

**Table B31-1
SWMU B-31 Summary of Detected Constituents**

	Sample ID					RW-B31-SS01				RW-B31-SS02				RW-B31-SS02				RW-B31-SS03										
	Sample Date					03/13/00				03/13/00				03/13/00				03/15/00										
	Sample Type					N1				N1				FD1				N1										
Soil Type					Soil (Kr)				Soil (Kr)				Soil (Kr)				Soil (Kr)											
Beginning Depth					0				0				0				0											
Ending Depth					0.5				0.5				0.5				0.5											
Lab ID					Q0696				Q0699				Q0700				Q0826											
Soil Comparison Criteria																												
Lab	Lab	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	(Ind.)	(Ind.)																								
SW6010B (mg/kg)																												
Barium	0.044	1.0	186	200	59,000								58.0		5	5.0	45.3		5	5.0	46.0		5	5.0	49.9	J	5	5.0
Chromium	0.078	20.0	40.2	10	350,000								13.9	F	5	100.0	13.4	F	5	100.0	14.2	F	5	100.0	15.6	F	5	100.0
Copper	0.072	2.0	23.2	130	74,000								7.3	F	5	10.0	7.9	F	5	10.0	8.7	F	5	10.0	10.4		5	10.0
Nickel	0.118	2.0	35.5	200	12,000								9.5	F	5	10.0	9.2	F	5	10.0	9.4	F	5	10.0	10.7		5	10.0
Zinc	0.42	2.0	73.2	3,100	41,000								22.5	B	5	10.0	30.5	B	5	10.0	28.1	B	5	10.0	38.6	J	5	10.0
SW7060A (mg/kg)																												
Arsenic	0.032	0.5	19.6	5	200								5.30	J	2	1.0	3.40	J	2	1.0	4.30	J	2	1.0	3.30	J	2	1.0
SW7131A (mg/kg)																												
Cadmium	0.022	0.1	3.00	0.5	410								0.21	J	1	0.1	0.19	J	1	0.1	0.25	J	1	0.1	0.22		1	0.1
SW7421 (mg/kg)																												
Lead	0.069	0.5	84.5	1.5	1,000								20.37	M	10	5.0	23.18	M	10	5.0	36.52	M	10	5.0	20.92	M	10	5.0
SW7471A (mg/kg)																												
Mercury	0.024	0.1	0.77	0.2	9.6								0.04	F	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1	0.024	U	1	0.1

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 O'Brien and Gere Laboratories. Referenced laboratory package numbers: O'Brien and Gere: 4975, 5012. 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.

a Background values from Second Revision to the Evaluation of Background Metals Levels in Soils and Bedrock at CSSA (Parsons, 2002)

FD1 Field Duplicate

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

MDL Method Detection Limit

N1 Environmental Sample

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