

ATTACHMENT 2

TABLE 3B

Screening of Inorganic Chemicals for Leaching Concerns in RZ-C

Chemical	Depth		Site RZ-C metals determined to be above background ¹								Maximum RZ-A Background Detect	NDEP LBCL (DAF=1) ¹ (mg/kg)	NDEP LBCL (DAF=20) (mg/kg)	Max above DAF 1	Max Above DAF 20	COPC for further evaluation
	Site	Background	No. of Detects	Total Samples	% Detects	Minimum Detect	Maximum Detect	Median Detect	Mean Detect	Standard Deviation of Detects						
Arsenic	0-2	0-2 ft	95	95	100%	1.56	476	2.65	16.40	58.00	4.25	1	20	Yes	Yes	Yes
Arsenic	2-10 ft	2-10 ft	98	98	100%	0.57	6.85	2.88	3.12	1.01	3.13	1	20	Yes	No	No
Barium	0-10 ft	0-10 ft	193	193	100%	23.9	6760	178	301.00	625.00	213.00	82	1600	Yes	Yes	Yes
Barium	10-UMCf	10-UMCf	143	143	100%	42.7	468	144	151.00	72.60	217.00	82	1600	Yes	No	No
Boron	0 - 10 ft	0-10 ft	78	193	40%	2.6	1510	14	108	268	12	23	470	Yes	Yes	Yes
Chromium (total)	0-2 ft	0 - 2 ft	95	95	100%	3.77	2140	8.71	75.70	295.00	8.63	2	40	Yes	Yes	Yes
Chromium (VI)	0-10 ft	0-10 ft	47	195	24%	0.12	84.9	0.82	8.81	20.50	0.29	2	40	Yes	Yes	Yes
Chromium (VI)	10-UMCf	10-UMCf	35	143	24%	0.22	106	1.23	7.49	20.90	ND	2	40	Yes	Yes	Yes
Cobalt	0-10 ft	0-10 ft	193	193	100%	0.9	784	7.4	15.10	63.50	9.10	0.49	9.9	Yes	Yes	Yes
Cobalt	10-UMCf	10-UMCf	143	143	100%	2.2	284	6	10.50	30.00	7.30	0.49	9.9	Yes	Yes	Yes
Lead	0-10 ft	0-10 ft	193	193	100%	4.82	825	9.63	30.30	83.40	72.80	14	270	Yes	Yes	Yes
Magnesium	0-2 ft	0-2 ft	94	95	99%	5670	240000	10300	21600	36300	11500	970	19000	Yes	Yes	Yes
Manganese	0-10 ft	0-10 ft	193	193	100%	48.1	61400	414	2380	7920	537	970	19000	Yes	Yes	Yes
Manganese	10-UMCf	10-UMCf	143	143	100%	80	9760	274	643	1450	336	33	670	Yes	Yes	Yes
Molybdenum	0-2 ft	0-2 ft	91	95	96%	0.19	82.2	0.73	3.05	10.30	32.70	3.6	73	Yes	Yes	Yes
Platinum	0-10 ft	0-10 ft	113	193	59%	0.005	0.31	0.011	0.03	0.05	0.05	NE	NE	---	---	NA
Selenium	10- UMCf	10- UMCf	5	143	3%	0.8	1	1	0.94	0.09	ND	0.3	6	Yes	No	No
Sodium	0 - 2 ft	0 - 2 ft	94	95	99%	244	32200	843	1720	3570	864	NE	NE	---	---	NA
Sodium	2 - 10 ft	2 - 10 ft	96	98	98%	251	11800	880	1270	1490	1050	NE	NE	---	---	NA
Sodium	10- UMCf	10- UMCf	143	143	100%	358	11700	936	1260	1250	1200	NE	NE	---	---	NA
Thallium	0-10	0-10 ft	186	193	96%	0.016	61.8	0.112	0.758	5	0.193	0.4	8	Yes	Yes	Yes
Thallium	10- UMCf	10- UMCf	137	143	96%	0.049	1.78	0.093	0.17	0.22	0.20	0.4	8	Yes	No	No
Tungsten	0-10	0-10 ft	179	193	93%	0.033	158	0.27	3.39	14.90	0.62	41	820	Yes	No	No
Tungsten	10- UMCf	10- UMCf	130	143	91%	0.12	15.7	0.25	0.57	1.44	0.39	41	820	No	No	No
Uranium	0-2 ft	0-2 ft	94	95	99%	0.571	7.56	0.922	1.12	0.80	1.01	14	270	Yes	No	No

Notes:

- 1 - Background comparison based on the RZ-A background dataset (see Attachment 2 Table 2B).
- 2 - Bold values indicate that the maximum background detection is above the LBCL (DAF=1) or LBCL (DAF=20) for the given chemical.
- 3 - Units in mg/kg (milligrams per kilogram)
- NE - Value not established
- ND - Not detected
- NA - Not applicable

Depth Intervals:

- 0-2 - 0 feet below ground surface (bgs) to 2 feet bgs
- 2-10 - greater than 2 feet bgs to 10 feet bgs
- 0-10 - 0 feet bgs to 10 feet bgs
- 10-UMCf - greater than 10 feet bgs to the top of the Upper Muddy Creek formation