

## Heavy metals in precipitation 2017 - % deviation from expected value

Lab no	Arsenic				Cadmium				Chromium				Copper				Lead				Nickel				Zinc				
	% deviation from expected				% deviation from expected				% deviation from expected				% deviation from expected				% deviation from expected				% deviation from expected								
	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	H1	H2	H3	H4	
3	13	17	15	12	1	3	9	11	-9	-9	-5	-6	-6	-4	-4	-2	-6	-8	-5	-5	0	-1	3	2	18	19	20	18	
4	-3	-2	-4	-5	-12	-11	-8	-9	8	11	9	7	16	18	16	15	-8	-8	-9	-9	1	4	-1	-1					
5	-8	-7	-7	-7	-6	-2	-1	-1	-6	-4	-3	-3	-5	-2	-3	-3	0	1	1	0	-5	-5	-4	-4	-4	-4	-3	-3	
7	1	1	1	1	-8	-5	5	3	-7	-6	-8	-6	-8	1	-4	-3	-11	-10	3	4	-13	-8	-7	-6	18	16	6	5	
8	-4	-3	-5	-5	-3	-5	-3	-3	-6	-5	-3	-3	-1	-1	0	0	-4	-3	-3	-4	-3	-4	-3	-3	0	6	1	1	
10																	-13	6	13	10									
15	0	0	-8	-9	0	0	0	0	-9	-6	-3	-3	0	0	-3	-3	-6	-9	-2	0	-8	-11	-4	-5	-8	-6	-9	-5	
16					-6	-5	0	0	-5	-7	-3	-3	0	0	-4	-3	0	-9	-4	-4	-8	-11	-3	-2	-4	-6	-4	-6	
20	6	3	3	1	4	7	5	4	-7	-9	-7	-7	-4	-6	-5	-6	-5	-5	-4	-5	-8	-10	-5	-7	10	9	6	4	
22					6	0	0	-8									25	-12	-9	-10									
31	7	-4	3	6	-3	-5	-4	-1	-5	-14	-2	1	-1	-4	-3	1	-2	-4	-6	-4	0	-3	-2	1	-4	3	-3	0	
32	-92	-90	-89	-89	0	10	-13	-10	-15	-7	-10	-12	-9	2	-7	-7	-10	36	-10	-12	-12	13	-12	-13	-90	-89	-90	-91	
33	-11	0	6	0	11	0	0	0	-5	-7	-4	-4	0	-5	-2	0	0	0	2	0	8	24	2	-2	-8	1	-8	-9	
34	-91	-8	-11	-10	-91	-6	-9	-14	-7	-3	-9	-10	-15	-22	-15	-16	-14	-13	-8	-12	-8	-5	-12	-12	-15	-14	-18	-19	
36	-3	-4	-5	-3	-6	-6	-3	-2	-5	-3	-3	-2	-3	-50	-3	-2	-5	-5	-5	-3	-5	-4	-2	-1	-7	-7	-6	-6	
38	-3	-7	-10	-12	-11	-10	-9	-9	-22	-14	-12	-13	-12	-50	-10	-10	-14	-14	-6	-9	-13	-12	-10	-12	-48	3	-3	-3	
39	0	0	0	-5	-8	0	-7	-8	-9	0	0	0	0	0	0	0	0	0	-2	0	-8	-11	-5	0	-2	-1	-4	-2	
41	11	8	12	12	12	14	6	5	4	-1	3	2	4	-1	-1	-1	-4	-8	-3	-4	-2	-1	0	-1	1	-4	9	8	
48	-9	-3	1	0	-9	-3	-4	-6	-17	-13	-12	-12	-16	-11	-10	-12	-12	-9	0	-1	-19	-15	-10	-11	-3	1	3	1	
51	8	1	-3	-3	30	16	-3	10	9	-14	-11	-1	23	0	-7	4	21	-7	-6	0	27	-3	-7	0	-8	-1	-15	-17	
110	-6	0	-4	-8	-19	-15	-3	-6	-1	0	1	0	-2	0	0	-3	-9	-9	-6	-6	0	0	-1	-2	-7	-6	1	2	
112					-3	-5	-5	-5	-5	-6	-4	-4	-11	-14	-7	-7	-13	15	-5	-4	-21	-30	-3	-2	-5	-4	-5	-5	
114	-22	14	30	32	11	0	7	8	9	14	6	6	15	20	-9	-8	-13	-27	9	12	0	0	5	7	3	2	1	2	
