

**TABLE 1A**  
**Screening of Inorganic Chemicals Using LBCLs and LSSLs**

Parameter of Interest	Chemical Name	Count	Detection Count	Detection Frequency	Maximum Detection (mg/kg)	Count of Detections in Groundwater Above RBGC <sup>5</sup>	LBCL (DAF=1) <sup>3</sup> (mg/kg)	LBCL (DAF 20) <sup>3</sup> (mg/kg)	Detections > LBCL <sup>6</sup> (DAF=20)	LSSL <sup>4</sup> (mg/kg)	Total Detections > LSSL <sup>6</sup>
<b>Metals</b>	Aluminum	705	705	100%	21500	0	5.5E+04	>100% wt/wt	0	NC	--
	Antimony	695	215	31%	30	0	3.0E-01	6.0E+00	11	1.02E+02	0
	Arsenic	705	705	100%	476	96	1.0E+00	2.0E+01	52	2.12E+01	52
	Barium	705	705	100%	6760	0	8.20E+01	1.64E+03	7	3.32E+04	0
	Beryllium	705	705	100%	3.59	0	3.0E+00	6.0E+01	0	NC	--
	Boron	705	313	44%	1510	18	2.34E+01	4.67E+02	6	5.56E+03	0
	Cadmium	705	527	75%	21.40	1	4.0E-01	8.0E+00	2	9.11E+03	0
	Chromium (Total)	705	705	100%	2760	48	2.0E+00	4.0E+01	36	5.32E+03	0
	Chromium (VI)	705	150	21%	131	46	2.0E+00	4.0E+01	5	1.42E+03	0
	Cobalt	705	705	100%	784	6	4.95E-01	9.90E+00	55	5.18E+01	10
	Copper	705	705	100%	710	0	4.58E+01	9.15E+02	0	NC	--
	Iron	705	705	100%	45600	1	6.44E+02	1.29E+04	492	1.54E+04	252
	Lead	705	705	100%	3280	2	1.35E+01	2.70E+02	11	4.42E+03	0
	Magnesium	705	701	99%	240000	49	9.73E+02	1.95E+04	80	3.04E+04	44
	Manganese	701	701	100%	70300	18	3.33E+01	6.66E+02	80	2.39E+03	35
	Mercury	705	593	84%	34.20	0	1.04E-01	2.09E+00	1	1.97E+01	1
	Molybdenum	705	681	97%	82.20	2	3.64E+00	7.27E+01	1	2.38E+03	0
	Nickel	705	705	100%	274	0	7.0E+00	1.40E+02	3	4.26E+05	0
	Selenium	705	35	5%	3.50	0	3.0E-01	6.0E+00	0	NC	--
	Silver	705	154	22%	9.60	0	1.6E+00	3.1E+01	0	NC	--
	Strontium	705	703	100%	4280	6	7.7E+02	1.54E+04	0	NC	--
	Thallium	705	659	93%	61.80	0	4.0E-01	8.0E+00	3	8.92E+01	0
	Tin	705	77	11%	24.20	0	5.48E+03	1.10E+05	0	NC	--
Titanium	705	705	100%	2480	0	1.5E+05	>100% wt/wt	0	NC	--	
Tungsten	705	644	91%	158	2	4.12E+01	8.23E+02	0	NC	--	
Uranium	705	703	100%	55.20	57	1.35E+01	2.70E+02	0	NC	--	
Vanadium	705	705	100%	205	5	3.0E+02	6.0E+03	0	NC	--	
Zinc	705	700	99%	753	0	6.20E+02	1.24E+04	0	NC	--	
<b>Perchlorate</b>	Perchlorate	705	647	92%	22800	84	3.60E-03	7.20E-02	635	5.84E-02	640

Notes:

- 1 - Shading indicates that the chemical is screened out from further evaluation.
- 2 - All chemicals, including those screened out by the LSSL, are shown in the table except those without an RBGC (i.e. platinum, potassium and sodium).
- 3 - The generic LBCL is used for chemicals without an established LBCL. Where applicable, the adjusted LBCL is used based on the NDEP approved hierarchy for RBGCs (See Attachment 2 Table 2A).
- 4 - LSSLs are calculated for chemicals with detection greater than the LBCL (DAF=20).
- 5 - Groundwater exceedances are based on the highest result from each well sampled during Phase B investigations.
- 6 - Soil statistics are based on the highest sample result from a given depth interval in each boring. The dataset includes Phase A, Phase B, and Phase B December resample Normal Environmental and Field Duplicate samples.

Abbreviations:

- DAF = Dilution attenuation factor (NDEP, 2009)  
 LBCL = Leaching-based, basic comparison level (NDEP, 2009)  
 LSSL = Leaching-based, site-specific level (NDEP, 2009)  
 NC = LSSL not calculated for chemicals that do not exceed the LBCL (DAF=20).  
 RBGC = Risk-based groundwater concentration  
 mg/kg = milligrams per kilogram