

Detection limits (in pmol/kg for all elements) used for flagging were:

	Fe	Zn	Cu	Ni	Cd	Pb	Mn
Detection limit	17.4	43.6	8.45	5.08	0.320	0.14	1.74

Accuracy and precision were assessed using repeated analysis of community consensus solutions (SAFe S, D1, and D2), as well as thorough national and international intercalibration at overlap stations. We report the consensus solution results here, and the (inter)national intercalibration was reported to the GEOTRACES Standards & Intercalibration Committee using the GEOTRACES DoOR portal.

CRM	n	Element (nmol/kg)						
		Fe	Zn	Ni	Cu	Cd	Pb	Mn
SAFe D1		0.630	7.370	8.646	2.079	1.029	0.023	0.394
SD	35	0.063	0.272	0.207	0.133	0.023	0.001	0.019
RSD		10%	3.7%	2.4%	6.4%	2.2%	4.3%	4.8%
Consensus (May 2013)		0.670	7.400	8.580	2.270	0.991	0.028	
SD		0.040	0.350	0.260	0.110	0.031	0.003	
SAFe D2		0.979	7.470	8.769	2.198	1.031	0.027	0.436
SD	32	0.045	0.173	0.172	0.114	0.012	0.001	0.015
RSD		4.6%	2.3%	2.0%	5.2%	1.2%	3.7%	3.4%
Consensus (May 2013)		0.933	7.430	8.630	2.280	0.986	0.028	0.350
SD		0.023	0.250	0.250	0.150	0.023	0.002	0.050
SAFe S		0.085	0.081	2.401	0.542	0.002	0.049	0.869
SD	4	0.038	0.007	0.022	0.013	0.000	0.000	0.011
RSD		44%	8.6%	0.9%	2.4%	--	--	1.3%
Consensus (May 2013)		0.093	0.069	2.280	0.520	0.001	0.048	0.790
SD		0.008	0.010	0.090	0.050	0.000	0.002	0.060