

StHz6/80-G					ATHO-G						
Major Element wt.%	This study		Preferred Value		Major Element wt.%	This study		Preferred Value			
	Av.	SD	Av.	U		Av.	SD	Av.	U		
SiO <sub>2</sub>	64.20	0.14	63.94	0.50	SiO <sub>2</sub>	75.98	0.16	75.89	0.70		
TiO <sub>2</sub>	0.74	0.06	0.71	0.02	TiO <sub>2</sub>	0.29	0.05	0.26	0.02		
Al <sub>2</sub> O <sub>3</sub>	17.78	0.10	17.87	0.20	Al <sub>2</sub> O <sub>3</sub>	12.10	0.06	12.25	0.20		
FeO	4.26	0.12	4.39	0.07	FeO	3.19	0.10	3.28	0.10		
MnO	0.11	0.04	0.08	0.00	MnO	0.12	0.07	0.11	0.01		
MgO	1.98	0.04	1.98	0.04	MgO	0.07	0.03	0.10	0.01		
CaO	5.32	0.06	5.30	0.09	CaO	1.77	0.04	1.71	0.03		
Na <sub>2</sub> O	4.21	0.04	4.46	0.14	Na <sub>2</sub> O	3.63	0.08	3.76	0.31		
K <sub>2</sub> O	1.41	0.05	1.29	0.02	K <sub>2</sub> O	2.84	0.04	2.65	0.09		
Total	100.00		100.00		Total	100.00		100.00			
n	15					15					
Trace element ppm					Trace element ppm						
	Av.	SD	Av.	U	Diff. (%)		Av.	SD	Av.	U	Diff. (%)
Sc	10.91	1.22	11.5	0.8	-5.2	Sc	8.19	1.41	7.00	0.90	17.0
V	86.45	3.30	90.3	6.7	-4.3	V	3.96	0.45	3.91	0.34	1.3
Cr	16.53	1.66	16.9	3.3	-2.2	Cr	3.89	2.64	6.10	1.40	-36.2
Co	13.33	0.58	13.2	1.1	1.0	Co	1.40	0.15	2.13	0.47	-34.3
Ni	22.41	3.04	23.7	3.8	-5.4	Ni	9.5	1.9	13.0	5.0	-26.9
Cu	38.19	3.01	41.5	8.3	-8.0	Cu	21.26	1.62	18.6	2.2	14.3
Zn	62.2	2.5	67	7	-7.1	Zn	152.9	6.0	141	15	8.4
Ga	19.82	0.89	20.9	2.7	-5.2	Ga	26.8	1.4	25.3	2.4	5.9
Rb	29.5	2.2	30.7	1.7	-3.9	Rb	68.3	5.7	65.3	3.0	4.5
Sr	487.24	19.69	482	8	1.1	Sr	93.2	5.5	94.1	2.7	-0.9
Y	10.7	0.8	11.4	0.4	-5.9	Y	101.0	4.9	94.5	3.5	6.9
Zr	112.5	5.6	118	3	-4.6	Zr	539	22	512	20	5.2
Nb	6.56	0.28	6.94	0.25	-5.5	Nb	66.2	1.9	62.4	2.6	6.1
Cs	1.57	0.17	1.75	0.11	-10.1	Cs	1.12	0.13	1.08	0.11	3.3
Ba	304	8	298	9	2.0	Ba	536	10	547	16	-1.9
La	12.0	0.6	12	0.3	0.0	La	55.6	1.8	55.6	1.5	0.0
Ce	25.9	1.0	26.1	0.7	-0.8	Ce	122.0	2.9	121.0	4.0	0.8
Pr	3.06	0.13	3.2	0.06	-4.4	Pr	14.94	0.55	14.60	0.40	2.3
Nd	13.0	0.4	13	0.3	-0.2	Nd	61.1	1.2	60.9	2.0	0.2
Sm	2.82	0.26	2.78	0.05	1.3	Sm	13.8	0.5	14.2	0.4	-3.0
Eu	0.95	0.06	0.953	0.022	-0.2	Eu	2.73	0.11	2.76	0.10	-1.1
Gd	2.53	0.26	2.59	0.09	-2.3	Gd	15.0	0.4	15.3	0.7	-2.2
Tb	0.31	0.05	0.371	0.011	-15.6	Tb	2.49	0.08	2.51	0.08	-0.8
Dy	2.15	0.11	2.22	0.06	-3.3	Dy	16.78	0.51	16.20	0.70	3.6
Ho	0.41	0.03	0.42	0.011	-1.5	Ho	3.48	0.11	3.43	0.11	1.5
Er	1.19	0.06	1.18	0.04	0.7	Er	10.24	0.42	10.30	0.50	-0.6
Tm	0.15	0.02	0.172	0.007	-11.9	Tm	1.59	0.08	1.52	0.07	4.3
Yb	1.10	0.09	1.13	0.03	-2.8	Yb	10.40	0.35	10.50	0.40	-0.9
Lu	0.17	0.02	0.168	0.006	0.7	Lu	1.53	0.08	1.54	0.05	-0.5
Hf	2.94	0.15	3.07	0.09	-4.4	Hf	13.87	0.43	13.70	0.50	1.3
Ta	0.38	0.06	0.42	0.015	-8.9	Ta	3.94	0.19	3.90	0.20	1.1
Pb	10.17	0.20	10.3	0.9	-1.3	Pb	5.75	0.16	5.67	0.62	1.3
Th	2.12	0.16	2.28	0.07	-6.9	Th	7.55	0.22	7.40	0.27	2.0
U	1.05	0.03	1.01	0.04	3.8	U	2.32	0.07	2.37	0.12	-2.1
n	15					15					