

### 35 Element Semi-Quantitative Emission Spectrograph

Element	(PPM)	( % )	Lower Detection Limit
Gold	N		10
Silver	N		0.5
Copper	10.0		5
Lead	5.0		200
Zinc	N		200
Molybdenum	N		5
Iron		1.0	0.05
Tungsten	N		50
Nickel	10.0		5
Cobalt	N		5
Chromium	N		10
Cadmium	N		20
Arsenic	N		200
Antimony	N		100
Manganese	100.0		10
Vanadium	100.0		10
Bismuth	N		10
Tin	N		10
Zirconium	10.0		10
Boron	10.0		10
Barium	300.0		20
Beryllium	N		1
Lanthanum	N		20
Niobium	N		20
Scandium	N		5
Strontium	50.0		100
Yttrium	N		10
Calcium		1.0	0.05
Magnesium		5.0	0.02
Titanium		N	0.002
Sodium		N	0.15
Aluminum		2.0	0.5
Potassium		N	0.5
Silicon		20.0	2.0
Phosphorus		1.0	0.1

N = Not detected

L = Detected, but below limit of determination

G = Greater than value shown

PPM = Parts per million