

Limits of detection for water analysis under optimum measuring conditions.*

See www.inorganicventures.com/periodic-table and Spectro Report No. ICP-73, Rev. 2

Element	Analytical Range*	Element	Analytical Range*
	----- ppm -----		----- ppm -----
Ag Silver	0.007 - 150	Mo Molybdenum	0.001 - 300
Al Aluminum	0.050 - 5000	Na Sodium	0.030 - 1000
As Arsenic	0.100 - 10000	Ni Nickel	0.010 - 2500
Au Gold**	0.020 - 7500	P Phosphorus	0.030 - 10000
B Boron	0.004 - 600	Pb Lead	0.040 - 10000
Ba Barium**	0.002 - 8000	Pd Palladium**	0.040 - 10000
Be Beryllium**	0.001 - 2100	Pt Platinum**	0.030 - 10000
Ca Calcium	0.002 - 10000	S Sulfur	0.300 - 500
Cd Cadmium	0.003 - 200	Sb Antimony**	0.030 - 10000
Co Cobalt	0.010 - 300	Se Selenium	0.080 - 10000
Cr Chromium	0.006 - 7500	Si Silicon**	0.020 - 3000
Cu Copper	0.010 - 4000	Sn Tin**	0.030 - 8000
Fe Iron	0.005 - 1000	Sr Strontium**	0.001 - 6300
K Potassium	0.400 - 1000	Ti Titanium	0.004 - 4000
La Lanthanum**	0.010 - 300	Tl Thallium**	0.040 - 10000
Li Lithium**	0.002 - 10000	V Vanadium**	0.005 - 1000
Mg Magnesium	0.002 - 5000	Yb Ytterbium**	0.002 - 1050
Mn Manganese	0.002 - 5000	Zn Zinc	0.002 - 10000

* Analytical ranges were compiled from published values and may not reflect actual ICP performance. Detection limits will vary somewhat depending on sample matrix. **Practical detection limits are typically 10 times the instrument's detection limit for that element.**

** This element has an additional charge associated with it for the cost of obtaining a standard solution.