	--	200.	270.	0.001	U	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02
SW8270C (mg/kg)																		
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.62	F	1	0.7	8.20	F	5	3.5	6.80	F	5	3.5

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.: 32207
O'Brien and Gere: 4975, 5012

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

Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 and/ RRS2 Standards.

Boxed samples indicate results greater than RRS2 Standards.

a Background values from Revised Background Report, February 2002

-- No risk reduction standard or background level available

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.

R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

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

**Table B30-2
Summary of Chemical Constituents Detected in Subsurface Soil, March 2000
Solid Waste Management Unit B-30**

	Soil Comparison Criteria						RW-B30-SB02				RW-B30-SB03				RW-B30-SB03				RW-B30-SB03								
							03/13/00				03/13/00				03/13/00				03/13/00								
							N1				N1				N1				FD1								
						GR				GR				GR				GR									
						7				2.5				9				9									
						7.5				3				9.5				9.5									
						AP89787/Q0695				AP89767/Q0685				AP89771/Q0686				AP89768									
						Lab	Lab	Background ^a	Background ^a	RRS2-GWP	RRS2-SAI	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
						MDL	RL	Soil	GR	(Ind.)	(Ind.)																
SW6010B (mg/kg)																											
Barium	0.044	1.0	186	10	200	59000					5.3		5	5.0	2.0	F	5	5.0	5.0	F	5	5.0					
Chromium	0.078	20.0	40.2	8.1	10	350000					5.3	F	5	100.0	4.0	F	5	100.0	5.7	F	5	100.0					
Copper	0.072	2.0	23.2	13.1	130	74000					1.7	F	5	10.0	1.5	F	5	10.0	1.8	F	5	10.0					
Nickel	0.118	2.0	35.5	6.8	200	12000					5.7	F	5	10.0	7.9	F	5	10.0	4.8	F	5	10.0					
Zinc	0.42	2.0	73.2	11.3	3100	41000					5.2	F	5	10.0	9.8	F	5	10.0	6.6	F	5	10.0					
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Arsenic	0.032	0.5	19.6	3.8	5	200					2.79	J	1	0.5	1.07	J	1	0.5	2.01	J	1	0.5					
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Cadmium	0.022	0.1	3.00	0.1	0.5	410					0.05	F	1	0.1	0.05	F	1	0.1	0.022	R	1	0.1					
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Lead	0.069	0.5	84.5	5.5	1.5	1000					3.24	J	1	0.5	1.30	J	1	0.5	2.56	J	1	0.5					
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SW8260B (mg/kg)																											
Methylene chloride	0.0007	0.005	--	--	0.5	16					0.0007	U	1	0.005	0.0072		1	0.005	0.0007	U	1	0.005	0.0007	U	1	0.005	
Naphthalene	0.001	0.02	--	--	200.	270.					0.001	U	1	0.02	0.003	F	1	0.02	0.001	U	1	0.02	0.001	U	1	0.02	
SW8270C (mg/kg)																											
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65					8.90		10	7.0	18.00		10	7.0	26.00		25	17.5					

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