

Table VII-4a. The compositions (ppm) of zooplankton euphausiid, its excreted fecal pellets (Fowler, 1977), and shale (from Table VI-5).

	euphausiid	fecal pellets	shale		euphausiid	fecal pellets	shale
Ag	0.71	2.1	0.07	Hg	0.35	0.34	0.18
Cd	0.74	9.6	0.3	Mn	4.2	240	850
Ce	0.21	200?	82	Ni	0.66	20	50
Co	0.18	3.5	19	Pb	1.1	34	20
Cr	0.85	38	90	Sb	0.071	71?	1.5
Cs	0.062	6	5	Sc	0.009	2.8	13
Cu	48	230	45	Se	4.4	6.6	0.6
Eu	0.0023	0.66	1.2	Sr	120	78	170
Fe	64	24000	47200	Zn	62	950	95

Table VII-4b. The vertical fluxes ( $\text{mg/m}^2$  day) of various materials obtained from sediment traps at various depths in the Japan Sea (Masuzawa et al., 1989).

Depth (m)	Organic matter	Opal	Carbonates	Clays	Total
Sediment trap:					
890	47.7	57	12.1	22.2	139
1100	38.5	47.6	9.5	20.4	116
1870	12	18.5	4.8	15	50.4
2720	4.6	18.5	4.1	22.1	49.4
3240	5.9	16.3	3.6	34.3	60
Bottom sediment:					
3350	2.9	2.8	1	40.3	47

Table VII-4c. The compositions (ppm) of the sediment trap materials obtained at depths 890 m and 3240 m, and the bottom sediments from Japan Sea (Masuzawa et al., 1989).

	890 m	3240 m	Bottom sediments		890 m	3240 m	Bottom sediments
Ag	1.65	1.25	0.11	La	3.8	16.6	34.8
Al	8200	35500	75700	Mn	470	3150	3870
As	15.3	15.8	15.4	Rb	17	73	102
Ba	823	840	613	Sb	1.34	2.32	1.97
Br	1670	1500	65?	Sc	1.7	7.3	14
Ca	32300	22400	6100	Se	8.9	7.7	5.3
Co	6.1	21.5	24.2	Sr	564	231	154
Cs	1.2	4.81	9.24	Ta	0.15	0.66	1.13
Fe	6300	33000	40500	Th	1.38	6.46	14.6
Hf	0.49	2.25	5.14	V	22	71	139
I	502	219	366	Zn	113	192	172

K 2400 13400 23700

---