

Heavy metals in precipitation 2016 - % 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	H1	H2	H3	H4
3	19	12	12	12	13	24	16	17	-3	-3	-2	-2	7	4	3	2	2	4	4	4	5	8	6	6	30	29	31	30				
4			-9	-9			-13	-13			0	-1			-7	-5			6	0			-12	-7								
5	1	-2	-2	-3	-1	1	1	-1	1	-1	-1	-2	2	0	-1	-3	0	0	0	-1	4	2	-1	-3	2	0	-1	-2				
8	1	-1	-2	-2	3	2	-1	0	0	-2	-2	-2	10	2	1	0	1	0	-1	-1	2	5	-1	-2	4	3	3	3				
10					43		-15	-13									29	25	6	2												
13	0	-1	-4	-6	-11	-10	-4	-9	2	0	0	-2	3	0	-1	-3	0	1	1	-1	0	0	0	-2	5	0	-3	7				
15	0	6	0	0	0	0	0	9	8	11	0	3	6	9	-5	-5	0	0	3	2	10	9	1	0	-5	-7	2	4				
16					11	10	5	5	0	0	0	0	6	0	-5	0	0	0	0	0	0	9	0	0	0	0	0	0	0			
20	6	7	1	2	9	11	3	4	-3	-1	3	2	-2	0	-2	-4	-4	-1	-3	-3	5	1	2	1	10	11	-3	-6				
22					-39	-31	-16	-15					-44	-43	-17	-17	-11	-16	19	23												
24		41	0	5	44	20	6	11	-50	-67	-9	-7		0	3	6	23	22	6	5			-3	-5	-100	-100	3	0				
31	-1	-1	0	-1	-6	-7	-7	-7	-2	-3	-1	-2	-7	3	-6	-6	-5	-11	0	0	15	10	-1	-2	-4	1	-3	-3				
33	-17	-6	0	-5	-22	-10	0	0	0	0	0	3	25	-9	5	9	0	6	11	5	-55	-59	-1	-4	5	0	0	-1				
36	2	1	1	1	0	1	1	1	-6	-5	-4	-5	0	0	1	2	2	2	2	2	8	46	1	2	-2	0	-1	0				
38	-2	7	-2	3	-11	-10	-1	1	-13	-3	-4	0		-55	-12	-6	-12	-21	2	4	-8	-1	-4	1	0	4	1	1				
39	-17	6	0	-5	0	10	10	18	0	0	8	6	13	9	2	0	-8	11	0	5	0	9	0	0	5	0	1	0				
41	20	2	-2	-4	3	31	-12	-13	14	7	6	5	36	14	5	4	-3	-4	-6	-6	21	16	5	7	113	18	0	-3				
48	13	10	4	15	3	5	7	22	0	0	-2	10	14	4	-1	9	12	7	0	0	1	-1	0	10	11	10	5	17				
110	-2	-5	0	5	0	0	-3	-4	3	2	2	3	11	8	4	3	1	6	1	-3	3	11	3	4	-5	-11	-9	-10				
112					8	4	-1	-1	4	5	4	2	-27	-21	-1	-2	5	-100	-1	-1	10	-3	4	3	0	1	0	0				
114	283	182	23	19	11	0	0	0	0	-11	0	1	13	0	-2	-3	-8	-11	2	2	0	0	3	3	-5	-3	-1	-2				
115	9	10	8	8	7	7	6	5	-5	-5	-4	-3	-3	-1	-2	-3	-6	-5	-6	-7	2	-3	-3	-3	17	18	20	19				
117					-7	-5	7	5	-84	-82	-99	-99	-14	-12	-10	-9	-12	-14	0	-1	-43	-25	-91	-93	-90	-93	-99	-99				
118			-3	-1	-11	-20	3	2	167	100	12	11			-7	-5	115	133	2	4	0	0	0	-2	0	-5	-3	-1				
120	4	2	-2	-1	2	-2	-2	2	-4	-2	-2	-1	11	6	3	1	0	4	1	0	-3	-1	1	-1	0	-1	-1	-1				
121	-6	-4	-4	-4	-1	7	7	2	5	4	3	4	-9	-5	0	0	-1	-3	-2	-4	6	1	1	-2	3	1	1	0				
124							-25	9							-3	-8							-5	-3	-32	-21	0	2				
125	12	11	10	8	4	6	4	4	1	0	2	1	20	17	6	5	2	4	4	4	3	3	5	4	28	28	23	24				
129	202	85	15	10	3	-18	-7	-10	1	44	14	11	41	614	-5	-3	1	23	-2	-4	-30	-33	-13	-13	25	70	13	12				
132			-20	-5	-2	-4	-2	2	1	-2	-4	2	1	0	13						-75	-77	-6	0	-3	-3	0	1				
141					-4	-2	2	1																								
145	-3	-3	-3	-4	1	0	-2	-2	-6	-6	-4	-4	86	235	6	5	-4	-2	-3	-3	9	5	2	1	-4	-5	-1	-6				
146	3	-8	-6	-3	-4	-2	-4	0	0	5	0	0	0	-8	-3	-2	-3	-2	-5	3	0	-4	-3	0	2	2	1	0				
166							2	4											1	2					-4	-2	3	3				
169	-1	-1	-4	-4	-1	0	-3	0	2	6	-1	-1	-1	-3	-6	-5	-4	-3	-4	-3	10	2	-4	-3	6	7	5	7				
171	26	23	20	25	11	15	18	19	-4	-6	-1	-1	6	2	6	5	2	2	4	6	10	12	4	4	37	46	43	41				
178	35	33	-3	1	0	0	1	-3	3	3	4	1	4	5	4	0	2	3	3	2	6	5	5	0	1	1	1	-1				
179	0	15	-11	-4	12	8	-5	5	8	4	-14	-11	5	2	-6	-7	1	0	11	10	-7	2	-7	-2	3	-3	-3	-3				
181	3	6	3	1	0	-10	0	0	0	0	3	3	13	0	5	0	8	0	5	0	0	9	2	0	5	0	2	4				
184			1	-3			-1	5															3	0				-1	-1			
185	23	24	2	9											24	27							17	23			90	20	-5	-10		
186																													0	-11		
187	102	94	-27	-24	23	50	-16	-11	300	78	38	26	188	600	30	0	54	67	31	41	225	227	59	64	14	13	5	6				
189			-1	-2			-1	-6			-2	-1											4	-4				-2	0			
193			1	1	-12	10	5	5	3	2	0	0	0	0	-6	-5	-6		-7	-8			1	2	6	6	3	5				
194			-1	-2			1	-5	-2	3	3	4											-1	-2	-5	-4	-1	0				
198			1	-3																								0	-5			
203	42	32	-2	-3			8	13				31	18				9		18	-20			656	333	100	20	13	0				
204																													871	680	953	708

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