Precipitation

Lab no	SO_4^{2-}				NH_4^+				NO_3^-				Na^+				Mg^{2+}				Cl^-				Ca^{2+}				K^+				pH				Cond			
	% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				% deviation form expected value				pH-units from expected value				% deviation form expected value			
	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4
1	4	3	2	2	0	-3	-3	-5	3	0	1	0	-3	-5	-4	-5	2	2	2	2	-18	-16	-10	-8	-3	-5	-5	-4	-6	-4	-6	-7								
3	1	1	1	1	1	-6	9	5	3	1	2	2	5	2	1	-1	0	0	-1	0	4	0	-3	-2	0	3	-1	-3	4	5	2	2	-0.06	-0.04	-0.06	-0.05	-7	-3	-5	-7
4	-1	1	1	1	4	-1	0	-1	0	0	1	0	-4	-3	-1	-3	5	5	10	9		-9	-5	-5	-12	-4	30	6	3	-2	-2	-1	-0.03	-0.03	-0.06	-0.03				
5	4	4	4	3	0	0	2	-2	1	0	2	3	5	2	3	2	5	5	5	6	6	1	-1	-2	1	1	1	1	7	8	9	10	-0.02	-0.02	-0.02	-0.01	-2	-2	-4	-4
6	-5	-4	-3	-3	36	30	29	25	-8	-7	-6	-5	-4	-5	-4	-4	-18	-19	-13	-10	-12	-10	-7	-6	-18	-18	-14	-12	-10	-5	-6	-5	-0.2	-0.03	0.01	0.03	-1	-1	0	1
8	2	2	3	3	0	0	2	-4	6	8	12	0	2	-1	-1	-1	1	0	1	2	-1	-3	-2	-1	-18	-17	-14	-11	-5	-3	-5	-3	-0.05	-0.05	-0.05	-0.04	2	1	0	0
10	-15	2	2	2	-7	-7	-6	-12	-14	-1	0	1	-17	-12	-10	-11	0	-4	-2	-3	-24	12	-7	-9	-34	-4	1	-4	-8	-4	-1	-2	-0.07	-0.07	-0.06	-0.06	7	6	6	5
13	-5	-5	-4	3	4	3	1	-1	0	-5	-2	-3	2	0	0	0	-11	-9	-10	-9	0	-4	-1	-3	-9	-7	-8	-7	-7	-6	-4	-4	-0.05	-0.03	-0.03	0	-2	2	-1	-4
15	0	2	0	0	21	20	34	15	0	-2	-4	-3	1	2	1	1	-10	7	25	25	-3	-5	-1	-3	22	5	1	0	-16	2	0	-1	-0.07	-0.05	-0.08	-0.08	-1	0	-2	-1
16	0	-2	-2	-1	0	-4	-4	858	-1	-4	-3	-4	4	-1	-1	-2	2	2	1	2	7	3	-1	-5	1	3	-2	-1	-1	2	1	1	-0.01	-0.01	0.02	0.03	-1	-1	-1	-1
18	0	1	0	1					-1	-2	-1	-1									1	0	0	0																
19	16	11	-1	-4	19	26	12	15	-1	21	10	5	6	9	11	16	5	5	3	3			-5	-7	-2	-4	-1	1	3	13	11	12	-0.22	-0.08	-0.08	-0.06	-1	-3	-2	-2
20	0	-1	-1	-1	5	7	5	5	2	-1	-1	-1	6	3	2	2	5	3	3	3	-3	-6	-5	-5	-1	-2	-3	-3	6	6	3	3	-0.04	-0.02	-0.01	-0.02	2	2	0	0
21	3	3	3	2	6	12	16	12	0	-1	0	0	-2	-3	-1	-2	3	3	5	6	-8	-3	-1	2	10	7	2	1	5	10	10	12	-0.03	-0.04	-0.05	-0.04	1	1	0	0
22	-6	-6	-3	-2	28	13	10	7	-3	-3	-1	0	12	-8	-11	-9	-2	-6	-7	-7	19	-13	-13	-8	76	55	36	24	13	-3	-3	0	-0.07	-0.08	-0.07	-0.07	-9	-10	-11	-9
