

Table 1: major element oxides for section A of Mt. Doom

	79-35d	79-33b	79-8a	79-26	97-8	97-9	79-39b	97-10	97-11
SiO ₂	47.68□	56.31□	64.40□	66.13□	56.30□	51.80□	57.15□	54.10□	74.18□
TiO ₂	0.71□	0.66□	1.02□	0.65□	0.95□	0.46□	1.17□	0.71□	0.27□
Al ₂ O ₃	17.74□	16.68□	15.55□	15.25□	17.40□	20.00□	16.03□	18.90□	13.65□
FeO	9.72□	7.08□	5.59□	4.45□	7.17□	6.13□	7.53□	6.54□	1.87□
MnO	0.16□	0.12□	0.12□	0.07□	0.12□	0.09□	0.11□	0.11□	0.02□
MgO	9.35□	6.26□	1.38□	2.03□	4.42□	7.87□	4.29□	5.73□	0.05□
CaO	11.74□	8.43□	3.78□	3.77□	7.88□	9.53□	7.27□	9.49□	1.24□
Na ₂ O	2.30□	2.73□	5.01□	3.80□	3.54□	2.68□	3.33□	3.17□	4.07□
K ₂ O	0.09□	1.46□	2.33□	3.33□	1.26□	0.75□	1.82□	0.89□	4.42□
P ₂ O ₅	0.06□	0.09□	0.30□	0.15□	0.18□	0.10□	0.52□	0.14□	0.04□
Total	99.55	99.82	99.48	99.63	99.22	99.41	99.22	99.78	99.81