

Table S1.

Mass spectrometer	MC ICPMS <i>Neptune</i>	MC ICPMS <i>Neoma</i>
Collector setup solution mode	83,84,85,86,87,88	82,83,83.5,84,85,86,86.5,87,88,89
Collector setup laser ablation	82, 83.5, 84, 85, 86, 86.5, 87, 88	82, 83, 83.5, 84, 85, 86, 86.5, 87, 88, 89
Integration time	4x 1.04 s, 1s	1s
RF Power, solutions (W)	1250-1350	1250-1300
RF Power, LA (W)	1250-1300	1250-1300
RF Power LA Jet-X cones (W)		1010-1030, 1250
Cool gas (L/min)	15	13
Aux gas (L/min)	ca. 0.9	0.7-0.9
N ₂ gas solution (mL/min)	4-8	4-8
N ₂ gas LA, H-type cones (mL/min)	4-8	
N ₂ gas LA, Jet-X type cones (mL/min)		6-12
Sample gas (L/min)	ca. 0.9	ca. 0.9
Cones solution	H-type	H-type
Cones LA	H-type	H-type, Jet-X
Laser ablation	RESOLution	
Laser	Compex Pro 100	
Sample cell	Laurin Technic, two volume M-50 or S-155	
Wavelength (nm)	193 (ArF)	
Pulse length (ns)	20	
Fluence at sample (J/cm ²)	c. 8 J/cm ²	
Repetition rate	5-30 Hz	
Spot size (µm)	40 - 130	
He gas (mL/min)	~900 (M-50 cell), ~300 (S-155 cell)	