23	-2	-3	-3	-3	8	8	6	7	2	1	1	2	3	0	-1	0	0	1	0	1	-10	-7	-4	-2	-10	-12	-13	-8	-5	-3	-7	-4	0.03	0.04	0.04	0.09	-4	-1	-1	-3
24	-3	-1	-1	1	2	1	4	2	-3	-5	-2	-1	3	0	1	0	-2	1	3	5	-10	-11	-8	-8	-8	-2	-1	-1	9	6	5	1					1	1	0	0
26	0	0	0	0	2	0	1	1	1	1	1	1	2	2	2	2	3	6	6	6	0	0	1	1	0	4	2	2	1	5	3	3	-0.06	-0.04	-0.03	-0.02				
27	0	-1	0	0	1	0	0	0	1	0	0	-1	4	4	-1	3	2	0	1	1	0	-1	0	1	1	2	-2	0	1	5	1	5	-0.04	-0.04	-0.06	-0.05	3	2	1	1
30	1	1	3	5	-1	-2	4	0	0	0	1	3	4	2	1	1	10	8	6	7	3	5	3	4	6	5	1	4	-5	4	6	10	0.08	0.09	0.06	0.03	-5	0	0	0
31	1	2	2	2	-16	-7	0	2	0	0	0	0	7	0	0	-1	-1	-2	-1	-1	12	-8	-8	-9	0	-3	-3	-3	7	0	0	1	-0.04	-0.05	-0.05	-0.05	3	1	0	0
32	-3	-2	-1	1	14	8	7	4	3	2	3	6	-4	3	2	0					-3	0	-2	1	-41	-48	-53	-59	-4	-2	-2	-2	-0.06	-0.08	-0.05	-0.07	-8	-5	-6	-4
33	10	10	10	11	1	0	1	-1	14	10	10	7	-21	-6	-1	-1	-4	-1	-3	-2	21	20	17	21	-2	2	2	4	-8	2	5	4	-0.06	-0.06	-0.06	-0.05	2	1	1	0
34	-8	-7	-3	-1	12	85	71	41	-7	-9	-8	-7	5	2	-15	-15	-61	-43	-40	-50	3023	1440	218	263	52	22	7	-2	618	-27	-43	-15	-0.21	-0.07	-0.15	-0.08	-11	-11	-11	-8
35	7	6	6	6	3	0	1	0	4	3	4	3	5	2	2	1	8	9	7	7	-2	-3	-2	-2	9	9	3	3	6	6	4	3	-0.04	-0.05	-0.02	-0.03	0	0	-1	-2
36	7	7	4	5	2	2	2	0	1	2	3	4	8	4	3	2	3	6	5	6	-1	12	2	1	-15	-10	-9	-4	-18	-5	-1	-2	0.01	0.02	0	0	-3	-2	-1	-1
38	5	7	5	7	26	7	27	30	5	8	11	10	-2	-4	-1	-4	27	24	3	-1	-8	-16	-8	-4	52	10	-31	-40	-20	-11	-9	-7	-0.12	-0.02	-0.01	-0.01	95	18	-11	-13
39	1	1	1	2	27	8	69	23	-2	-1	-1	-1	6	2	2	0	1	1	1	1	-8	-8	-5	-6	2	0	0	0	1	3	0	1	-0.59	0.01	0.03	0.04				
40					-15	-15	-26	-32	-10	2	-3	-6									107	89	50	66									0.63	0.83	0.79	0.71	7	9	-15	-9
42	-23	-9	-16	-8	0	-12	-8	-16	-47	-49	-64	-40	18	-6	-25	1	17	-27	-34	-29	-29	-33	-22	-11	-4	34	1	0	50	-8	-49	-64	-0.13	0.02	0.02	0.03	-17	-24	-23	-27
45	9	7	6	6	9	8	10	2	2	-2	0	0	14	7	-3	-5	10	7	-1	-3	-3	-5	-2	-2	-17	19	-15	-24	-14	23	4	2	-0.08	-0.04	-0.03	-0.01	-2	-1	0	1
46																																	-0.03	-0.03	-0.05	-0.05	-4	-2	-3	-3
