

Table VIII-4. Elemental compositions of the reference man and related organic samples (solid in µg/g, liquid in µg/cm).

	Total soft tissue (1)	Skeleton (1)	Reference man (1)	Average diet (2)	Urine (3)	Milk (4)	Residence time years(days)
Ag	0.013	(0.59 h)	0.04 h	0.02	0.0007		7.8
Al	0.67	(36 h)	2.6 h	1.7	0.07	0.33 s	5.1
As	0.3 ?	0.01 ?	0.26 ?	0.036	0.035	0.0005 s	1
B	0.23	0.74	0.3	2	0.71		(21)
Ba	0.03	2	0.31	0.44	0.018		2.4
Be	0.00045	0.001	0.0005	<0.011	<0.00007		
Bi				0.0036			
Br	2.8	2.8	2.9	6.1	2.8		(52)
C %	23	25	23	21 s	0.34 s	0.61 s	(260)
Ca	230	1.0E+5	14000	990	150	240	13
Cd	0.63	1.2	0.71	0.046	0.0007 ?		
Cl	1400	1400	1400	3900	3100	400	(23)
Co	<0.02	0.28	0.021		0.0007	0.00027	4.2
Cr	0.03	0.48	0.094	0.23	0.0007	0.0015	18
Cs	0.023	0.016	0.021	0.0094	0.007		(150)
Cu	1.1	0.72	1	2.2	0.035	0.19	3.9
F	0.48	250	37	0.36	1.2	0.017	4.2
Fe	55	81	60	17	0.14	0.45	59
Ge				0.27	1		
Hg	0.22 ?			<0.012	0.003	0.0033	
I	0.22	(0.16 h)	0.19	0.16	0.12	0.056	(79)
K	2000	1500	2000	2000	2000	550	(50)
Li	0.01	(0.024)		0.08	0.5 ?		
Mg	130	1100	270	180	81	34	(170)
Mn	0.12	0.52	0.17	2	0.0003 ?	0.0032	
Mo	<0.075	<0.48	<0.13	0.093	0.043	0.0004	(150)
N %	2.5	3	2.6	1 s	1 s	0.52 s	(130)
Na	1100	3200	1400	3400	2300	88	(30)
Nb		(<0.04 h)		0.014	0.3		
Ni	0.088	<0.5	0.14	<0.22	0.007	0.011	2.7
P	1300	70000	11000	1400	640	140	2.4
Pb	0.18	11	1.7	0.23	0.033	0.017	7.1
Rb	7.8	21	9.7	3.2	1.1		1.2
S	2000	1700	2000	680	570	140 s	(175)
Sb		0.2	0.03	0.025	0.0014	0.003	2.9
Se	0.22		0.11 h	0.15	0.035	0.013	(160)
Si			260		7	0.34 s	5.1
Sn	0.1	<1.2	0.24	0.14	0.02		1.6
Sr	0.055	32	4.6	0.62	0.17		3.7
Te	0.14						
Th		0.016 h	0.005 h		0.0001		6.8

	Total soft tissue (1)	Skeleton (1)	Reference man (1)	Average diet (2)	Urine (3)	Milk (4)	Residence time years(days)
Ti	0.15			0.58			
Tl				<0.0014			
U	0.00051	0.0059	0.0013	0.00071	0.0002		(330)
V	<0.3				0.00013		
W					0.005		
Y		(0.038 h)		0.012			
Zn	30	48	33	10	0.31	0.7	15
Zr	7 ?	(<0.05 h)		0.038			

Data sources: (1) Snyder et al. (1975), (2) Hamilton (1979), (3) Bowen (1982), (4) WHO/IAEA (1989), h: Hamilton (1979), s: Snyder et al. (1975). ?: questionable data. The parentheses in skeleton column represent data for bone. The residence time for carbon is calculated from the respiration rate of 270 g C/day for reference man.