

# Sediments

wt. %	USGS	USGS	ZGI	ZGI	ZGI
	shale SDO-1	shale SGR-1	feldspathic sand FK	slate TB	black shale TS
SiO <sub>2</sub>	49.28	28.24	88.2 cv	60.23 cv	62.8 cv
TiO <sub>2</sub>	0.710	0.26	0.058 cv	0.93 cv	0.69 cv
Al <sub>2</sub> O <sub>3</sub>	12.27	6.52	6.18 cv	20.64 cv	15.96 cv
Fe <sub>2</sub> O <sub>3</sub>	-	1.46	-	0.87 calc	6.62 calc
FeO	-	1.41	-	5.43 cv	0.70 cv
MnO	0.0419	0.034	0.0037 cv	0.052 cv	0.037 cv
MgO	1.54	4.44	0.15 cv	1.93 cv	1.77 cv
CaO	1.05	8.38	0.110 cv	0.31	0.12 cv
Na <sub>2</sub> O	0.38	2.99	0.25 cv	1.32 cv	0.078 cv
K <sub>2</sub> O	3.35	1.66	4.23 cv	3.87 cv	4.86 cv
P <sub>2</sub> O <sub>5</sub>	0.110	0.328	0.077 cv	0.097 cv	0.28 cv
H <sub>2</sub> O <sup>+</sup>	-	19.37 ?	0.39	3.78 cv	4.01 cv
H <sub>2</sub> O <sup>-</sup>	-	0.45 ?	0 dried	0 dried	0 dried
CO <sub>2</sub>	1.01	11.38	0.022	0.14 ? cv	0.03
C	9.68 org	-	-	-	1.42 org
SUM Tr.	5.55	1.90	0.12	0.31	0.67
Total	84.97	88.82	99.79	99.91	100.05
Fe <sub>2</sub> O <sub>3</sub> T	9.34	3.03	0.261 cv	6.90 cv	7.40 cv
L.O.I.	21.7	31.04 calc	0.39	3.32 calc	5.7 cv
XTotal	99.77	86.93	99.91	99.59	99.70
REF	KAN90	GLA88	ZGI70	ZGI64	ZGI70

ppm	SDO-1	SGR-1	FK	TB	TS
Ag	-	0.184 los83	-	0.6	0.8
As	68.5	67	0.78 ter86	10.5 cv	27.5
Au	-	0.0089	0.002	0.003	-
B	128	54	30	90 cv	74 cv
Ba	397	290	700 cv	780 cv	1800
Be	3.3	1.06	0.59 ter83	4.1 cv	3.5 ter83
Bi	-	0.94	0.265 ter84	-	0.589 ter84
Br	-	-	-	-	-
Cd	-	0.93	0.010 ter84	-	0.060 ter84
Ce	79.3	36	16	104 cv	168
Cl	-	32	-	-	-
Co	46.8	11.8	1.4	14 cv	41 cv
Cr	66.4	30	7	82 cv	280 cv
Cs	6.9	5.2	2.6 cv	9 cv	13 cv
Cu	60.2	66	11 cv	49 cv	460 cv
Dy	6.0	1.9	-	5.0	-
Er	3.6	1.11	-	2.4	-
Eu	1.6	0.56	0.55	1.8 cv	3.2
F	-	1960	-	740 cv	1150 cv
Ga	16.8	11	6 cv	25 cv	21 cv
Gd	7.4	2.0	-	9.3	-
Ge	-	1.57 ?	-	2.4	-

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ppm	SDO-1	SGR-1	FK	TB	TS
Hf	4.7	1.39	2.4	5.0 cv	7
Hg	0.19	0.254 cha89	-	0.06	-
Ho	1.2	0.38	-	1.6	-
I	-	-	-	-	-
In	-	0.096 ?	-	-	-
Ir	-	-	-	-	-
La	38.5	20.3	20	61 cv	80
Li	28.6	147	8 cv	111 cv	40 cv
Lu	0.54	0.14	-	0.45 cv	3.6
Mo	134	35.1	0.14 ter80	2	130 cv
N	-	-	-	-	-
Nb	11.4	5.2	-	17	13
Nd	36.6	15.5	9.7	50 cv	108
Ni	99.5	29	9	40 cv	170 cv
Os	-	-	-	-	-
Pb	27.9	38	18 ? cv	8 cv	33 ? cv
Pd	-	0.0052 ?	-	-	-
Pr	8.9	3.9	-	21	-
Pt	-	0.003 ?	-	-	-
Ra Bq/g	-	-	-	-	-
Rb	126	83	132 cv	180 cv	230 cv
Re	-	-	-	-	-
Rh	-	-	-	-	-
Ru	-	-	-	-	-
S	53500	15300	22 ter88	-	220 cv
Sb	4.4 ?	3.4	0.32	3.4 cv	8.2
Sc	13.2	4.6	0.85	16 cv	22
Se	-	3.5	-	1.7	-
Sm	7.7	2.7	1.7	8.4 cv	22.9
Sr	2.9	1.9	3	6 cv	4.1
Sr	75.1	420	72 cv	160 cv	88 cv
Ta	1.1	0.42	0.16	1.4 cv	0.97
Tb	1.2	0.36	-	1.7	2.4
Te	-	0.0248 ?	-	-	-
Th	10.5	4.78	3.6	18 cv	9.1
Ti	-	0.33	0.84 ter89	-	1.21 ter89
Tm	0.45	0.17	-	0.7	-
U	48.8	5.4	1.1	2.8	22
V	160	128	8	107 cv	960 cv
W	-	2.57	0.36 ter80	2.2 cv	3.58 ter80
Y	40.6	13.0	15	39 cv	150 cv
Yb	3.4	0.94	0.8	3.3 cv	15
Zn	64.1	74	14 cv	94 cv	63 cv
Zr	165	53	80	180 cv	290 cv
REF	KAN90	GLA88	ZGI70	ZGI64	ZGI70

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