MB LABORATORIES LTD
ANALYTICAL & TESTING SERVICES

METALS SCAN - INFORMATION

(ICP + Colorimetric + AA + Potentiometric)
EXAMPLE ONLY

Elements	* Detection Limits	Units	Maximum Limits Permissible In Drinking Water**
1) Aluminum Al	0.010	mg/L	no limit listed
2) Antimony Sb	0.0001	mg/L	0.006
3) Arsenic As	0.0001	mg/L	0.010
4) Barium Ba	0.001	mg/L	1.00
5) Beryllium Be	0.002	mg/L	no limit listed
6) Boron B	0.001	mg/L	5.00
7) Cadmium Cd	0.0001	mg/L	0.005
8) Calcium Ca	0.001	mg/L	200.0
9) Chromium Cr	0.004	mg/L	0.050
10) Cobalt Co	0.005	mg/L	no limit listed
11) Copper Cu	0.002	mg/L	1.00
12) Gold Au	0.004	mg/L	no limit listed
13) Iron Fe	0.005	mg/L	0.300
14) Lanthanum La	0.002	mg/L	no limit listed
15) Lead Pb	0.0001	mg/L	0.010
16) Magnesium Mg	0.001	mg/L	50.0
17) Manganese Mn	0.004	mg/L	0.050
18) Molybdenum Mo	0.010	mg/L	no limit listed
19) Nickel Ni	0.010	mg/L	no limit listed
20) Phosphorus P	0.010	mg/L	no limit listed
21) Potassium K	0.001	mg/L	no limit listed
22) Scandium Sc	0.001	mg/L	no limit listed
23) Silicon Si	0.010	mg/L	no limit listed
24) Silver Ag	0.010	mg/L	0.050
25) Sodium Na	0.010	mg/L	200.0
26) Strontium Sr	0.001	mg/L	no limit listed
27) Titanium Ti	0.005	mg/L	no limit listed
28) Tungsten W	0.001	mg/L	no limit listed
29) Vanadium V	0.010	mg/L	no limit listed
30) Zinc Zn	0.005	mg/L	5.00
pH	0.001	n/a	6.5 - 8.5
Hardness (mg/L $CaCO_3$)		mg/L	

* These are the current standard limits – they may be adversely affected by sample matrix.

** As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001.Task Force of the Canadian Council of Resource and Environment Ministers – Guidelines for Canadian Drinking Water Quality, 1996. Ammend. Health Canada (2006).

International and industry standards are run parallel with all samples. Duplicates are run every 10th sample. All toxic elements exceeding limits are checked by alternative methods before results are reported out to the client.