

Table VI-2. Compositions of residual deposits (saprolite and bauxite) and their parental rocks (basalt and nepheline syenite) in unit of ppm, and the enrichment factors of elements (E_{Al}^i) in the residual deposits relative to their parental rocks.

	Hawaii		Arkansas		E_{Al}^i	
	Basalt(1)	Saprolite(1)	Syenite(2)	Bauxite(2)	Saprolite	Bauxite
Ag-47	0.14	~ 0			~ 0	
Al-13	70000	70000	102000	300000	1	1
B-5	~ 0	3			>1	
Ba-56	410	8	710	13	0.02	0.006
Be-4	0.9	0.5	1.7		0.6	
Ca-20	66000	40	10100	330	0.0006	0.01
Co-27	90	18			0.2	
Cr-24	400	560	2	43	1.4	7.2
Cu-29	290	33	5	13	0.11	0.87?
Fe-26	100000		27000	58000		0.72
Ga-31	13	15	20	63	1.2	1.1
K-19	3000	~ 0	52000	500	~ 0	0.003
La-57	30	3	300	120	0.1	0.13
Mg-12	100000	1200	3800	53	0.012	0.005
Mn-25	1200	450	970	830	0.38	0.29
Mo-42	2.8	3.5	8.5	30	1.3	1.2
Na-11	12000	~ 0	56000	600	~ 0	0.004
Nb-41	15	15	130	500	1	1.3
Ni-28	840	250			0.3	
P-15	3000	950			0.32	
Pb-82	12	0.5	20	10	0.04	0.17
Sc-21	18	3	5	5.3	0.17	0.35
Si-14	200000	36500	270000	21000	0.17	0.026
Sr-38	720	2	270	35	0.003	0.043
Th-90			19.3	52		0.9
Ti-22	24000	16500	5100	7300	0.69	0.48
U-92			4.9	6.2		0.42
V-23	210	250	47	60	1.2	0.43
Y-39	60	0.1	130	57	0.002	0.15
Zr-40	190	60	500	1200	0.32	0.80

Data sources: (1) Patterson (1971); (2) Gordon et al. (1958) except Th and U data are from Adams and Richardson (1960).