

付録S2 蛍光X線分析装置 (XRF) のFP法によるGSJ岩石標準試料の主成分・微量元素組成

Appendix S2 Major and trace element compositions of the GSJ geochemical reference samples measured by XRF (FP method)

Std name	JA-1	JA-2	JA-3	JB-1a	JB-2	JB-3	JR-1	JR-2	JR-3	JG-1a	JG-2	JG-3	JP-1	JGb-2	JSI-1	JSI-2	JSd2	JSd3	JLk-1	JLk-1+	JLk-1+	JLk-1+	SRM2710
XRF (wt.%)	S (1wt.%) S (5wt.%) S (10wt.%)																						
SiO ₂	64.99	55.70	61.57	49.96	51.67	49.46	75.89	76.76	72.46	71.82	75.69	66.53	43.07	43.90	62.68	61.67	61.16	76.08	63.43	62.77	61.42	60.46	66.99
TiO ₂	0.81	0.63	0.62	1.18	1.05	1.19	0.10	0.07	0.19	0.24	0.05	0.50	0.00	0.55	0.73	0.80	0.58	0.41	0.74	0.77	0.73	0.71	0.52
Al ₂ O ₃	14.78	16.55	16.90	15.55	16.57	19.20	12.67	12.70	12.63	14.27	12.87	15.60	0.83	23.68	18.83	19.24	14.37	13.22	18.26	18.36	17.82	17.62	13.87
Fe ₂ O ₃	6.59	6.10	5.96	8.70	12.79	10.03	0.86	0.77	4.30	1.88	0.96	3.38	8.09	6.84	6.99	7.06	10.17	4.35	7.77	7.74	7.07	6.51	5.40
MnO	0.17	0.11	0.16	0.21	0.20	0.17	0.10	0.12	0.08	0.06	0.02	0.07	0.12	0.17	0.07	0.10	0.13	0.15	0.37	0.34	0.34	0.29	1.53
MgO	0.77	7.09	2.08	7.80	2.97	3.58	n.d.	n.d.	n.d.	0.64	n.d.	1.73	46.36	6.67	2.38	2.82	3.04	1.43	2.23	2.22	2.04	2.02	1.63
CaO	6.70	7.58	7.59	10.94	11.23	11.29	0.82	0.58	0.10	2.68	0.84	4.66	0.68	16.84	1.90	2.47	4.31	0.61	0.91	0.91	0.84	0.88	2.30
Na ₂ O	3.57	3.67	2.83	3.42	2.79	3.47	3.73	3.65	4.78	3.04	3.45	3.73	n.d.	n.d.	1.83	1.43	2.19	0.33	1.07	1.21	1.17	1.15	1.04
K ₂ O	1.04	2.16	1.62	1.59	0.45	0.94	5.13	5.25	4.96	4.95	5.82	3.31	n.d.	0.07	3.62	3.79	1.49	2.82	3.78	3.78	3.64	3.58	3.37
P ₂ O ₅	0.26	0.23	0.18	0.42	0.13	0.51	0.05	n.d.	0.05	0.17	n.d.	0.22	n.d.	n.d.	0.30	0.28	0.21	0.20	0.43	0.32	0.31	0.32	0.41
SO ₃	0.02	0.03	0.06	0.03	0.02	n.d.	0.03	n.d.	0.04	0.02	n.d.	0.03	0.06	0.15	0.38	0.18	1.76	0.19	0.56	1.46	4.51	6.37	0.73
As	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	0.004	0.004	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	0.004	n.d.	n.d.	0.039	n.d.	0.007	0.006	0.006	0.095
other elements	0.31	0.15	0.43	0.20	0.12	0.16	0.61	0.10	0.41	0.23	0.30	0.24	0.79	1.13	0.29	0.16	0.60	0.16	0.48	0.10	0.11	0.09	2.11
total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

n.d. = not detection