

Table IV-8B. Concentrations of elements in the metal phase of average L chondrites, and metal and troilite phases of the iron meteorite Cape York (IIIAB).

L chondrite				Cape York (IIIAB)							
Z	class	Bulk 100%	metal 8.1 wt%	Z	class	Metal	FeS	Z	class	Metal	FeS
As	s	1.55	18.6 (97)	Ag*	c	.001-.014	0.06	Os	s	3.8	<0.005
Au	s	0.16	1.77 (89)	As	s	6.1	0.002	P	l/s	1400	0.9- 4
Co	s	590	7040 (97)	Au	s	1.4	0.0014	Pb*	c	0.01-0.1	2-10
Cu	s/c	90	708 (64)	Bi*	c	<0.008	0.06-0.13	Pd	s	2.5	0.036
Fe	s/c/l	215000	844000 (32)	Cd*	c	0.02	0.05-0.5	Pt*	s	9.4	0.7
Ga	l/s	5.7	12 (17)	Cl*	l/c	0.01-0.4	39	Re	s	0.4	<0.0004
Ge	s	10	125 (100)	Co	s	4800	5.2	Rh	s	1.7	<0.2
Ir	s	0.49	5.3 (88)	Cr	l/c	51	10 ³ -5·10 ⁴	Ru	s	4.5	0.016
Mo	s/c	1.3	7.7 (48)	Cu	s/c	189	100	Sb	s	0.28	
Ni	s	12000	148000 (99)	Ga	l/s/c	15	0.2-23	Se	c	0.006	38-92
Os	s	0.52	1.9 (93)	Ge	s	37	0.15	Sn*	s	1.9	
Pt	s	1.05	13 (100)	Hg*	c	0.04	0.17-0.49	Te*	c	0.02-0.09	1.2-7.8
Re	s	0.04	0.59 (100)	I*	c	0.01-0.3	0.02-3.6	Ti	l/c	<17	24
Ru	s	0.75	7.8 (84)	In	c	<0.01		Tl*	c	.0001-.01	.002-.2
Sb	s	0.068	0.88 (100)	Ir	s	4.6	0.003	V	l/c	0.06	3.7
W	s	0.11	1.05 (77)	Mn	l/c	20	200	W	s	1.02	<0.7
				Mo	s/c	7.2	5.6	Zn	l/c	1.5	8.7

Sources: Bulk of L chondrite (Table IV-5, L column), metals of L chondrites (Rambaldi, 1976, 1977) except Mo (Imamura and Honda, 1976). Cape York (Koeberl et al., 1986) except elements with asterisk which are averages or ranges for iron meteorites (Mason, 1971, 1979; Wedepohl, 1969-1978).

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