

### 35 Element Semi-Quantitative Emission Spectrograph

Element	(PPM)	( % )	Lower Detection Limit
Gold	N		10
Silver	N		0.5
Copper	10.0		5
Lead	70.0		200
Zinc	N		200
Molybdenum	N		5
Iron		3.0	0.05
Tungsten	N		50
Nickel	30.0		5
Cobalt	10.0		5
Chromium	N		10
Cadmium	N		20
Arsenic	N		200
Antimony	N		100
Manganese	200.0		10
Vanadium	70.0		10
Bismuth	N		10
Tin	N		10
Zirconium	50.0		10
Boron	30.0		10
Barium	100.0		20
Beryllium	1.0		1
Lanthanum	N		20
Niobium	10.0		20
Scandium	N		5
Strontium	N		100
Yttrium	N		10
Calcium		0.5	0.05
Magnesium		2.0	0.02
Titanium		0.2	0.002
Sodium		0.5	0.15
Aluminum		7.0	0.5
Potassium	N		0.5
Silicon		G 30.0	2.0
Phosphorus	N		0.1

N = Not detected

L = Detected, but below limit of determination

G = Greater than value shown

PPM = Parts per million