

**Table B22-1
Summary of Chemical Constituents Detected in Soils, March 2000
Solid Waste Management Unit B-22**

Sample ID Sample Date Sample Type Soil Type Beginning Depth Ending Depth Lab ID	Soil Comparison Criteria					RW-B22-SS01				RW-B22-SS02				RW-B22-SS03				RW-B22-SS04				RW-B22-SS05				RW-B22-SS05			
	Lab	Lab	Background ^a	RRS2-GWP	RRS2-SAI	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
	MDL	RL	Soil	(Ind.)	(Ind.)																								
SW6010B (mg/kg)																													
Barium	0.04	1.0	186	200	59,000	120.1		5	5.0	107.3		1	1.0	122.9		1	1.0	88.3		1	1.0	113.5		1	1.0				
Chromium	0.08	20.0	40.2	10	350,000	33.1	F	5	100.0	30.0		1	20.0	34.1		1	20.0	26.3		1	20.0	31.4		1	20.0				
Copper	0.07	2.0	23.2	130	74,000	17.6		5	10.0	14.8		1	2.0	16.3		1	2.0	14.1		1	2.0	15.9		1	2.0				
Nickel	0.12	2.0	35.5	200	12,000	22.4		5	10.0	19.1		1	2.0	22.5		1	2.0	16.0		1	2.0	22.0		1	2.0				
Zinc	0.42	2.0	73.2	3,100	41,000	51.5		5	10.0	45.1		1	2.0	54.4		1	2.0	37.3		1	2.0	52.3		1	2.0				
SW7060A (mg/kg)																													
Arsenic	0.0324	0.5	19.6	5	200	6.61		5	2.5	6.21		5	2.5	6.63		5	2.5	6.02		5	2.5	5.95		5	2.5				
SW7131A (mg/kg)																													
Cadmium	0.022	0.1	3.00	0.5	410	0.48		1	0.1	0.43		1	0.1	0.49		1	0.1	0.39		1	0.1	0.48		1	0.1				
SW7421 (mg/kg)																													
Lead	0.069	0.5	84.5	1.5	1,000	21.01		10	5.0	17.59		10	5.0	22.19		10	5.0	16.28		10	5.0	24.73		10	5.0				
SW7471A (mg/kg)																													
Mercury	0.024	0.1	0.77	0.2	9.6	0.03	F	1	0.1	0.024	U	1	0.1	0.03	F	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1				
SW8260B (mg/kg)																													
Benzene	0.0003	0.002	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0	0.0005	F	1	0	0.0003	U	1	0	0.0003	U	1	0.002	0.0003	U	1	0.002
Methylene chloride	0.0007	0.005	--	0.5	16	0.0007	M	1	0.005	0.0007	M	1	0.01	0.0007	M	1	0.01	0.0007	M	1	0.01	0.0084	M	1	0.005	0.0117	M	1	0.005
Toluene	0.0003	0.005	--	100	2,400	0.0003	U	1	0.005	0.0007	F	1	0.01	0.0022	F	1	0.01	0.0012	F	1	0.01	0.0003	U	1	0.005	0.0016	F	1	0.005

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.
- Boxed samples indicate results greater than RRS2 Standards.
- No risk reduction standard or background level available
- a Background values from *Second Revised Evaluation of Background Metals Concentrations in Soils and Rock at CSSA* (Parsons, February 2002)
- FD1 Field Duplicate
- 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
- TI Trinity and Frio Soils

Data Qualifiers:

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