115	9	10	11	11	12	13	10	11	-21	-32	-4	-2	-1	-1	-1	1	-2	-1	0	0	-7	-9	-2	1	0	2	1	2	
117					-11	-9	-1	0	-7	-7	15	8	-7	-7	-5	-6	-6	-19	-3	0	0	0	0	0	0	28	37	7	7
118			-81	-86	-33	-20	5	-32	73	29	4	3	138	30	3	4	11	11	5	4	100	78	5	4	8	11	0	-2	
120	2	7	2	0	-2	0	-2	0	-2	-9	-16	2	1	-4	-8	4	4	1	0	-1	2	0	4	-4	-5	1	1	1	
121	-3	-1	-5	-5	16	-1	-1	-5	-9	-1	1	0	1	20	-3	-3	-1	-3	-4	-6	-4	-3	-3	-4	3	6	-1	-2	
124																													0
125	7	6	8	5	6	4	5	2	1	-1	3	-2	8	8	6	2	51	-18	-59	-59	-34	19	159	142	13	13	16	13	
129	233	145	53	16	-22	0	-12	1	-11	-20	-14	-23	-4	9	-15	-3	-5	18	-7	-13	-14	-10	-14	-19	-21	-15	-13	-19	
132																													
141					-22	-13	-4	-3																					
145	-7	-4	-6	-5	-8	-4	-5	-5	-4	-4	-3	-3	-7	-9	-7	-7	-6	-5	-5	-5	-8	-5	-6	-6	-9	-10	-7	-8	
146	-6	-9	-8	-9	-4	-2	-5	-4	-7	-7	-5	-6	-6	-4	0	-1	-5	-5	-5	-5	-6	-3	-3	-3	-5	-3	-5	-5	
166					3	1																							
169	-6	-8	-9	-8	-3	-3	-3	-4	-2	-7	-2	0	-5	-5	-6	-3	-2	-5	-4	-4	-6	-5	-5	-4	-1	1	-4	-4	
171	-1	0	-8	-10	-4	-3	-9	-10	-10	-9	-6	-7	-7	-6	-7	-7	-10	-9	-9	-11	-8	-7	-7	-8	4	7	-7	-8	
175	12	31	5	26	0	-5	-2	-4	27	14	11	12	-8	-10	-3	-4	-13	-23	3	3	-8	2	-7	-5	50	56	5	-1	
178	-1	3	18	16	-11	0	14	12	-1	4	2	2	2	0	19	20	-4	-4	-1	-2	-1	-1	5	4	-3	-1	11	12	
179	4	1	-15	-2	-22	-20	-32	-24	-32	-33	-23	-16	19	-3	-4	-10	25	-18	13	10	-8	-16	1	2	-2	0	2	3	
181	-4	6	-1	-5	-10	-18	7	0	-9	-6	-4	-3	0	-3	1	0	0	0	2	0	0	3	-1	0	0	1	1	0	
184																													
185																													
187	2	2	0	0	-2	-10	4	2	-90	8	4	1	-5	9	-1	0	-6	-7	-4	-5	2	5	2	2	2	4	3	3	
189																													
193	0	-1	-3	-3	-1	-9	1	-1	3	6	2	1	-1	1	-3	-3		-5	-4	-4					1	3	-1	0	
194																													
196																													
198																													
203																													
204																													
205	7	9	1	0	7	10	3	2	-1	0	-2	-4	-5	-6	0	0	-13	-12	-8	-8	8	9	2	0	25	11	4	-6	

between ± 25 and 50%  
 more than ±50%  
 for low theoretical values of Pb, Ni, Cr and As (< 1 µg/l), Cd < 0.5 µg/l, Zn < 10 µg/l, Cu < 2 g/l

between ± 15 and 30%  
 more than ±30%  
 for high theoretical values of Pb, Ni, Cr and As (> 1 µg/l), Cd > 0.5 µg/l, Zn > 10 µg/l, Cu > 2 g/l