

Table S1 Results obtained in monitoring with the use of Continuous Particulate Monitor.

DATE	PM ₁₀ concentration [µg/m ³]	Mn [ng/m ³]	Fe [ng/m ³]	Cu [ng/m ³]	Zn [ng/m ³]	Pb [ng/m ³]
2020-02-07	20.00	2.12	63.67	0.55	23.77	9.89
2020-02-08	36.80	8.04	214.82	3.02	63.96	24.24
2020-02-09	23.60	2.02	48.98	0.46	19.35	11.56
2020-02-10	13.87	3.01	74.74	0.64	23.88	6.97
2020-02-11	14.50	4.80	61.50	0.63	23.81	4.44
2020-02-12	16.50	7.74	74.28	1.34	25.52	6.54
2020-02-13	16.28	2.53	53.22	0.49	19.35	7.34
2020-02-14	17.40	2.43	59.66	1.33	22.75	8.99
2020-02-15	20.39	2.20	32.70	0.78	15.12	6.69
2020-02-16	12.84	1.65	32.97	1.35	9.44	4.97
2020-02-17	25.68	3.38	85.93	2.29	23.92	7.86
2020-02-18	23.09	2.34	45.05	0.95	32.28	10.34
2020-02-19	13.50	1.90	26.31	0.64	15.75	5.53
2020-02-20	20.02	2.55	42.48	1.34	22.67	7.96
2020-02-21	21.60	2.33	37.38	0.44	27.25	12.46
2020-02-22	20.86	2.06	40.55	2.14	28.44	8.65
2020-02-23	10.71	2.75	29.85	0.36	14.98	5.55
2020-02-24	16.21	1.25	24.99	0.04	23.45	10.06
2020-02-25	13.38	3.02	49.69	0.25	18.73	7.47
2020-02-26	19.24	1.84	29.45	0.18	19.93	10.95
2020-02-27	25.19	2.27	31.51	0.60	28.30	6.83
2020-02-28	33.97	2.58	72.95	2.59	46.20	22.43
2020-02-29	14.90	2.31	49.20	0.35	25.75	7.72
2020-03-01	15.49	2.46	52.81	0.52	15.84	5.82
2020-03-02	21.03	3.69	75.83	0.67	26.43	10.08
2020-03-03	21.13	3.33	112.35	1.57	50.69	24.59
2020-03-04	30.23	3.79	105.61	1.12	36.37	10.55
2020-03-05	28.35	4.03	90.24	1.07	35.03	12.68
2020-03-06	20.02	3.22	55.93	0.93	27.30	12.14
2020-03-07	21.29	2.14	30.99	5.70	22.45	10.13
2020-03-08	22.29	2.99	61.78	0.92	24.68	11.30
2020-03-09	36.61	6.07	144.56	1.82	38.04	14.52
2020-03-10	22.28	3.27	93.16	0.82	23.69	8.07
2020-03-11	19.28	2.84	56.88	0.72	22.69	6.58
2020-03-12	11.19	2.55	69.13	0.37	11.11	3.94
2020-03-13	24.27	3.54	47.58	0.70	17.92	5.42
2020-03-14	10.47	1.66	35.73	0.42	10.25	4.15

2020-03-15	27.13	2.80	83.84	1.28	40.36	16.25
2020-03-16	19.54	4.74	111.53	0.79	16.01	7.29
2020-03-17	20.09	3.66	152.76	1.68	17.89	7.68
mean	20.53	3.10	66.56	1.10	25.28	9.67
SD	±6.48	±1.46	±39.10	±1.00	±10.99	±4.95
minimum	10.47	1.25	24.99	0.04	9.44	3.94
maximum	36.80	8.04	214.82	5.70	63.96	24.59

Table S2 Results obtained in monitoring with the use of spider webs.

	Cu [µg/g]	Zn [µg/g]	Pb [µg/g]	Mn [µg/g]	Fe [µg/g]
1	65	433	435	338	5035
2	144	397	1562	301	1805
3	266	687	2245	545	2752
4	88	217	186	677	7449
5	48	266	876	432	4481
6	86	394	1113	469	24191
7	136	355	818	292	5294
8	60	229	173	168	7037
9	64	380	303	301	6312
10	25	212	259	1418	10333
Q1	60	229	259	301	4481
Median					
(Q2)	76	368	627	385	5803
Q3	136	397	1113	545	7449
Minimum	25	212	173	168	1805
Maximum	266	687	2245	1418	24191

Table S3 Comparison of measured and certified concentrations in BCR-482 lichen [1].

Metal	BCR-482 lichen		AAS		
	Concentration	± Measurement	Average	±SD *	Dev. **
		uncertainty [mg/kg d.m.]			[%]
Mn	33.0	0.5	31.7	0.68	-3.9
Fe	804	160	771	154	-4.1
Ni	2.47	0.07	2.16	0.32	-13
Cu	7.03	0.19	6.63	0.17	-5.7
Zn	100.6	2.2	95.1	2.3	-5.5

Cd	0.56	0.02	0.53	0.03	-5.3
Pb	40.9	1.4	38.2	1.0	-6.6

* Standard deviation

** Relative difference between the measured (c_z) and certified (c_c) concentration $100\% \cdot (c_z - c_c)/c_c$

[1] Świsłowski, P., Kosior, G., & Rajfur, M. (2021). The influence of preparation methodology on the concentrations of heavy metals in *Pleurozium schreberi* moss samples prior to use in active biomonitoring studies. *Environmental Science and Pollution Research*, 28, 10068–10076. <https://doi.org/10.1007/s11356-020-11484-7>