

Element	LOD	LOQ	Element	LOD	LOQ
Al ¹	0.027 mg/L	0.0945 mg/L	Na ¹	9.9 µg/L	34.65 µg/L
B ¹	0.004 mg/L	0.014 mg/L	Nd ²	0.2 ng/L	0.7 ng/L
Ba ²	0.5 ng/L	1.75 ng/L	Ni ¹	1.4 µg/L	4.9 µg/L
Ca ¹	0.019 mg/L	0.0665 mg/L	P ¹	0.24 mg/L	0.84 mg/L
Ce ²	0.6 ng/L	2.1 ng/L	Pr ²	0.1 ng/L	0.35 ng/L
Co ¹	0.67 µg/L	2.345 µg/L	Rb ¹	0.035 mg/L	0.1225 mg/L
Cr ²	0.001 µg/L	0.0035 µg/L	S ¹	0.022 mg/L	0.077 mg/L
Cs ²	0.8 ng/L	2.8 ng/L	Sc ²	4.65 ng/L	16.275 ng/L
Cu ¹	2.5 µg/L	8.75 µg/L	Si ¹	4.3 µg/L	15.05 µg/L
Dy ²	0.2 ng/L	0.7 ng/L	Sm ²	0.07 ng/L	0.245 ng/L
Er ²	0.03 ng/L	0.105 ng/L	Sr ¹	0.011 mg/L	0.0385 mg/L
Eu ²	0.03 ng/L	0.105 ng/L	Ta ²	1.6 ng/L	5.6 ng/L
Fe ¹	1.6 µg/L	5.6 µg/L	Tb ²	0.1 ng/L	0.35 ng/L
Gd ²	0.3 ng/L	1.05 ng/L	Th ²	0.05 ng/L	0.175 ng/L
Hf ²	2.5 ng/L	8.75 ng/L	Ti ²	0.013 µg/L	0.0455 µg/L
Ho ²	0.1 ng/L	0.35 ng/L	Tm ²	0.1 ng/L	0.35 ng/L
K ¹	8.9 µg/L	31.15 µg/L	U ²	0.03 ng/L	0.105 ng/L
La ²	0.6 ng/L	2.1 ng/L	V ²	0.038 µg/L	0.133 µg/L
Li ¹	0.6 µg/L	2.1 µg/L	W ²	3.2 ng/L	11.2 ng/L
Lu ²	0.03 ng/L	0.105 ng/L	Y ²	1.1 ng/L	3.85 ng/L
Mg ¹	3.9 µg/L	13.65 µg/L	Yb ²	0.02 ng/L	0.07 ng/L
Mn ¹	0.3 µg/L	1.05 µg/L	Zn ¹	4.7 µg/L	16.45 µg/L
Mo ²	94.8 ng/L	331.8 ng/L	Zr ²	4.9 ng/L	17.15 ng/L

¹ determined by ICP-OES.

² determined by ICP-MS.

Table S2. LOD and LOQ for the elements determined with ICP-OES and ICP-MS.