

Table S1. Specificity of ICP-MS elemental analysis, for two *U. barbata* (dUB) sample dilutions (d=10 and d=100), and (n=3) replicates; Spike Recovery % values for all 23 elements

Sample Id	dUB d=10	dUB d=10 spiked_1	dUB d=10 spiked_2	dUB d=10 spiked_3	Average (µg/L)	Theoretical Concentration µg/L	Recovery %	dUB d=100	dUB d=100 spiked_1	dUB d=100 spiked_2	dUB d=100 spiked_3	Average (µg/L)	Recovery %
Ag (µg/L)	0.007	0.970	0.964	0.948	0.961	1.000	95.388	0.039	-0.003	-0.008	-0.010	-	-
Al (µg/L)	100.124	109.101	107.952	107.166	108.073	10.000	79.486	3.747	4.261	5.772	3.989	-	-
As (µg/L)	0.039	1.299	1.280	1.325	1.301	1.000	126.231	-0.006	0.045	-0.032	0.032	-	-
Ba (µg/L)	2.968	4.153	4.087	4.044	4.095	1.000	112.698	0.209	0.209	0.214	0.190	-	-
Ca (µg/L)	1576.439	1374.213	1489.114	1351.233	1404.853	50.000	-	128.688	197.629	151.669	216.013	188.437	119.496
Cd (µg/L)	0.126	1.336	1.287	1.179	1.268	1.000	114.143	0.021	0.033	0.033	0.030	-	-
Co (µg/L)	0.054	1.546	1.576	1.549	1.557	1.000	149.392	-0.010	-0.010	-0.008	-0.005	-	-
Cr (µg/L)	0.837	1.446	1.413	1.389	1.416	1.000	141.600	-0.302	-0.363	-0.346	-0.366	-	-
Cu (µg/L)	1.268	2.518	2.571	2.576	2.555	1.000	128.659	-0.119	-0.083	-0.074	-0.085	-	-
Fe (µg/L)	58.515	96.074	95.073	98.517	96.555	50.000	76.080	-12.715	26.726	26.755	26.637	-	-
Li (µg/L)	0.014	0.888	0.847	0.971	0.902	1.000	88.848	-0.005	-0.014	-0.014	-0.018	-	-

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Mg (µg/L)	184.425	214.310	213.644	212.645	213.533	50.000	-	14.094	48.214	49.692	48.841	49.266	70.345
Mn (µg/L)	109.459	143.390	144.431	142.186	143.336	50.000	-	9.928	46.451	45.786	46.435	46.224	72.592
Ni (µg/L)	0.607	1.759	1.744	1.665	1.723	1.000	111.593	-0.359	-0.060	-0.070	-0.083	-	
Pb (µg/L)	1.351	2.150	2.129	2.085	2.122	1.000	77.052	-0.181	-0.087	-0.087	-0.090	-	
Tl (µg/L)	-0.003	0.881	0.869	0.855	0.868	1.000	87.100	0.061	0.016	0.017	0.016	-	
V (µg/L)	0.176	0.982	0.970	0.990	0.981	1.000	80.444	0.003	0.006	0.006	0.004	-	
Zn (µg/L)	25.235	85.796	85.203	82.649	84.550	50.000	118.629	-1.034	62.236	61.223	61.767	-	
Hg (µg/L)	0.677	2.010	1.831	1.942	1.928	1.000	125.061	-0.068	-0.013	-0.017	-0.030	-	
Mo (µg/L)	0.027	0.854	0.879	0.847	0.860	1.000	83.345	-0.005	-0.005	-0.010	-0.016	-	
Pd (µg/L)	0.177	1.036	1.049	1.011	1.032	1.000	85.469	-0.015	-0.008	-0.012	-0.011	-	
Pt (µg/L)	0.000	1.098	1.084	1.068	1.083	1.000	108.305	-0.001	-0.001	-0.001	0.000	-	
Sb (µg/L)	0.045	1.121	1.066	1.157	1.115	1.000	106.999	-0.018	0.038	0.066	0.061	-	