

Table S4. Results of the ICP-OES analysis on USGS standards BCR-2 and AGV-2 which were generated by lithium-tetraborate fusion.

Major Oxide Name (wt.%)	BCR-2	RSD	BCR-2 (Jochum et al., 2016)	AGV-2	RSD	AGV-2 (Jochum et al., 2016)
SiO₂	54.107	0.4%	54.00	59.373	0.2%	59.14
TiO₂	2.260	0.4%	2.265	1.051	0.6%	1.051
Al₂O₃	13.501	0.5%	13.48	16.930	0.9%	17.03
Fe₂O₃	13.801	0.2%	13.77	6.698	1.0%	6.780
MnO	0.196	0.8%	0.196	0.099	1.3%	0.100
MgO	3.590	0.0%	3.599	1.792	0.1%	1.800
CaO	7.120	1.0%	7.144	5.206	0.2%	5.150
Na₂O	3.160	0.6%	3.120	4.195	0.2%	4.204
K₂O	1.790	0.0%	1.744	2.883	0.9%	2.898
P₂O₅	0.350	1.5%	0.359	0.480	1.5%	0.483