

Ultra Trace Laboratories - u86920

Sample	TiO2	Fe2O3	SiO2	Al2O3	Cr2O3	MgO	MnO	ZrO2	P2O5
UNITS	%	%	%	%	%	%	%	%	%
13997	1.73	1.81	96.1	0.32	0.014	0.05	0.02	0.52	0.019
13998	0.64	1.04	97.6	0.18	0.005	0.02	-0.01	0.11	0.012
13999	0.56	1.45	97.47	0.18	0.006	0.02	-0.01	0.1	0.016
14000	0.33	1.05	98.07	0.21	0.006	0.02	-0.01	0.06	0.013
14001	0.3	0.61	98.79	0.12	0.007	-0.01	-0.01	0.04	0.009
SARM 59 (Ilm)	48.8	50.3	0.75	0.61	0.106	0.56	1.05	0.08	0.012
STD 1.1	48.75	50.25	0.77	0.58	0.109	0.57	1.05	0.09	0.011
LOI std 1									
STD 1.2									
14002	0.41	0.7	97.95	0.17	0.006	0.03	-0.01	0.07	0.01
14003	0.51	1.47	94.6	2.12	0.007	0.03	-0.01	0.12	0.015
14004	0.79	0.76	97.45	0.22	0.007	0.02	-0.01	0.21	0.012
14004 Rpt	0.78	0.74	97.56	0.21	0.007	0.03	-0.01	0.22	0.011
SARM59/SARM62 (50:50)	24.5	25.2	16.8	0.75	0.059	0.3	0.54	32.1	0.071
STD 2.1	24.56	25.3	16.63	0.73	0.057	0.31	0.54	32.1	0.071
LOI std 2									
STD 2.2									
UT-1 Ilm cal std	0.26	24.13	40.43	13.88	0.031	0.96	0.15	0.01	1.06
STD 3.1	0.27	24.16	40.45	13.91	0.028	0.98	0.15	0.02	1.07
LOI std 3									
STD 3.2									

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, 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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