

Heavy metals in precipitation 2011 - % 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	
2	-1	9	6	7	-20	1	6	7	-6	-2	1	1	8	7	6	6	-8	-5	-3	-2	-1	5	4	5	11	14	15	15	
3	11	12	1	2	13	16	13	7	-5	-8	-5	-6	2	2	-2	-2	-5	-5	-4	-5	1	-14	-3	-5	23	21	19	18	
4			-7	-4							-17	-16	945		-13	-11			-6	-5		2820	-16	-13					
5	0	-2	0	-2	0	1	1	-2	2	-1	-1	-3	2	2	1	-1	2	0	1	-1	2	1	1	-1	3	1	2	-1	
6	-100	-17	-17	-19	-100	-13	-14	-16	9	6	-2	-3	5	-8	-6	-8	7	10	0	-2	27	20	-2	-3	6	-4	-5	-5	
7	-18	-20	-34	-31	-25	-13	-24	-27	-13	-13	-23	-19	-35	-34	-26	-24	-30	-14	-27	-28	-3	8	-22	-20	-42	-37	-46	-47	
8	-1	1	-3	-3	-3	-1	-4	-5	-3	-1	-6	-6	5	0	-2	-3	-5	-4	-7	-9	-3	-3	-5	-5	5	5	-1	-2	
10					-75	-36	-91	-1									48	36	-1	-3									
14	-2	-7	-5	-6	0	-13	-7	0	13	6	2	2	0	0	-1	15	7	18	0	0	20	40	2	4	11	13	-6	-6	
15	-5	-6	10	8	0	1	-1	6	2	1	2	4	3	3	2	4	0	-6	0	0	2	0	3	0	5	5	4	3	
16					0	0	0	0	0	0	0	2	0	0	11	-6	0	-7	0	5	-2	0	0	1	-5	0	-13	0	0
23	-10	-11	-9	-6		-31	-9	-18	-7	-9	-10	-7	-24	-59	-13	-13	12	16	8	4	15	14	-6	-5	-42	-35	-10	-14	
24	9	0	-20	-24	-25	-38	-23	-24	0	-6	-6	24	0	-6	-8	-6	-7	-9	-4	-8	60	80	-1	-2	-9	-4	-1	-3	
31	-9	0	-1	-2	0	0	-1	-1	13	18	6	6	18	-22	-5	-6	-7	0	1	-2	-20	-20	-7	-6	11	13	0	0	
33	-27	-33	-20	-16	-100	-25	-14	-13	15	15	8	6	0	4	-5	-5	0	5	0	2	16					-50	-24	-24	
39																													
47	-99	-98	-100	-100	-99	-99	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-77	-100	-100	-100	-100	-100	-100	-100
110	-5	-7	-9	-9	0	-69	-11	-20	-19	-21	39	-11	7	4	-4	-3	13	15	-3	-1	27	26	-14	-13	-31	-24	-2	-6	
112					0	0	-1	-1	-1	7	4	2	-42	-38	-12	-15	-1	10	-3	-3	16	28	1	2	0	29	-3	-4	
113			-5	-60			-2	-15	256	241	12	36			-30	-69	-100	394	12	-13			-14	-15		-56	-9	-10	
114	118	733	5	18	150	25	-14	-20	0	-6	-16	-16	0	0	-15	-15			-14	1	20	-20	-11	-13	-11	-6	1	2	
115	-1	10	1	1	5	1	-4	-3	24	22	6	5	5	5	5	4	-2	3	-11	-9	37	35	7	7	7	1	-1	-2	
117						6	-3	-5	55	51	3	8	-11	-14	-4	-7	22	25	-11	-10	97		-1	1	17	5	-5	-6	
118	-9	33	-13	-10	-75	-38	7	11	138	124	16	20	745	956	78	97	-47	-73	-2	-1	7	0	2	3	2	-1	-1	-1	
120	-82	-83	17	16		25	0	7	0	6	8	12	0	11	-4	-3	-33	-9	0	-2			11	9	33	10	-4	-3	
121	7	20	1	0	-25	0	7	5	-5	-8	0	2	-19	-21	-5	-5	0	-9	7	8	-1	-30	3	7	4	-1	14	13	
124											0	7			-5	4			1	-7			-4	-4			-9	-8	
125	-7	-5	-14	-8	-5	-5	-8	-9	9	4	0	1	7	4	0	1	10	15	0	0	32	31	1	4	-13	-14	-15	-15	
127	155	67	-5	-8			-14	-7	0	29	0	-6	-27	0	-5	-8	-13	9	-3	-4			-2	-3	-38	-25	-11	-10	
132											-8	-2	818	511	21	15	447	591	28	-18			1	-77		-14	-10	-9	
141					-23	-15	-5	-7																					
146			-6	-5	7	-3	-11	-10	5	8	1	5	-1	6	-1	-1	7	12	0	0	39	48	11	12	-13	-15	-15	-15	
159	-13	-20	-1	-2	25		-14	-8	-21	-24	-5	-4	-9		-4	-3	0	0	0	-2	19	-2	1	0		-2	3		
160	-6	-72	19	11	-28	-16	18	5	221	200	45	52	26	6	27	25	-3	4	-11	-14	60	81	33	37	40	30	14	11	
168	87	210	75	84	-50	-38	-46	-44	-19	-4	-33	-24	-11	-17	-25	-25	-5	10	-46	-45	61	114	-7	-2	-29	-34	37	23	
169	-1	-6	-2	-3	3	-1	2	1	3	2	1	0	4	1	-3	-3	0	1	-1	-2	1	-2	-2	-3	16	4	-1	0	
171	0	-1	2	3	10	9	0	1	10	9	5	5	2	4	2	5	9	15	-2	-2	36	38	5	8	5	7	1	5	
174					-10	-13	-29	-17					-55	-33	-44	-69	233	264	19	6	-7	100	-41	-37	-82	-90	-50	-50	
178	-27	-33	-25	-26	-25	-13	-16	-17	-8	-15	-5	-6	-18	-11	-6	-8	0	9	-6	-7	20	20	-4	-5	-42	-31	-20	-21	
179					150	75	-23	-17	48	9	-18	-10	-32	-16	-22	-24	-29	-25	-23	-21						-68	-14	-18	

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