

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

Chemical	Depth Interval		Site RZ-E metals determined to be above background <sup>1</sup>								Maximum RZ-A Background Detect	NDEP LBCL (DAF=1) <sup>1</sup> (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						
Aluminum	0_10	0_10	36	36	100%	5130	14300	8650	8690	1850	11400	55000	>100% wt/wt	No	No	No
Arsenic	0_2	0_2	19	19	100%	0.97	385	4.76	32.1	97.8	4.25	<b>1</b>	20	Yes	Yes	Yes
Arsenic	2_10	2_10	17	17	100%	2.2	5.2	4.06	3.74	0.885	3.13	<b>1</b>	20	Yes	No	No
Barium	0_10	0_10	36	36	100%	79.8	685	194	228	124	213	<b>82</b>	1600	Yes	No	No
Beryllium	0_10	0_10	36	36	100%	0.245	0.93	0.45	0.448	0.107	0.588	3	60	No	No	No
Boron	0_10	0_10	17	36	47%	3.8	113	25.2	31.2	26.9	11.7	23	470	Yes	No	No
Chromium (Total)	0_2	0_2	19	19	100%	5.2	1470	29	174	377	8.63	<b>2</b>	40	Yes	Yes	Yes
Chromium (Total)	2_10	2_10	17	17	100%	3.98	26.4	9.6	12.1	6.87	10.7	<b>2</b>	40	Yes	No	No
Chromium (VI)	0_10	0_10	21	36	58%	0.12	36.7	3.38	7.03	10	0.29	2	40	Yes	No	No
Cobalt	0_10	0_10	36	36	100%	3.7	62.5	8.8	14.1	14.2	9.1	<b>0.4</b>	9.9	Yes	Yes	Yes
Copper	0_10	0_10	36	36	100%	10	446	23.6	63.9	101	140	<b>46</b>	920	Yes	No	No
Lead	0_10	0_10	36	36	100%	6.6	2210	20.2	213	521	72.8	<b>14</b>	270	Yes	Yes	Yes
Magnesium	0_2	0_2	19	19	100%	6030	48000	10800	17000	13100	11500	<b>970</b>	19000	Yes	Yes	Yes
Manganese	0_10	0_10	36	36	100%	154	13800	453	1780	2920	537	<b>33</b>	670	Yes	Yes	Yes
Molybdenum	0_2	0_2	19	19	100%	0.36	10.8	1.44	2.55	2.74	32.7	<b>3.6</b>	73	Yes	No	No
Nickel	0_10	0_10	36	36	100%	11.1	84.8	17	23.6	17.1	21.4	<b>7</b>	140	Yes	No	No
Platinum	0_10	0_10	32	36	89%	0.005	0.93	0.019	0.0902	0.2	0.046	NE	NE	---	---	NA
Selenium	0_10	0_10	8	36	22%	0.9	3.5	1.05	1.38	0.868	0.9	<b>0.3</b>	6	Yes	No	No
Silver	0_10	0_10	14	36	39%	0.13	3.3	0.7	1.33	1.29	ND	1.6	31	Yes	No	No
Sodium	0_2	0_2	19	19	100%	345	17200	930	2620	4230	864	NE	NE	---	---	NA
Sodium	2_10	2_10	17	17	100%	407	5780	995	1630	1560	1050	NE	NE	---	---	NA
Sodium	10_UMCf	10_UMCf	15	15	100%	615	5820	1080	1570	1460	1200	NE	NE	---	---	NA
Thallium	0_10	0_10	32	36	89%	0.054	0.89	0.169	0.303	0.266	0.193	0.4	8	Yes	No	No
Tin	0_10	0_10	10	36	28%	0.42	22.6	19.4	20.4	1.88	ND	5500	110000	No	No	No
Tungsten	0_10	0_10	35	36	97%	0.13	13.9	0.26	1.36	2.59	0.62	41	820	No	No	No
Uranium	0_2	0_2	19	19	100%	0.705	9.64	1.11	2.25	2.64	1.01	14	270	No	No	No
Zinc	0_10	0_10	36	36	100%	20.8	206	35	53.6	39.2	254	620	1200	No	No	No

Notes:

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