

Supplementary material for the article:

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Table S2. Spearman correlation analysis for all averaged element concentrations from all samples (significant correlations ( $p < 0.05$ ) are shown in bold)

	Al	Ba	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Si	Sn	Sr	V	Zn
Al	1.000																		
Ba	0.413	1.000																	
Ca	<b>-0.881</b>	-0.084	1.000																
Cd	0.531	<b>0.762</b>	-0.280	1.000															
Co	<b>0.867</b>	<b>0.720</b>	<b>-0.699</b>	<b>0.769</b>	1.000														
Cr	<b>0.944</b>	0.161	<b>-0.902</b>	0.385	<b>0.734</b>	1.000													
Cu	-0.049	0.538	0.287	0.510	0.301	-0.182	1.000												
Fe	<b>0.972</b>	0.448	<b>-0.853</b>	<b>0.622</b>	<b>0.888</b>	<b>0.916</b>	-0.014	1.000											
K	0.357	0.315	-0.175	<b>0.706</b>	0.364	0.273	0.231	0.385	1.000										
Mg	<b>0.608</b>	0.224	-0.406	0.503	0.469	<b>0.636</b>	0.007	<b>0.580</b>	0.524	1.000									
Mn	0.070	<b>0.776</b>	0.161	<b>0.734</b>	0.503	-0.140	<b>0.797</b>	0.182	0.238	0.028	1.000								
Na	-0.385	-0.168	0.371	0.084	-0.357	-0.350	0.063	-0.343	<b>0.601</b>	0.014	-0.084	1.000							
Ni	<b>0.965</b>	0.490	<b>-0.867</b>	<b>0.594</b>	<b>0.895</b>	<b>0.888</b>	-0.084	<b>0.951</b>	0.371	<b>0.643</b>	0.140	-0.343	1.000						
Pb	<b>0.881</b>	0.399	<b>-0.846</b>	0.322	<b>0.762</b>	<b>0.790</b>	-0.042	<b>0.839</b>	0.098	0.392	0.063	-0.455	<b>0.860</b>						
Si	<b>0.657</b>	0.007	<b>-0.713</b>	-0.112	0.427	<b>0.629</b>	-0.294	<b>0.587</b>	-0.217	0.329	-0.217	-0.559	<b>0.629</b>	<b>0.825</b>					
Sn	<b>0.979</b>	0.483	<b>-0.846</b>	<b>0.615</b>	<b>0.902</b>	<b>0.909</b>	0.000	<b>0.993</b>	0.392	<b>0.587</b>	0.175	-0.329	<b>0.965</b>	<b>0.853</b>	<b>0.594</b>				
Sr	<b>-0.846</b>	0.028	<b>0.979</b>	-0.182	<b>-0.622</b>	<b>-0.923</b>	0.378	<b>-0.804</b>	-0.112	-0.441	0.294	0.371	<b>-0.825</b>	<b>-0.776</b>	<b>-0.692</b>	<b>-0.797</b>			
V	<b>0.979</b>	0.455	<b>-0.804</b>	0.531	<b>0.846</b>	<b>0.923</b>	-0.014	<b>0.937</b>	0.308	<b>0.657</b>	0.091	-0.469	<b>0.937</b>	<b>0.839</b>	<b>0.622</b>	<b>0.944</b>	<b>-0.783</b>		
Zn	0.343	<b>0.748</b>	-0.021	<b>0.804</b>	<b>0.615</b>	0.147	<b>0.832</b>	0.371	0.559	0.434	<b>0.804</b>	0.056	0.364	0.252	-0.056	0.399	0.091	0.371	