

Table 2
Reference materials

	Pb μg g ⁻¹	SiO ₂ wt. %	FeO ^{Ta} wt. %	Material type	Locality
Synthetic glasses ^b :					
NIST SRM610 glass	426	~72	tr.		
NIST SRM612 glass	38.6	~72	tr.		
USGS glasses ^c :					
BCR-2G	~10	54.9	12.6	Basalt	Columbia River Basalt
BHVO-2G	~2	50.5	11.2	Basalt	Kilauea, Hawaii
Natural materials ^d :					
St. Gotthard	~130	n.d.	n.d.	Adularia	St. Gotthard, Switzerland
Inyo	~25	n.d.	n.d.	Obsidian glass	Inyo Craters, California
Haer	~4	n.d.	n.d.	Sanidine megacryst	Haer Volcano, Mongolia
MPI-DING glasses ^e :					
GOR132-G	19.5	45.8	10.1	Komatiite	Gorgona Island
T1-G	11.6	58.6	6.5	Quartz diorite	Italian Alps
StHs6/80-G	10.3	63.8	4.4	Andesitic ash	Mount St. Helens
ATHO-G	5.7	75.8	3.2	Rhyolite	Iceland
KL2-G	2.1	50.4	10.7	Basalt	Kilauea, Hawaii
ML3B-G	1.4	51.0	11.0	Basalt	Mauna Loa, Hawaii

^aTotal iron expressed as FeO.

^bThe element concentrations are the NIST certificate values. These reference materials have only a trace (tr.) of iron.

^cThe element concentrations are the certificate values for the corresponding USGS powdered whole-rock reference material.

^dThe approximate Pb concentrations were measured on dissolved mineral or glass chips at the USGS SWIRL by quadrupole ICPMS. The major element abundances of these materials were not determined (n.d.).

^eThe element concentrations are from Jochum et al.^{31,34}