





Heavy metals in precipitation 2021 - % deviation from expected value

Lab no	Arsenic % deviation from expected				Cadmium % deviation from expected				Chromium % deviation from expected				Copper % deviation from expected				Lead % deviation from expected				Nickel % deviation from expected				Zinc % 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	-7	47	10	23	0			6	-13	-22	-13	-9	-6	-7	-9	-6	-4	-11	-4	-1	0	-9	-5	-8	-4	-14	-4	-4	
4	-4	-8	-3	-1					15	13	11	12	17	12	23	19	-7	-14	-8	-7	13	6	11	10	28	15	21	16	
5	6	1	3	5	-4	-7	3	8	1	-7	1	-1	-1	-6	2	1	1	-5	2	6	0	-6	1	-3	4	-5	2	0	
6	11		4	7									-5	-10		-6	-3	-15	-8				-4						
7	-1	-14	-12	0	8	-4	1	5	6	1	4	7	4	-5	2	5	2	-2	0	8	-3	-1	3	3	1	-6	-3	4	
8	4	-4	2	5	0	-5	0	6	1	-7	1	-1	1	-7	-1	2	3	-5	4	8	1	-6	-1	-1	14	-7	1	14	
10																													
15	-2	-10	-7	-5	0	-5	-5	6	2	-3	-3	0	-1	-9	-4	-3	2	-3	6	8	1	-8	0	-3	12	3	7	7	
16					-7	-18	-5	1	-3	-11	-4	-10	-28	-36	-31	-31	-1	-9	10	3	-6	-7	8	-8	5	7	0	-2	
20	12	5	11	10	12	0	14	17	5	-2	6	6	-1	-7	-2	-1	2	-10	-3	2	8	5	7	7	21	7	21	19	
22					-26	-25	-41	-33					-89	-85	-96	-83	-90	-32	-58	-67									
31	21	228	-8	35	85	-20	45	-39	14	7	-27	0	-2	-19	-34	-18	2	79	195	14	82	43	12	64	82	14	27	24	
32	66	83	24	5	897	30	-5	6	14	-1	0	0	27	17	33	19	38	7	8	10	25	10	3	1	29	12	20	20	
33	3	6	0	-4	21	30	27	14	0	-5	-5	-11	-4	-11	4	-7	-13	-15	-10	-11	5	0	-2	-2	8	0	4	-5	
34	4	-1	2	4	6	5	5	14	2	-4	2	6	-37	-45	-81	-48	7	4	6	-49	-20	-25	6524	-14	-13	-43	-27	-59	
35	4	2	4	8	12	0	9	14									-4	-8	-2	3	2	-2	0	3					
36	-1	-7	-2	-1	3	0	5	11				-1	1	-7	0	2	-2	-8	10	2			-1	1	-1	-7	15	-4	
38	-3	-11	2	-4	-35	-50	-55	-3					-10	-10	-2	2	-44	-34	-23	-30	-20	-23	-6	-14	-20	-23	-35	-14	
39	-11	-4	-23	4	18	40	9	39	-5	3	4	3	4	-15	-7	-19	4	-15	11	11	-31	-63	-7	-17	63	65	35	15	
41	8	3	2	4									2	-2		2	-1	-5	1	2					-27	-38	-27	8	
47	-3	-13	-6	-3	-15	-45	-50	-14	0	-4	2	8	-19	-21	-34	-17	-14	-29	-23	-7	-3	-3	-3	-1	4	-7	1	-1	
48	1	3	2	2	6	0	5	8	-2	-8	-2	1	2	1	9	3	5	0	8	9	13	8	3	12	1	-12	-3	2	
49	44	32	41	42	3	-30	-14	8	-13	-22	-13	-10	4	-1	-4	2	-39	-69	-62	-26	-89	-97	-55	-63	79	62	71	73	
51	-2	-11	-5	-4	21	10	18	25					-3	-9			8	2	8	10	3	-3	0	-2	-2	-11	-9	-3	
110	-5	-17	-7	-2	-15	-40	-27	-11	2	-3	1	0	-8	-18	-7	-15	-3	-12	-6	6	4	-1	9	3	-13	-23	-9	-19	
112					11	3	5	14	-1	-7	-2	-1	5	-2	3	4	2	-7	1	7	-4	-12	-4	-5	29	15	22	29	
114									14	105	4	39																	
117													-8	-16	-14	-3	-3	-20	-11	-3		16	67		11	-1	2	7	
145	-3	10	11	12	1	-13	0	3	-4	-10	-3	-1	5	-2	6	3	-7	-12	-8	-1	3	-6	4	1	0	-8	-6	-4	
146	3		2	3	0		18	14	6	1	3	4	2	-4	-1	1	1	-6	11	4	13	-6	0	7	6	-3	19	3	
166																										6	-6	-1	1
171	-9	-13	-9	-8	-6	-20	0	-3	-5	-10	-6	-3	-3	-9	-2	-2	-4	-11	-3	-1	-3	-9	-3	3	3	-12	6	-9	
178	1	-4	3	6	-9	0	0	-6	8	6	9	6	-1	-11	16	3	0	-3	1	4	-5	0	-5	-3	9	-4	6	4	
179																													
181	1	-10	2	-90	9	-10	-9	8	-2	-8	1	6	-5	-8	2	1	1	-3	3	7	-10	6	2	6	-16	-24	-15	-11	
183	12	-1	40	-7	-3	333		0	9	17	-24	1	3	-4	-22	-4	-10	86		-20	-7	-12	-16	-9	13	5	4	0	
185																													
193	19	28	-7	19				11				11	4	20	23	11										11	32	11	10
198																													
203					29	285	41	31					51	24	261	7													

 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 (> 1 µg/l)