

Name and description	SiO <sub>2</sub> wt %	Al <sub>2</sub> O <sub>3</sub> wt %	Fe <sub>2</sub> O <sub>3</sub> wt %	TiO <sub>2</sub> wt %	MgO wt %	CaO wt %	Na <sub>2</sub> O wt %	K <sub>2</sub> O wt %	P <sub>2</sub> O <sub>5</sub> wt %	LOI wt %	Sum wt %	Mn mg kg <sup>-1</sup>	Ba mg kg <sup>-1</sup>	Sr mg kg <sup>-1</sup>	Rb mg kg <sup>-1</sup>	Nd mg kg <sup>-1</sup>	Sm mg kg <sup>-1</sup>
Data collected by XRF																	
R01	63.2	16.3	7.1	0.8	1.4	0.3	1.0	2.6	0.3	7.5	100.5	488	403	97.4	102	35	< 10
R02	65.4	13.0	7.9	0.6	1.5	0.6	0.7	2.2	0.3	7.2	99.4	1038	357	81.9	88.8	27	< 10
R03	70.9	8.9	3.2	0.6	0.9	6.2	1.1	1.6	0.1	7.0	100.5	472	356	142	55.1	23	< 10
R04	57.1	19.1	3.5	0.9	1.3	0.2	0.6	3.6	0.1	12.9	99.3	178	511	116	150	42	< 10
Data collected by ICP-OES*																	
R01	63.2	15.7	7.1	0.8	1.4	0.4	1.1	2.4	0.2	7.9	100.0	497	438	98	103	32	6
R02	64.7	12.6	8.0	0.6	1.4	0.6	0.8	2.1	0.3	8.9	100.0	1056	371	83	89	26	5
R03	70.0	8.6	3.3	0.6	0.9	6.1	1.1	1.5	0.1	7.7	100.0	480	366	139	54	25	5
R04	58.3	18.5	3.5	0.9	1.3	0.2	0.7	3.2	0.1	13.3	100.0	190	542	107	147	39	7

\* SiO<sub>2</sub> concentrations calculated by assuming 100 % recovery.