Correction to: An Overview of Priority Pollutants in Selected Coal Mine Discharges in Europe

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Published online: 24 May 2019
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Correction to:
Mine Water and the Environment (2019) 38:16–23
<https://doi.org/10.1007/s10230-018-0547-8>

Correct values for radium have been rewritten in Table 1 and Table 2. Correct radium units in Figure 2(c) are Bq/L (Becquerel per liter). The same applies to discussion about radium in the text (page 21).

Correct chloride values have been rewritten in Table 1 and Table 2. The data from Germany were not correct.

The original article can be found online at <https://doi.org/10.1007/s10230-018-0547-8>.

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Table 1 Global statistics of priority pollutants. EQS (Environmental Quality Standards) are EQS-AA (Annual Average) for all trace elements but PNEC (predicted no effect concentrations) for As and Cr (under European Directive 2013/39/UE). *No.* number of samples

	pH	Major ions (mg/L)				Minor ions (mg/L)				Trace elements (µg/L)								
		Ca	Mg	Cl	SO ₄	Fe	Mn	B	Ba	As	Cd	Cr	Pb	Ni	Zn	Hg	Se	(Bq/L)
No.	2583	2470	2419	2972	2848	2538	2507	1977	1637	245	1269	846	1702	1758	1348	236	30	91
Min.	6.0	1	1	1	0	0.01	0.01	0.01	0.01	bdl	bdl	bdl	bdl	bdl	bdl	0.1	0.3	0.01
Max.	8.9	5070	1320	71400	4680	330	77.0	13.0	5800	900	130	155	2280	421	25000	2.5	10	7.30
Ave.	6.5	384	169	2756	713	20.9	3.69	0.96	9.77	18.6	4.5	8.3	54.2	37.4	440	0.3	3.5	1.19
EQS	6-9									4.2	*	3.4	1.2	4.0	7.8	0.05		

*Depending on water hardness: from < 0.08 µg/L if hardness (as CaCO₃) < 40 mg/L to 0.25 µg/L if hardness ≥ 200 mg/L; *bdl* below detection limit

Table 2 Statistics of priority pollutants by country; Number (No.) represents the number of water samples analysed in the mines referenced in each country; “bdl” is below detection limit

Country		Major ions (mg/L)				Minor ions (mg/L)				Trace elements (µg/L)								
		Ca	Mg	Cl	SO ₄	Fe	Mn	B	Ba	As	Cd	Cr	Pb	Ni	Zn	Hg	Se	(Bq/L)
Greece	No.	60	60	60	60	60	60	0	0	60	60	60	60	60	60	60	10	0
	Min.	44	15	6	0	0.03	0.01			0.2	0.2	1.7	4.0	5.0	0.5	bdl	10.0	
	Max.	184	49	78	467	1.21	0.10			3.2	1.3	28.0	12.0	24.0	40.0	bdl	10.0	
	Ave.	94	28	16	144	0.18	0.03			1.1	1.0	3.9	5.1	8.7	6.8	bdl	10.0	
Spain	No.	67	67	0	65	65	63	40	0	40	40	40	40	40	0	40	20	0
	Min.	46	8		24	0.01	0.01	0.01		0.3	0.1	0.3	0.3	bdl		bdl	0.3	
	Max.	319	100		1747	9.05	0.92	0.19		9.4	0.1	0.6	4.8	2.9		bdl	0.4	
	Ave.	129	53		416	1.87	0.26	0.07		0.6	0.1	0.3	0.4	1.4		bdl	0.3	
Poland	No.	231	231	606	606	243	213	21	44	0	198	198	200	199	201	15	0	10
	Min.	1	21	41	119	0.01	0.01	2.23	0.12	bdl	bdl	0.6	0.4	0.3	0.3	0.1		0.060
	Max.	1062	707	36072	2868	39.0	8.27	4.25	7.70	bdl	130	155	560	421	17800	2.5		0.244
	Ave.	263	162	7579	783	3.59	1.30	3.19	5.06	bdl	9.3	18.9	60.8	43.3	287	2.3		0.160
United Kingdom	No.	1427	1378	1427	1225	1313	1427	1340	986	53	385	0	848	900	484	0	0	0
	Min.	1	1	6	3	bdl	0.03	0.01	0.01	1.0	0.3	bdl	1.0	10.0	5.0			
	Max.	1920	1180	29100	4680	91.5	77.0	7.36	0.06	900	2.6	bdl	2280	260	7840			
	Ave.	247	129	2296	944	34.2	5.58	0.73	0.03	21.9	7.3	bdl	85.5	53.1	40.4			
Germany	No.	601	601	795	792	758	650	571	604	41	557	522	531	531	572	104	0	81
	Min.	3	7	61	3	0.01	0.01	0.23	0.03	1.0	0.1	2.0	0.5	2.5	5.0	0.1		0.010
	Max.	5070	1320	7	1890	330	28.0	13.0	580	10.0	40.0	130	1000	240	25000	0.6		7.30
	Ave.	841	291	12597	353	7.97	1.19	1.51	26.1	5.0	1.7	5.3	13.7	16.0	899	0.2		1.32
France	No.	84	82	84	100	99	94	5	3	51	29	26	23	28	31	17	0	0
	Min.	30	3	1	159	0.05	0.02	0.18	0.06	2.5	0.3	0.3	bdl	1.9	0.2	0.1		
	Max.	472	453	278	3010	43.8	9.11	1.01	0.11	347	25.0	57.2	50.0	32.0	500	1.0		
	Ave.	195	156	64	839	10.5	2.50	0.52	0.09	60.5	4.2	10.2	4.9	10.5	42.3	0.3		

bdl below detection limit