

Table A1. Average mineral compositions for calculation of bulk extracts in the low Sr-Zr and high Sr-Zr lavas

	Low Sr-Zr lavas			High Sr-Zr lavas			Both lava types		
<i>Majors [wt%]</i>	ol	cpx	plag	ol	cpx	plag	mt	il	ap
SiO <sub>2</sub>	39.77	46.71	47.71	37.82	47.40	56.48	0.27	0.19	0.61
TiO <sub>2</sub>	0	2.85	0	0.08	2.95	0	20.77	49.76	0
Al <sub>2</sub> O <sub>3</sub>	0	6.80	33.30	0	5.69	26.67	4.03	0.51	0
Fe <sub>2</sub> O <sub>3</sub>	0	3.05	0.70	0	3.04	0.96	26.27	9.07	0
FeO	16.50	5.02	0	26.11	5.02	0	42.75	34.15	0.34
MnO	0.21	0.12	0	0.69	0.18	0	0.84	0.68	0.04
MgO	43.19	12.82	0	34.85	12.78	0	4.92	5.53	0.15
CaO	0.33	22.12	15.38	0.45	22.30	8.66	0.14	0.154	56.06
Na <sub>2</sub> O	0	0.50	2.46	0	0.65	5.74	0	0	0.26
K <sub>2</sub> O	0	0	0.45	0	0	1.49	0	0	0
P <sub>2</sub> O <sub>5</sub>	0	0	0	0	0	0	0	0	42.54
Total	100	100	100	100	100	100	100	100	100
<i>Traces [ppm]</i>									
Sr	0	163	2413	0	116	1576	0	0	3967
Zr	0	164	0	0	363	0	0	0	0
Ba	0	291	147	0	479	1651	0	0	2431