

**Table S1.** Aqueous limits of detection (LOD) for the elements speciated by ICP-QQQ and water-soluble ions speciated by IC.

ICP	ppt	IC	ppm
Ag	0.74	Adipate	0.023
Al	29.47	Ammonium	0.042
As	7.95	Calcium	0.045
Ba	3.70	Chloride	0.002
Cd	4.19	DMA	0.053
Co	0.72	Magnesium	0.037
Cr	1.15	Maleate	0.007
Cs	0.73	MSA	0.012
Cu	1.13	Nitrate	0.009
Fe	1.19	Oxalate	0.012
Hf	0.96	Phthalate	0.021
K	10.48	Pyruvate	0.064
Mn	1.62	Sodium	0.043
Mo	2.26	Succinate	0.011
Nb	0.52	Sulfate	0.012
Ni	2.84	TMA & DEA	0.315
P	770.73		
Pb	0.50		
Rb	1.57		
Se	82.39		
Sn	1.77		
Sr	1.10		
Ti	39.05		
Tl	0.38		
V	1.35		
Y	0.52		
Zn	5.88		



