

Heavy metals in precipitation 2014 - % 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	3	6	4	3	7	15	11	16	-6	-8	-4	-11	0	-1	3	0	-4	-4	-3	-3	-1	-1	1	-2	18	20	19	19
4	-9		-7	-50	-14		-6		1		-2		-7		-10		0		1		7		14					
5	2	1	1	1	3	2	2	3	2	2	1	2	4	5	3	3	1	1	1	1	4	5	2	3	4	4	2	2
6	1	4	4	3	-1	-10	-1	-11	-11	-14	-11	-20	-7	-15	-7	-17	-7	-11	-8	-13	-9	-15	-7	-10	2	19	0	19
8	0	2	1	0	2	3	2	1	-5	-6	-5	-7	-2	10	0	1	-3	-2	-3	-3	-4	-2	-3	-4	3	11	4	6
10					-1	-10	-4	-17					6	-9	12	-51												
13	-13	-38	-13	-26	-13	-10	-92	-11	-11	-10	-10	-10	-7	-12	-6	-11	-8	-10	-8	-13	-6	0	-5	-2	-1	-6	1	-12
15	-5	0	-2	0	-4	0	-2	0	-5	0	-4	0	-2	0	-2	0	0	0	0	-44	0	3	0	0	-5	0	-5	2
16					0	-5	0	-6	-1	-11	-2	0	-5	-6	8	-10	-4	-5	3	0	-6	-6	0	-14	-4	-10	-4	-11
20	3	1	7	5	4	2	8	6	-6	-5	-2	-4	-5	-3	-1	-1	-2	-1	2	2	-6	-5	-1	-3	4	9	4	-11
24	6		13	-13					-24		-22		-12		-14	-50					4		-96	-55				
31	-7	-4	-7	-5	-10	-10	-10	-22	0	7	2	3	-6	-15	-6	-15	-10	-6	-5	-13	0	26	-3	21	-4	10	-4	12
33	0	-6	0	-20	0	-30	-28	-11	-6	11	0	17	0	-6	-4	-10	-8	0	-3	0	0	13	-13	0	0	0	-11	11
34	4	2	6	3	10	10	9	10	12	11	13	10	12	-3	11	-1	8	6	8	4	8	-2	10	4	5	15	4	10
36	-2	0	-2	0	-3	1	-2	13	-1	-2	-3	-3	-2	-8	-3	-6	-7	-7	-8	-5	-2	-4	-3	-3	-5	-2	-4	-2
38	-2	6	-4	5	-4	0	0	0	-4	-6	-6	-3	0	86	-1	38	-6	-1	-1	-7	-9	-31	-8	-18	-4	-3	-5	-3
39	0	-13	0	-13	0	-20	0	-11	0	-11	0	0	0	-6	4	-10	4	0	3	0	0	13	0	-9	0			
48	1		4	7	-4		3		-1		1		2		5		2	2	1		-1		2		0	27	3	41
110	-6	-13	-3	-12	-10	-50	-6		-1	-2	1	-10	-1	7	2	0	3	10	7	1	1	6	4	-2	-5	0	-3	-4
112					-4	0	-3	0	-1	3	0	10	-2	196	-1	0	-2	-12	-1	-9	0	4	2	5	1	14	2	3
113	-1		3		-10		-9		7	-8	7	10	-37		-47		21	137	27		4	4	4		3	8	6	11
114	-6	-38	-3	-53	0	0	0	11	0	0	2	0	-10	-6	-8	0	0	-10	3	11	0	0	3	9	-3	-5	0	2
117					-11	-31	-17	-30	-20	-46	-14	-58	3	-27	3	-23	-11	-16	-10	-19	3	-4	9	-11	-2	21	-3	17
118	-11	13	-14	0	-7	-20	-8	-22	-6	0	-4	0	-8	-18	-10	-20	-6	-55	-6		-9	-25	-10	-18	-11	-18	-11	-21
120	0	-4	-2	1	0	16	4	-4	2	2	0	5	4	5	3	4	2	2	2	3	4	2	4	4	1	3	0	2
121	-2	-3	-4	-5	9	20	7	22	-15	-8	-3	-13	1	-28	2	-26	8	7	6	10	3	21	16	9	-5	8	13	0
124					-1	-1	4		-4		4		-4		-5		2		1		-2		-2		-1	7	-1	0
125	20	18	16	17	12	6	7	12	7	3	3	4	12	20	8	17	6	3	2	2	6	4	2	3	24	25	20	23
132					-4		-2		5		7		-8		7		-8		-8		8		13		-6	-5	-7	-7
141					-2	-8	-6	-11																				
145	1	0	0	1	2	-1	0	0	3	-1	-3	-5	9		2	2	5	-1	1	1	7	2	0	3	-2	-6	-3	-4
146	-1	1	1	1	-2	0	0	-1	-3	0	-4	3	-3	-15	-1	-8	1	0	2	1	-2	-2	0	3	4	8	6	7
165	-20	-18	-22	-41	16	-30	-52	0	10	9	56	10	-35	116	19	80	31	-42	14	77	-17	63	-30	-24	-5	-35	-18	10
166					-1		0		-3		-3		-3		-3		-1		0						-1	3	-2	0
169	1	-1	1	0	6	6	6	8	4	5	5	2	2	8	3	6	2	3	1	2	3	9	8	15	2	13	2	16
171	9	8	9	9	9	11	10	7	-5	-10	-6	-8	2	1	2	2	2	2	3	4	3	3	1	3	11	11	12	12
174					-27	-15	-16	-16					-28	-29	-41	-15				-16								
178	8	14	5	9	-4	0	1	0	-22	-24	-21	-25	-22	-21	-18	-22	-25	-24	-24	-24	-20	-16	-16	-16	4	8	7	8
179	1	-28	-24	-1	16	12	12	-1	185	19	139	42	5	7	4	15	30	2	9	19	-9	-29	-11	-24	-6	-8	-3	-9
181	0	5	0	0	3	20	0	22	-4	0	-2	0	0	6	4	10	-4	0	-3	0	-1	0	0	0	1	20	1	0
184	-3		-6		2	-50	3		0	50	14		0	50	14		3		7		3		7		-4	-20	2	
187	-5	38	-4	-7	-29		-22		1	22	82	100	7		-4		-9	0	-5	11	-1		-1	945	4	140	14	156
189	-4		-8		-2	-50	0		1	47	11		1								0	2			-5	-50	0	
191	-95	875		-27	11				15				15				0				-13							
194	2		8		0		0		-4	8	-2		-4		-6		1		3		-1		-1	5	-3	-16	-2	-20
195	-6	-6	6	25	0	380	-2	433	-6	-33	-16	0	1	55	2	32	-7	-35	-10	46	-5	29	-4	12	-3	10	-3	11
198	-12	-63	-12	-39	-3	50	-4	-33					-24		-27	-50	-22	10	-12	14					-26		-24	

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