48	-8	-7	-4	-4	-36	-24	-16	-12	2	-1	-1	0									1	-18	-14	-14																
107	3	5	8	8	-6	-4	-5	-5	4	4	6	7									-10	-5	-7	-10									-0.07	-0.03	-0.03	-0.03	-5	0	-1	-1
110	19	7	2	2	6	-7	5	3	20	24	13	11	-4	-3	-1	-3	2	2	2	3	36	12	7	1	-10	-8	-8	-6	-26	-17	-13	-6	-0.29	-0.13	-0.07	-0.06	-6	-2	-1	-6
112	0	-1	-1	0	6	3	1	1	-5	-7	-5	-5	6	6	5	3	5	5	10	9	-3	-1	-2	-2	18	13	9	11	-4	8	5	4	-0.04	-0.03	-0.03	-0.03	-4	-4	-2	-3
113	7	11	6	5	-4	-1	5	9	4	8	4	4									40	22	10	8									-0.03	-0.07	0.02	0.06	-9	-1	-11	-7
114	-3	-3	-3	-3	0	-2	-3	-8	-1	-4	-2	-2	1	0	-1	-3	5	5	3	3	-3	-5	-5	-4	8	4	4	6	-4	-2	-2	-1	-0.06	-0.04	-0.05	-0.03	-7	2	0	1
115	-1	0	3	3	-16	-14	-18	-14	-4	-4	-2	-1	5	1	1	0	-8	-8	-6	-6	2	-3	-4	-5	-8	-8	-6	-6	-5	-2	-7	0	-0.03	-0.06	-0.03	-0.02	-6	-11	-6	-6
116	-4	-5	-3	-99	38	42	41	37	-8	-7	-6	-99	14	8	7	5	0	0	1	1	12	-14	-15	-87	11	3	12	-4	4	5	4	2	-0.31	-0.23	-0.24	-0.24	-20	-18	-20	-19
117	-2	-2	-4	-4									-9	-9	-10	-10	-7	-7	-6	-4					-7	-6	-6	-6	-12	-7	-9	-6	-0.05	-0.02	-0.03	0	-5	-4	-5	-4
118	4	3	4	4	4	4	5	6	-4	-5	-5	-4	-4	-6	-5	-5	-6	-6	-4	-6	-3	-5	-8	-7	8	-4	-1	-3	-12	-7	-9	-6	-0.11	-0.08	-0.06	-0.05	-5	-7	-4	-5
120	-2	-2	-4	-2	13	7	5	3	2	1	2	3	11	6	5	3	6	8	6	9	30	38	21	1	4	7	-1	6	-4	-2	-9	-4	-0.05	-0.02	-0.03	-0.02	-4	-6	-3	-5
124	-3	-2	-1	-1	-1	-4	3	3	-1	-1	2	2	1	-2	1	0	2	2	3	3	6	0	13	2	2	-3	-2	1	-3	-2	-3	-3	-0.3	-0.06	-0.03	-0.03	-11	-5	-6	-4
125	2	3	4	4	17	7	8	4	-2	-1	0	0	-14	-19	-21	-22	-16	-18	-20	-20	-4	-9	-5	-5	-14	-16	-21	-20	-8	-8	-14	-14	-0.08	-0.05	-0.07	-0.06	-15	-12	-12	-11
126	-9	-7	-4	-4	4	8	7	7	0	8	8	16	-18	-18	-12	-12	-19	-21	-23	-20	-16	-9	-5	-4	57	22	-17	-17	-26	-22	-18	-17	-0.06	-0.01	0	0.02	-5	-2	-3	-2
140	3	4	3	5	0	0	2	2	7	5	6	7	3	-1	-2	-3	2	3	2	3	5	-2	3	4	-4	-1	-4	-2	0	2	0	-1	-0.13	-0.05	-0.05	-0.07	1	3	1	1
145	-4	-3	-3	-3	-2	0	3	1	-4	0	-5	-4	-5	-5	-4	-4	-4	-5	-3	-1	-5	-6	-4	-4	28	7	-15	-17	-11	-5	-3	-1	-0.15	-0.06	-0.04	-0.06	-2	0	-1	-1
146	9	10	13	14	-4	-7	-7	-8	14	11	13	13	1	-1	0	-2	-1	-1	-1	0	-25	-23	-16	-15	94	89	84	87	3	6	5	6	0	-0.01	0	0.02	7	7	7	6
