

Ultra Trace Laboratories - u85878

Sample UNITS	TiO2 %	Fe2O3 %	SiO2 %	Al2O3 %	Cr2O3 %	MgO %	MnO %	ZrO2+HfO2 %	P2O5 %
GW8800A	44.57	5.88	16.77	5.25	0.222	0.47	0.1	23.6	0.104
GW8800B	34.68	2.37	20.37	1.78	0.146	0.12	0.05	37.8	0.075
GE9900	35.59	4.47	21.26	2.79	0.174	0.24	0.08	33.2	0.095
RP5300	31.47	1.53	21.78	2.17	0.152	0.15	0.02	40.4	0.084
LBS-C1	47.06	3.7	17.14	6.88	0.346	0.62	0.05	20.5	0.096
LBS-B1	47.91	3.5	16.41	5.91	0.343	0.53	0.05	21.2	0.093

Sample Preparation

The samples have been sorted and dried.

The whole sample has been pulverised in a vibrating pulveriser equipped with a Tungsten Carbide bowl. A barren flush has been pulverised between each sample.

Analytical Methods

The samples have been cast using a 12:22 flux to form a glass bead which has been analysed by XRF.

TiO2, Fe2O3, SiO2, Al2O3, Cr2O3, MgO, MnO, ZrO2+HfO2, P2O5, U, Th, V2O5, Nb2O5
CaO, SO3, K2O, CeO2
have been determined by X-Ray Fluorescence Spectrometry

Loss on Ignition has been determined between 105 and 1000 degrees celsius.
Results are reported on a dry sample basis.

LOI1000

has been determined Gravimetrically

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Sample UNITS	U ppm	Th ppm	V2O5 %	Nb2O5 %	CaO %	SO3 %	K2O %	CeO2 %	LOI1000 %
GW8800A	111	138	0.2	0.148	0.12	0.015	-0.01	0.012	0.91
GW8800B	169	112	0.17	0.142	0.04	0.026	-0.01	0.01	0.4
GE9900	146	120	0.16	0.143	0.1	0.007	-0.01	0.01	0.66
RP5300	183	112	0.15	0.123	0.05	0.002	-0.01	0.006	0.41
LBS-C1	111	150	0.18	0.126	0.11	0.013	-0.01	0.014	1.18
LBS-B1	110	149	0.19	0.139	0.1	0.014	-0.01	0.006	1.12