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Table 1
Instrumental and data acquisition parameters

Mass spectrometer (Nu Instruments):	AttoM SC-ICPMS, upgraded to provide "enhanced sensitivity" (ES) in mid-2015
Laser (Photon-Machines):	Analyte Excite 193-nm ArF excimer laser with HelEx sample cell
General parameters:	
RF generator power:	1300 W
Acceleration voltage:	~6000 V
Coolant gas:	13.0 L min^{-1}
Auxiliary gas:	0.9-1.0 L min^{-1}
Instrument mass resolution:	~300 (low)
Peak integration times (per sweep):	^{208}Pb (250 μs)
	^{207}Pb (500 μs)
	^{206}Pb (500 μs)
	^{204}Pb (4 ms)
	^{202}Hg (1 ms)
	^{205}Tl (500 μs)
	^{203}Tl (500 μs)
Total peak integrations (per cycle):	200
Cycle duration:	1.6 s
Abundance sensitivity (>1×10^6 cps of ^{238}U):	~80 ppm @ mass 237
	~20 ppm @ mass 236
Solution-mode parameters:	
Ni sampler cone:	"Wet" plasma type, 1.15 mm orifice
Ni skimmer cone:	"Wet" plasma type, 0.7 mm orifice
Nebulizer flow rate:	200 μL min^{-1}
Spray chamber (Glass Expansion):	Twister
Total Pb sensitivity:	~8.6×10^5 cps ppb^{-1} (SRM981)
Laser-mode parameters:	
Pulse duration	4-6 ns
Laser energy:	5-8 mJ
Energy density:	5.1-10.8 J cm^{-2}
Spot size:	15-135 μm
Repetition rate:	10 Hz
Stage translation rate:	10 μm s^{-1}
Cell & carrier He gas:	0.25-0.80 L min^{-1}
Make-up Ar gas:	0.21-0.29 L min^{-1}
Accessory N_2 gas:	5.5-6.0 mL min^{-1}
Ni sampler cone:	"Dry" plasma type, 0.9 (regular) or 0.9 (ES) mm orifice
Ni skimmer cone:	"Dry" plasma type, 0.6 (regular) or 0.7 (ES) mm orifice
Total Pb sensitivity:	~2.7×10^4 cps ppm^{-1} (SRM612, 135 μm, spot mode)
	~3.9×10^4 cps ppm^{-1} (SRM612, 135 μm, raster mode)