Heavy metals in precipitation 2015 - % deviation from expected value

	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				% deviation from expected			
Lab no	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	4	4	10	5	7	9	14	3	-6	-5	-7	-5	0	1	1	0	-4	-3	-1	-4	-1	1	0	-1	20	21	28	23
4	-4	-5			-8	-4			-4	7			-4	-3			-8	-8			-10	-6						
5	0	0	-2	1	2	2	4	3	-3	-2	-2	-1	-1	-1	1	1	2	2	6	5	-2	0	3	0	1	1	9	5
6	10	4	3	3	7	11	25	10	-2	-5	-15	-9	4	-4	0	-16	0	-2	12	4	-7	-8	-12	-12	12	11	42	32
8	5	3	5	5	8	6	9	8	1	2	5	4	5	4	7	6	5	5	12	15	3	5	8	5	7	4	19	19
10					-10	-10	-21	-30									-16	-19	-16	-19								
13	-4	-5	-8	-6	-2	-3	-4	3	-7	-6	-4	-6	-7	-8	-2	-9	-3	-3	-1	-4	-7	-6	-6	-8	6	9	2	-1
15	0	0	0	0	0	-4	0	0	0	0	0	0	-1	-1	0	-2	-1	0	9	0	1	1	0	0	-2	0	10	5
16					0	0	0	0	0	1	0	0	33	0	11	0	0	0	0	0	-6	1	0	-8	0	0	6	-5
20	5	2	3	0	6	5	8	5	-3	-3	-3	-8	-1	-2	0	-2	-5	-6	6	-3	-3	-2	0	-4	11	9	49	21
31	-1	0	3	0	-8	-5	0	0	1	1	7	5	-7	-7	-3	-8	-6	-6	2	0	-3	0	68	11	-3	-4	6	0
32	10	13	33	0	15	7	-13	0	6	13	18	13	9	13	11	11	1	4	9	10	46	52	100	92	7	13	13	16
33	10	17	67	22	0	0	-13	0	0	1	0	0	0	0	-22	11	30	11	18	0	0	6	80	-8	-9	0	6	5
34	0	-1	15	2	10	10	18	15	7	8	6	4	2	2	-41	-46	-1	-2	-32	-42	10	9	50	5	-3	-2	-67	-53
38	-4	-2	13	-4	0	2	-13	-33	-11	-5	-32	-34	14	-6			-7	4	-15	-17	-6	-9	-18	-13	-4	-3	-10	0
39	0	0	0	11	0	0	-25	0	0	1	6	0	-7	-7	0	11	0	2	0	0	0	6	20	-33	0	0	0	5
48	-4	-1	-46	-15	-3	0			-2	1	-3	-2	-11	-9			-3	-5	-15	-13	-3	2	-37	-16	-1	1	35	33
110	-1	0	20	11	5	9	75	100	-5	1	7	6	143	0	14	20	3	-2	5	10	-3	2	20	4	12	4	-41	-35
112					-3	-4	-13	-17	3	3	2	4	0	-3	1	3	-5	-5	-4	-13	4	4	2	-5	2	1	12	7
113	-7	3			4	9	31	31	4	8	-21	20	21	-6			7	18	1	14	1	3			2	-1	18	27
114	8	-18	367		-17	-9	25		-14	-13	-41	-25	7	7	-11	-22	10	6	-36	-30	-13	-11	-20	-33	7	4	-34	-31
115	14	12	13	14	1	4	4	2	1	1	2	1	3	3	3	1	-3	-4	5	6	3	5	36	7	20	19	21	22
117					-13	-20	50	17	2	0	0	21	2	3	27	154	-2	-5	-11	8	-4	-1	4	6	1	1	8	21
118	-26	-28			22	7	88	150	-2	-2	-18	-25	0	-3	-11	-11	1	5	145	140	0	-2	40	0	-5	-7	4	21
120	2	0	-4	-1	0	2	4	10	3	3	2	-1	4	4	14	17	1	1	14	8	2	3	-6	-1	2	2	7	7
121	4	2	-23	-2	10	9	-13	0	14	29	18	8	3	5	6	-8	17	13	19	15	2	9	12	6	9	11	8	16
124									0	-5			-4	-6	678		-2	-1			-10	5			-3	-3	3	-8
125	0	0	2	1	2	3	3	7	0	3	3	4	4	5	6	7	0	0	10	4	1	3	9	7	9	12	15	17
129	35	12	149	24	-5	-6	5	-50	-8	-1	6	10	-4	7	11	4	17	18	26	22	-11	-1	-31	-16	-4	-3	8	-2
141					2	2	-1	-2																				
146	5	3	28	11	1	2	6	5	-3	-6	0	-3	3	2	5	1	0	0	1	1	2	3	-2	-1	10	10	9	11
165	110	36	147	36	25	15	0	83	64	-19	-25	6	164	49	3	28	-27	-23	-15	22	28	-22	70	-12	29	7	26	49
166					2	2											1	1							0	-1	4	4
169	-6	-11	-3	-6	-1	-6	-1	-2	-7	-12	3	-1	-5	-9	-2	-4	-2	-6	1	0	-1	-5	8	-1	-4	-7	2	5
171	21	19	19	20	16	16	16	15	0	0	4	4	2	4	8	5	0	1	11	3	3	4	10	7	38	39	44	43
174					-17	-15	-31	5					-45	-47	9	-30	-15	-17	-16	10								
178	28	-94	1250	24	17	-87	338	-33	-2	-90	447	1	1	-87	352	-1	-1	-95	992	-1	0	-95	1032	2	-1	-92	668	2
179	-9	-5	-19	-28	33	35	38	33	-2	-4	-9	-11	10	-4	-16	2	-13	-12	45	26	5	1	32	5	1	-2	-3	-4
181	4	2	10	1	-2	4	13	17	-2	0	6	0	0	0	0	0	0	0	18	0	0	6	0	8	3	3	25	16
184	-7	-4			-5	-7			3	3							-1	0			0	-3			0	0		
185	-20	-7			-7	-7			10	0			0	-3			-7	-1			0	-4			0	0		
186	-26	-4			-3	-7			7	2			5	-10			-5	-3			-2	-2			5	1		
187	-20	-8	67	0	0	-9	-25	17	4	1	6	-25	-20	-29	-11	-22	-4	-15	73	30	-13	-90	96	8	0	0	0	5
189	-16	-15			-13	-11											-3	-3							-2	-3		
191	26	13			0	-11											8	9							10	14	81	39
194	6	2			3	2			0	0	-5	-8	-3	-4			-3	0	-55	-50	-3	0			-6	-6	-13	-15
195	-1	-1			-18	-56			-13	-12	-50		-46	-52	-64	-64	-6	-8	39		-11	-11	76	22	-3	-3	-16	-19
197	-6	-2	3	-3	5	4	0	0	2	2	2	0	-8	8	7	2	-5	-5	-20	-20	0	-1	16	0	1	1	4	6
198																									-6	-6		

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