

ATTACHMENT 2
TABLE 3C
Screening of Inorganic Chemicals for Leaching Concerns in RZ-D

Chemical	Depth		Site RZ-D 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	65	65	100%	1.17	10.8	2.38	3.02	2.01	4.25	1	20	Yes	No	No
Arsenic	2-10 ft	2-10 ft	63	63	100%	1.82	13.4	4.01	4.43	2.08	3.13	1	20	Yes	No	No
Barium	0-10 ft	0-10 ft	128	128	100%	115	1780	180	206	165	213	82	1600	Yes	Yes	Yes
Barium	10-UMCf	10-UMCf	55	55	100%	40.8	830	142	171	133	217	82	1600	Yes	No	No
Beryllium	0-10 ft	0-10 ft	128	128	100%	0.268	0.678	0.487	0.48	0.08	0.59	3	60	No	No	No
Boron	0 - 10 ft	0-10 ft	37	128	29%	1.2	551	13.4	38	97	12	23	470	Yes	Yes	Yes
Chromium (Total)	0-2 ft	0 - 2 ft	65	65	100%	3.48	157	8.04	11.50	20.20	8.63	2	40	Yes	Yes	Yes
Chromium (VI)	10-UMCf	10-UMCf	14	55	25%	0.11	3.06	0.925	1.11	0.86	ND	2	40	Yes	No	No
Magnesium	0-2 ft	0-2 ft	65	65	100%	5900	76000	9270	14200	13400	11500	970	19000	Yes	Yes	Yes
Magnesium	2 - 10 ft	2-10 ft	63	63	100%	6390	16600	11900	11800	2090	13000	970	19000	Yes	No	No
Manganese	0-10 ft	0-10 ft	128	128	100%	180	2470	360	434	293	537	33	670	Yes	Yes	Yes
Molybdenum	0-2 ft	0-2 ft	65	65	100%	0.23	10.3	0.56	0.89	1.37	32.70	3.6	73	Yes	No	No
Sodium	0 - 2 ft	0 - 2 ft	65	65	100%	197	3420	678	1020	852	864	NE	NE	---	---	NA
Sodium	2 - 10 ft	2 - 10 ft	63	63	100%	298	4540	1040	1510	1100	1050	NE	NE	---	---	NA
Sodium	10- UMCf	10- UMCf	55	55	100%	324	4790	1230	1390	709	1200	NE	NE	---	---	NA
Strontium	2-10 ft	2-10 ft	63	63	100%	102	1570	301	335	188	339	770	15400	Yes	No	No
Tungsten	0-10	0-10 ft	116	128	91%	0.11	8.5	0.23	0.42	0.85	0.62	41	820	No	No	No
Uranium	0-2 ft	0-2 ft	65	65	100%	0.551	6	0.839	1.12	0.82	1.01	14	270	No	No	No
Uranium	2-10 ft	2-10 ft	63	63	100%	0.56	8.77	1.79	2	1	2	14	270	No	No	No

Notes:

- 1 - Background comparison based on the RZ-A background dataset (see Attachment 2 Table 2C).
- 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