

Supplementary Table 1: Configuration ICP-MS and ICP-OES spectrometers.

Abbreviations: Ag, silver; Al, aluminum; As, arsenic; Ba, barium; Be, beryllium; Ca, calcium; Cd, cadmium; Co, cobalt; Cr, chromium; Cs, cesium; Cu, copper; Fe, iron; Ga, gallium; Hg, mercury; I, iodine; ICP-MS, inductively coupled plasma mass spectrometry; ICP-

Component / Parameter	ICP-MS	ICP-OES
Nebulizer	Meihard	GemTip Flow Cross
Plasma gas flow	16.0 L/min	16.0 L/min
Auxiliary gas flow	1.2 L/min	0.5 L/min
Fog Rate	0.90 L/min	0.80 L/min
Sample Rate	400 µL/min	1.5 mL/min
Radio frequency power	1600 W	1600 W
Integration time	500 ms	5 s
Replicas per sample	3	5
Working mode	KED (Kinetic Energy Discrimination) 1 or 4 mL/min He	
Isotopes		Ca 317.93 nm
	⁷ Li, ⁹ Be, ⁵⁵ Mn, ⁶³ Cu, ⁷¹ Ga, ⁸⁵ Rb, ⁸⁸ Sr, ⁹⁸ Mo, ¹⁰⁷ Ag, ¹¹¹ Cd, ¹³³ Cs, ¹³⁸ Ba, ¹⁹⁵ Pt, ²⁰² Hg, ²⁰⁵ Tl, ²⁰⁸ Pb, ²³⁸ U	K 766.48 nm
	²⁷ Al, ⁴⁷ Ti, ⁵¹ V, ⁵³ Cr, ⁵⁷ Fe, ⁵⁹ Co, ⁶⁰ Ni, ⁶⁶ Zn, ⁷⁵ As, ⁷⁸ Se, ¹¹⁸ Sn, ¹²¹ Sb, ¹²⁷ I	Mg 285.21 nm
		Na 589.584 nm
		P 213.62 nm

OES, inductively coupled plasma optical emission spectrometry; K, potassium; Li, lithium; Mg, magnesium; Mn, manganese; Mo, molybdenum; Na, sodium; Ni, nickel; P, phosphorus; Pb, lead; Pt, platinum; Rb, rubidium; Sb, antimony; Se, selenium; Sn, tin; Sr, strontium; Ti, titanium; Tl, thallium; U, uranium; V, vanadium; Zn, zinc.