

Table VI-9. Compositions of average Algoma and Lake Superior type iron formations (IF), iron formation Geostandard (IF-G), Brockman IF from Australia; and REE data from IF Geostandard (FeR-1), and Penge (PE-71) and Kuruman (KK-11) IF from South Africa (all in ppm).

	Algoma IF-G (1)	Superior Brock.(2)	Algoma ave.(3)	Superior ave.(3)		Algoma IF-G (1)	Superior Brock.(2)	Algoma ave.(3)	Superior ave.(3)
Ag		0.2			S	700	640	15700	2000
Al	790	4710	19600	7940	Sb	0.63			
As	1.5	6			Sc	0.3		8	18
B		15	410	210	Si	192600	207000	228600	220200
Ba	1.5	90	190	16	Sn	0.3	5		
Be	4.7				Sr	3	55	116	37
Bi		3			Ta	0.2			
C	820	12600	6830	16400	Th	0.1	13		
Ca	11100	12700	13400	16000	Ti	84	300	1240	390
Cd		0.3			Tl	0.02			
Cl	25	170			U	0.02			
Co	29	2	41	28	V	2	5	109	42
Cr	4	10	118	112	W	220			
Cs	0.06				Y	9		54	47
Cu	13	90	149	14	Zn	20	50	330	40
F	50	110			Zr	1		98	81
Fe	390000	308000	263500	280300		Algoma(1)		Superior(4)	
Ga	0.7	1				IF-G	FeR-1	PE-71	KK-11
Ge	24	3			La	2.8	9.8	3.14	1.9
Hf	0.04				Ce	4	7.5	3.78	3.2
In	0.02				Pr	0.4		0.42	0.39
K	100	498	5150	1660	Nd	1.8	7	1.78	1.71
Li	1	6			Sm	0.4	1.7	0.35	0.35
Mg	11400	13900	12100	11600	Eu	0.39	3.1	0.2	0.14
Mn	325	1320	1900	4900	Gd	0.74	1.5	0.61	0.49
Mo	0.7	1			Tb	0.11	0.2	0.1	0.08
Na	240	3900	3190	965	Dy	0.8	1.8	0.76	0.55
Nb	0.1				Ho	0.2	0.4	0.21	0.14
Ni	23	10	103	37	Er	0.63	1	0.7	0.5
P	280	790	1005	350	Tm	0.09	0.2	0.1	0.07
Pb	4	60			Yb	0.6	0.98	0.63	0.48
Rb	0.4	50			Lu	0.09	0.15	0.11	0.08

Note: (1) Govindaraju (1994); (2) Davy (1983); (3) Gross (1980); and (4) Bau et al. (1997).