153	-5	-5	-3	-3	3	-1	0	1	-8	-8	-6	-6	-26	-17	-5	-2	2	0	3	6	-16	-16	-14	-14	15	1	21	9	-13	-9	-4	-2	-0.49	-0.13	-0.04	-0.04	-28	-12	-7	-3
155	0	1	-1	-1	-4	-3	0	1	-7	-6	-4	-3	5	2	1	0	2	1	2	2	-3	-8	-5	-4	-11	-14	-11	-9	-4	-3	-6	-6	-0.06	-0.04	-0.03	-0.03	-2	-1	-1	-1
158	6	5	6	7	8	4	6	5	3	4	6	8	7	3	4	2	5	6	7	7	1	4	3	6	0	3	1	2	2	4	3	3	-0.14	-0.07	-0.09	-0.06	-9	-6	-8	-5
165	5	7	11	6	-8	10	6	6	-4	0	3	4	15	-4	-2	-1	2	4	6	7	-1	-11	-22	-23	27	64	41	41	3	-10	-9	-13	-0.04	-0.11	-0.04	-0.02	-2	-8	-3	-7
166	3	3	7	2	1	0	-1	-1	0	1	1	3	1	0	1	-2	-2	1	1	0	2	-4	-3	-5	-11	-3	-2	-6	-1	-5	4	-2	-0.01	-0.03	-0.05	-0.04	2	0	-3	-2
167	15	6	3	7	-3	-4	-3	-3	4	0	2	1	5	-1	1	0	-2	-7	-2	-1	26	22	14	11	20	10	5	2	24	30	37	33								
176	-2	-2	-4	-16	0	-2	-3	3	-5	-4	-5	-2	11	12	13	16	5	14	10	9	-9	-9	-11	17	-12	-13	-17	-17	-4	-7	-5	-1	0.01	0.02	0.01	0.02	-15	-14	-14	-14
178	194	171	170	203	-99	15	20	27					-18	-21	-20	-20	1	1	1	2	-16	370	-25	-4	-2	-13	-6	1	-41	-36	-31	-28	-0.97	-0.08	-0.14	-0.1	-1	-2	-4	-5
179	-23	-22	-19	-88	4	9	15	1012	-24	-26	-22	-25	10	11	1	-1	-39	-40	-25	-23	-25	-16	-17	-22	-5	-8	-16	-28	29	41	2	9								
181	-4	-4	-1	-1	6	3	1	1	1	-2	-3	-4	7	5	3	1	6	7	4	5	34	15	6	4	6	30	14	11	3	15	6	5	-0.11	-0.12	-0.13	-0.09	6	6	5	5
187	-57	-57	-29	-17	24	-1	7	-1	3	2	3	4	5	-22	-15	-21	-14	-13	-10	-10					36	-15	1	-8	35	27	-26	-27	0.06	-0.14	-0.07	-0.09				
194																	6	4	5	7													-0.1	0.1	0.05	0.19	-7	-8	0	-20
195					24	-13	7	-3	9	1	2	-1	-18	-24	-24	-23	-19	-21	-23	-20	-77	-85	-90	-91	-95	-96	-74	-63	3	-17	-15	-20	0.04	0.1	0.02	0.03				
197	163	185	212	110	19	-21	20	15	265	445	456	403																												
198					1	-4	-11	-5					-88	-66	-39	-40	31	18	24	29									-18	-11	-6	-3								

SO_4^{2-} and NO_3^-: between ±10 and 20%

SO_4^{2-} and NO_3^-: more than ±20%

NH_4^+, Cl^-, Na^+, Mg^{2+}, Ca^{2+}, K^+ and cond: between ±15 and 25%

NH_4^+, Cl^-, Na^+, Mg^{2+}, Ca^{2+}, K^+ and cond: more than ±25%

pH: between ±0.1 -0.2 pH-units

pH: more than ±0.2 pH-units