

Table IV-8C. Concentrations (ppm) of elements in bulk samples of five enstatite chondrites (EH), Indarch (EH4), and Abee (EH4); and in their metal, sulfide, and oldhamite (CaS) phases.

Five EH			Indarch (EH4)			Abee (EH4)		
Z	Bulk 100 wt%	Sulfides 10.7 wt%	Z	Bulk 100 wt%	Oldhamite 1 wt%	Z	Bulk 100 wt%	Metal 21wt%
Ca	6160	52200 (91)	Ca	8900	523000 (59)	As	3.5	14.5 (87)
Cr	2420	9270 (41)	Cs	0.24	7 (29)	Au	0.34	1.35 (83)
Fe	342000	489000 (15)	Mg	105000	13200 (0.1)	Co	892	3660 (86)
K	650	2050 (34)	Mn	1900	2200 (1)	Cu	186	244 (28)
Mg	121000	27900 (3)	S	51800	431000 (8)	Fe	305000	906000(62)
Mn	2190	16800 (82)	Sb	0.24	9 (38)	Ga	16.5	71 (90)
Na	6860	6840 (11)	Zn	430	2900 (7)	Ge	55	198 (76)
S	41500	387000 (100)	La	0.21	75 ±36 (100)	Ir	0.55	2.43 (93)
Ti	721	5470 (81)	Ce	0.59	68 ±11 (100)	Mo	1.7	4.3 (39)
		Metal	Sm	0.14	16 ±4 (100)	Ni	17800	71000 (97)
		31.3 wt%	Eu	0.042	7 ±2 (100)	Os	0.61	2.95 (100)
P	952	1653 (54)	Tb	0.031	0.8 ±0.5 ?	Pt	1.23	5.76 (98)
Si	176000	20000 (4)	Yb	0.122	75 ±43 (100)	Re	0.045	0.187 (87)
Co	852	2720 (100)				Ru	0.96	4.94 (100)
Fe	342000	917000 (84)				Sb	0.197	0.803 (86)
Ni	1700	5420 (100)				W	0.138	0.664 (100)
								Oldhamite
								0.9 wt%
						Th	0.033	0.91(25)
						U	0.007	0.26 (34)

Sources: Five EH average (Easton, 1985); Indarch bulk (Mason, 1979), oldhamite (Larimer and Ganapathy, 1987); Abee (Rambaldi and Cendales, 1980) except Mo (Imamura and Honda, 1976); Th and U (Murrell and Burnett, 1982).

Notes: The value in parentheses represents the percent contribution by the indicated phase toward the bulk composition of the indicated element. All concentrations in ppm.

Djerfisherite, $K_3(Na,Cu)(Fe,Ni)_{12}S_{14}$, contains 1.54% Cl, 170 ppm Br, 660 ppm Rb, 570 ppm Se and 19 ppm Sr; and sphalerite (Zn,Fe)S, 1700 ppm Ga in Qingzhen (EH3) (Woolum et al., 1983).