

**Table B5-1  
Summary of Chemical Constituents Detected in Soil, March 2000  
Solid Waste Management Unit B-5**

	Soil Comparison Criteria					RW-B5-SS01				RW-B5-SS02				RW-B5-SS03			
						03/17/00				03/17/00				03/17/00			
	Lab MDL	Lab RL	Background <sup>a</sup> Soils	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
<b>Sample ID</b>						RW-B5-SS01				RW-B5-SS02				RW-B5-SS03			
<b>Sample Date</b>						03/17/00				03/17/00				03/17/00			
<b>Sample Type</b>						N1				N1				N1			
<b>Soil Type</b>						Soil (Kr)				Soil (Kr)				Soil (Kr)			
<b>Beginning Depth</b>						0				0				0			
<b>Ending Depth</b>						0.5				0.5				0.5			
<b>Lab ID</b>						Q0929/AP90014				Q0930/AP90015				Q0931/AP90016			
<b>SW6010B (mg/kg)</b>																	
Barium	0.04	1.0	186	200	59,000	86.8		1	1.0	79.9		1	1.0	36.4		5	5.0
Chromium	0.08	20.0	40.2	10	350,000	22.9		1	20.0	20.4		1	20.0	9.5	F	5	100.0
Copper	0.07	2.0	23.2	130	74,000	16.8		1	2.0	21.0		1	2.0	9.2	F	5	10.0
Nickel	0.12	2.0	35.5	200	12,000	14.8		1	2.0	13.0		1	2.0	8.0	F	5	10.0
Zinc	0.42	2.0	73.2	3,100	41,000	38.7		1	2.0	37.6		1	2.0	23.9		5	10.0
<b>SW7060A (mg/kg)</b>																	
Arsenic	0.032	0.5	19.6	5	200	5.44		5	2.5	5.04		5	2.5	2.57		1	0.5
<b>SW7131A (mg/kg)</b>																	
Cadmium	0.022	0.1	3.00	0.5	410	0.42		1	0.1	0.39		1	0.1	0.13		1	0.1
<b>SW7421 (mg/kg)</b>																	
Lead	0.069	0.5	84.5	1.5	1,000	41.82		20	10.0	28.74		10	5.0	11.42		5	2.5
<b>SW7471A (mg/kg)</b>																	
Mercury	0.024	0.1	0.77	0.2	9.6	0.03	F	1	0.1	0.11		1	0.1	0.024	U	1	0.1
<b>SW8260B (mg/kg)</b>																	
Benzene	0.0003	0.002	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002
Chloroform	0.0003	0.002	--	10	0.51	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002
Methylene chloride	0.0007	0.005	--	0.5	16	0.0035	F	1	0.005	0.0014	F	1	0.005	0.0046	F	1	0.005
Naphthalene	0.001	0.02	--	200	270	0.004	F	1	0.02	0.002	F	1	0.02	0.003	F	1	0.02
Toluene	0.0003	0.005	--	100	2,400	0.0003	U	1	0.005	0.0018	F	1	0.005	0.0017	F	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	NA	NA	0.0017	F	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	7	6,100	0.0018	F	1	0.004	0.0006	U	1	0.004	0.0006	U	1	0.004

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.: 32244  
O'Brien and Gere: 5029, 5031  
All MS/MSD results are presented in the Data Verification Report, Appendix B.

**Abbreviations and Notes:**

- Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.
- No risk reduction standard or background level available
- a Background values from Second Revision to the Evaluation of Background Metals Concentrations in Soils and Bedrock (Parsons February 2002).
- DL Dilution
- FD1 Field Duplicate
- GW-Ind Groundwater medium specific concentration (MSC) for industrial use
- GWP-Ind Soil MSC based on groundwater protection
- Kr Krum Complex
- DL 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:**

- F- The analyte was positively identified, but the associated numerical value is below the RL.
- U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.