



Heavy metals in precipitation 2018 - % 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	-56	-1	5	2	-6	0	17	11	-31	-22	-15	-14	-5	-4	-4	-2	-11	-11	-11	-11	-8	-8	-8	-6	19	22	25	22
4	50	23	18	17	0	11	-8	-7	35	30	23	21	21	19	21	17	-2	-2	-4	-3	8	9	5	6				
5	0	3	2	1	0	0	2	1	-4	-3	0	0	1	2	1	1	0	0	-1	0	-2	-1	2	1	2	4	3	3
6			10	10	6	18	13	-3				-50	0	-2	-1	-2	-16	-15	-10	-8	-25	-24	-17	-15	47	41	43	41
7						11	0	0					-4	-2	-3	-3		4	1	2			-3	-3	6	6	7	6
8	-6	-5	-5	-7	-5	-3	-4	-4	-7	-5	-6	-4	-5	-4	-4	-2	-2	-2	-3	-2	-7	-5	-6	-4	-1	0	0	1
10						-58	-33	-36					1	-17	-7	-8												
15	0	0	0	-3	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	4
16					0	0	0	0	-12	-7	-7	-5	-10	-2	-9	-13	-2	0	0	0	-15	-14	-14	-9	0	0	0	0
20	20	9	8	5	3	2	2	0	2	2	2	2	4	3	3	3	2	1	0	1	-2	-2	0	-2	1	0	0	4
24								0																				
31	-10	-4	3	-3	-77	-51	-38	-34	-100	-13	-8	-10	-36	-19	-19	-16	-28	-8	-10	-9	-42	-19	-17	-18	-35	-17	-14	-11
32																												
33			-50	-23	43	33	17	14	0	-13	-7	-10	-14	-22	-5	-17	33	18	38	22					8	0	6	0
34	34	-3	-7	-1	20	-11	-14	-11	28	-10	-9	-10	8	8	12	4	-9	-10	-13	-12	841	1424	-10	-18	-11	-11	-16	-15
36				-50				4							-1	0	24	15	10	8				-50	-5	-4	-1	-1
38	-10	-7	-10	-10	-43	-33	-33	-29							-55	-58	-27	-25	-20	-23	-15	-54	-37	-35	3	-7	-11	-5
39					-14	-11	0	0	0	0	0	0	-14	-11	-9	-8	-11	-9	0	0					0	0	0	0
41	-50	-11	-21	6							153		-9	-7	-2	-2	4	-1	3	138				-50	-64	-32		
48	3	5	7	2	-3	-2	3	-9	-100	-79	-41	-37	-33	-24	-22	-25	-7	-3	-5	-6	-40	-32	-23	-27	0	4	5	-1
51			0	0									0	-11	-9	-8	-11	-9	0	0				-50	-17	-17	-14	-16
52	10	7	10	7	-9	-2	-3	-1									-7	-4	-4	-2	-18	-16	-11	-11				
110	0	-13	5	0	0	-11	-7	-1	120	67	23	13	-7	-2	-2	-5	0	-2	-3	-2	3	4	-3	-4	-3	-9	-5	-7
112					3	7	5	4	-8	-4	-3	-4	2	2	2	67	0	0	0	0	-18	-15	-11	-9	17	17	21	28
114		567	400	400	0			0	0	-33	0	0	0	0	0	17	11	64	38	33	-25	-20	-14	-13	-18	-13	-19	-13
115	11	6	22	14	9	9	10	9	4	-1	1	0	0	-2	-1	2	-2	-3	-3	-1	2	-3	-4	-1	12	2	2	2
117					-40	-33	-32	24				8	-27	-26	-16	-7	29	29	23	57					28	39	16	14
118	2700	1767	1400	733	-31	-22	-17	-13	1800	900	467	375	71	22	18	8	0	0	-3	1					10	11	5	2
120	7	3	8	10	-11	-11	5	16	20	17	5	5	-5	-6	-6	-3	0	0	-2	0	-1	-4	9	1	-7	0	3	1
121			-50	-3				-13				1	-1	-2	0	-1	-1	-2	-3	-1	15	0	-6	1	-5	-5	-6	-6
125	7	33	20	26	0	0	-2	-1			4	-3	-53	-48	-35	-34	-2	-5	-3	-4	-1	-5	-3	-3	-5	-4	2	2
132																									6	-8	1	-7
141					-23	-18	-3	-3																				
145	3	0	-2	0	11	-2	11	6							10	10	-1	0	-2	1	17	9	10	13	-4	-3	-5	-2
146				-8	6	-2	-5	4	-50	-1	1	-1	-1	0	-1	2	4	2	-1	0	-2	0	-4	1	-3	2	1	3
166																									8	7	10	12
169	51	35	30	8	-7	-2	-3	-6	44	29	17	-4	-4	-5	-5	-3	-3	-3	-5	-3	-8	-9	-8	-6	2	2	1	4
171	-3	-1	1	1	-6	-2	-3	-1	-7	-5	-5	-4	-8	-7	-8	-7	-4	-3	-5	-4	-3	-2	-2	-3	3	6	5	10
174					-37	-42	-40	-37					41	-41	-42	-44	-16	-13	-14	-11								
178	0	33	0	0	14	11	0	14	300	233	100	75	14	0	0	0	11	9	0	0	0	0	0	0	5	6	6	6
179	60	-13	65	57	-23	-7	8	4	10	33	-7	-15	-14	-14	-9	-7	13	2	-3	0	8	4	-6	0	-11	-12	-16	-14
181	-10	7	0	0	-14	11	0	0	0	0	-7	-3	1	-2	-3	-5	-2	-2	-3	-1	-3	0	3	-9	15	4	-1	4
184																												
185																												
186					-14	60	-30	-6									-9	-10	-13	-10					-11	-17	-13	-10
187	7	-1	-35	-27	3	47	-20	3	-20	-3	-8	-19	13	-5	5	-3	-7	-12	-11	-9	-13	1	-8	-12	-10	-18	-14	-10
189																												
198																												
203																												

 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