

Sample No.	5.1	5.4	5.6	6c3	6c6	10.1	11.1	14.4	14.3	14.2	6c7	6c2
Rock Type	Lavas	Lavas	Lavas	Lavas	Lavas	Lavas	Lavas	Lavas	Perapedhi	Umber	Umber	Radiolarite
SiO ₂	51.588	37.16	49.64	19.61	26.1	24.57	49.25	63.222	47.109	47.812	43.74	83.77
Al ₂ O ₃	14.668	10.16	13.17	5.76	7.03	6.82	12.95	9.724	13.71	9.623	6.7	4.96
Fe ₂ O ₃	7.872	8.91	9.03	5.71	8.97	4.87	9	2.87	9.143	13.644	28.23	3.9
MgO	10.855	8.78	9.95	2.51	4.13	3.82	11.37	2.018	8.418	4.011	5.13	1.53
CaO	9.984	18.57	10.04	34.02	26.26	29.73	9.12	11.471	10.858	4.388	1.22	0.63
Na ₂ O	1.025	0.06	3.67	0.3	-0.04	0.52	1.6	1.747	0.196	0.11	0.4	0.11
K ₂ O	0.147	1.849	0.2	2.321	2.948	1.7	1.079	1.057	0.578	2.146	0.727	1.156
TiO ₂	0.327	0.183	0.296	0.118	0.144	0.114	0.244	0.527	0.251	0.401	0.201	0.209
MnO	0.137	0.205	0.198	0.242	0.173	0.099	0.165	0.124	0.152	0.465	1.427	0.082
P ₂ O ₅	0.011	0.024	0	0.081	0.067	0.014	-0.002	0.07	0.002	0.421	0.596	0.097
LOI	3.09	13.8	3.52	28.86	23.9	25.53	5.13	6.86	9.44	16.63	10.71	3.24
Total	99.70	99.70	99.71	99.53	99.68	97.79	99.91	99.69	99.86	99.65	99.08	99.68
Zn	62.8	95.5	70	85.3	119.4	79.2	76.1	82.3	160	487.2	304.7	50.6
Cu	238.4	54.8	112.3	80.1	53.3	107.7	43.8	124	87.1	418.6	283	43.1
Ni	136.3	347.6	134.9	135.1	304	85.2	202.4	265	216.9	330.3	300.3	65.5
Cr	420.6	1392.3	520.9	440.3	1099.3	270.8	609.1	909	74.3	52.4	111.7	28.3
V	250.6	241.8	281.8	210.7	166.3	94.6	247.5	299.2	243.8	488.7	346.8	43.6
Ba	9.8	66.9	41.5	141.7	121.5	44.1	36.1	16.4	114.9	38	41	60.3
Sc	45.9	36	62.1	28.8	36.1	27.2	49.1	56	21.9	16.9	19	9.1
La	0	0.3	-1.5	5.6	2.5	-0.9	-1.1	0	77.8	77.2	76.8	18
Ce	3.3	-0.4	1.2	-1	2.7	1.6	0.1	2	112.8	30.2	60.2	33.9
Nd	2	-1	-0.1	2.2		0	-0.9	-0.4	76.1	95.3	73.5	20.1
U	0.1	-0.6	-0.4	0	0.2	-0.1	-0.5	-0.9	-0.1	0.5	-1.5	0.2
Th	0.3	-0.3	0.1	-0.9	-1.5	0.1	0.1	0.3	7	-1.3	-0.3	3
Pb	1.3	0.8	2	1.1	1.7	0.7	0.5	1.5	79.1	153.7	113	12.9
Nb	0.6	0.8	0.7	0.5	0.4	0.5	0.7	0.7	8.7	5.2	5.2	4.1
Zr	13.2	8.1	9	6.7	7.2	4.6	4.8	6.6	93.8	84	74.9	41.4
Y	9.9	6	9	9.4	9.1	8.5	5.2	8.7	73.1	95.2	72.3	17.9
Sr	57.6	121	201.3	94.3	87.3	69.8	227.3	246.2	129.9	38.6	37.6	74.1

Rb	0.9	19.6	4.2	20.7	28.4	24	9.4	8.5	77	24.7	27.6	39.1
----	-----	------	-----	------	------	----	-----	-----	----	------	------	------