

Table 1. Summary statistics for trace element determination, USM.								
	Ba	Cd	Cu	Ga	Mn	Nd	Ni	Pb
	nmol/kg	pmol/kg	nmol/kg	pmol/kg	nmol/kg	pmol/kg	nmol/kg	pmol/kg
Cast overlap comparison (n=12) (Note 1)								
Average concentration	94.2	847	1.9	10.8	0.35	15.6	7.8	20
Average absolute difference	1.7	21	0.08	0.6	0.02	0.6	0.10	1
Spike Recovery (Note 2)								
Percent recovery	101.6 %	104.6 %	103.3 %	99.9%	101.6%	101.4 %	98.7%	98.0%
Std. dev.	1.4%	4.3%	5.0%	7.1%	4.3%	1.1%	1.7%	3.0%
Replicates	n=3	n=12	n=12	n=13	n=12	n=40	n=12	n=27
GEOTRACES Reference Waters (Notes 3-6)								
Replicates	n=12	n=9	n=9	n=12	n=9	n=3	n=9	n=10
Sample GS (GSP for Nd)								
Concentration (USM)	44.3	11	0.88	42.5	1.50	3.96	2.20	30
Std. deviation	0.8	4	0.04	1.6	0.09	0.17	0.05	1
Consensus conc. (Std. Dev.)	43.0 (1.1)	2.1 (0.6)	0.84 (0.06)	42.5 (1.7)	1.50 (0.11)	unk.	2.08 (0.06)	28.6 (1.0)
	43.7 (1.0)							
Sample GD (GSD for Nd)								
Concentration (USM)	54.1	278	1.73	32.8	0.24	14.35	4.12	44
Std. deviation	0.9	6	0.04	1.4	0.02	0.34	0.07	1
Consensus conc. (Std. Dev.)	52.7 (0.5)	271 (6)	1.62 (0.07)	32.7 (1.4)	0.21 (0.03)	unk.	4.00 (0.10)	42.7 (1.5)
	54.3 (1.5)							
In-House Reference Waters								
Replicates	n=6	n=12	n=12	n=23	n=12	n=19	n=12	n=17
"NAZT"								
Concentration	42.9	864	3.45	21.2	0.18	7.5	8.98	9
Std. deviation	0.6	20	0.18	2.4	0.02	0.3	0.09	1
"NAZT-S"								
Concentration	84.8	1171	5.58	49.1	1.16	51.9	13.86	27
Std. deviation	1.0	24	0.17	3.3	0.04	2.0	0.10	2