

Table VIII-11: Sea-salts corrected compositions of Antarctic (Tuncel et al., 1989) and Arctic (Maenhaut and Cornille, 1989) atmospheres (pg/cubic meters), and logarithm of enrichment factors of excess elements (log Ex) normalized by Sc and average crust.

	Antarctic		Arctic		average crust	logEx(Antarctic)		logEx(Arctic)	
	winter	summer	winter	summer		winter	summer	winter	summer
Ag	0.51	0.86	16	10	0.08	3.68	3.55	3.30	4.04
Al	320	730	39000	19400	84000	0.27	0.28	0.56	1.29
As	11	11	970	99	1	3.92	3.56	3.99	3.94
Au	0.03	0.04	0.5	0.12	0.003	3.88	3.65	3.22	3.55
Ba	50	40	2500	1290	250	2.17	1.72	2.00	2.66
Br		580	6040	390	2.8		4.84	4.33	4.09
Ca	610	670	25000	8000	53000	0.88	0.51	0.57	1.09
Cd	50	110	119	150	0.1	5.57	5.56	4.08	5.12
Ce	0.65	0.88	90	19	33	1.14	0.90	1.42	1.70
Co	0.45	0.77	32	6.9	29	1.03	0.89	1.00	1.30
Cr	20	29	650	121	185	1.90	1.71	1.53	1.75
Cs	0.04	0.06	12.6	2.3	1	1.46	1.28	2.10	2.31
Cu	130	190	1090	200	75	3.11	2.93	2.16	2.37
Eu	0.007	0.02	0.89	0.9	1.1	0.58	0.70	0.85	1.85
Fe	280	660	27000	5000	71000	0.29	0.32	0.45	0.72
Hf	0.022	0.04			3	0.65	0.54		
I	130	260	1530	1930	0.5	5.29	5.24	4.49	5.53
In	0.17	0.33	2.3	2.7	0.05	3.41	3.34	2.66	3.68
K	485	430	34000	5000	9100	1.59	1.17	1.56	1.68
La	0.43	0.56	12.7	4.4	16	1.28	1.03	0.84	1.37
Mg	872	550	5100		32000	1.29	0.67	-0.23	
Mn	4.2	8.9	970	121	1400	0.10	0.05	0.77	0.82
Mo	4.8	4.3	200	50	1	3.56	3.16	3.30	3.64
Na	9872	3362	367680	50840	23000	2.51	1.68	2.20	2.29
Ni			1200	350	105			2.05	2.47
Pb			5600	700	8			3.85	3.89
Rb		2.4	144	80	32		1.38	1.64	2.34
S	7400	44000	1E+06	350000	770	3.86	4.28	4.11	4.60
Sb	3.1	3.7	120	12.6	0.2	4.07	3.79	3.78	3.74
Sc	0.04	0.09	3	0.34	30				
Se	4.8	8.4	290	166	0.05	4.86	4.75	4.76	5.47
Si			107000	20000	265000			0.48	0.75
Sm	0.05	0.05	3.4	0.55	3.5	0.99	0.58	0.94	1.11
Sr			640	220	260			1.37	1.87
Ta	0.02	0.03			1	1.15	0.95		
Th	0.06	0.11	3.2	1.2	3.5	1.07	0.98	0.91	1.47
Ti	160	290	820	400	5400	1.33	1.23		0.74
V	0.42	1.1	1680	260	230	-0.43	-0.23	1.86	1.99
W	0.87	0.95	8	4.1	1	2.81	2.50	1.90	2.56
Yb	0.04	0.05			2.2	1.10	0.82		
Zn	170	250	6100	1280	80	3.20	3.02	2.88	3.15