Precipitation

Lab no	SO_4^{2-} % deviation form expected value				NH_4^+ % deviation form expected value				NO_3^- % deviation form expected value				Na^+ % deviation form expected value				Mg^{2+} % deviation form expected value				Cl^- % deviation form expected value				Ca^{2+} % deviation form expected value				K^+ % deviation form expected value				pH pH-units from expected value				Cond % 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
2	8	-37	38	6	12	9	10	9	-1	-97	-98	-98	-12	-9	-10	-8	14	16	24	19	36	20	11	14	-76	-48	-7	-7	-1	1	1	4	-0.05	0.00	0.11	0.03	-2	-1	4	1
3	0	1	-1	-1	17	11	6	2	0	0	0	1	-1	-1	-1	1	-3	10	-1	0	-4	-5	-4	0	12	5	17	12	-3	3	-1	-1	-0.04	-0.03	-0.01	-0.04	-2	1	10	4
4	-4	-1	-2	-4	3	0	0	-1	0	0	-2	1	-13	-15	-9	-9	-4	-3	-3	-3	-10	-5	-3	-8	1	-6	-5	3	0	1	-1	0	-0.03	-0.02	0.01	-0.02				
5	3	5	3	3	-1	0	-3	-4	1	1	1	1	1	2	-1	1	3	4	3	3	-1	-1	0	1	4	3	4	4	5	9	7	4	-0.01	-0.01	0.03	0.00	0	-2	3	1
8	4	8	7	5	-3	-3	-3	-5	6	1	0	1	-12	-8	-8	-8	1	2	2	0	-2	-1	-3	-1	3	-9	2	-5	-8	-5	-3	-6	-0.05	0.08	0.16	0.12	-1	-3	6	1
10	0	0	0	0	-4	-6	-5	-6	-90	-3	-2	-2	-5	-5	-5	-4	-1	2	1	-5	-4	12	-15	-6	-94	-96	-84	-70	6	8	8	0	-0.05	-0.05	-0.02	-0.05	5	2	8	4
12	3	3	4	3	-4	-3	0	-2	-2	-2	-1	0	-6	-6	-6	-6	-4	-4	-2	0	3	-7	-3	-4	46	17	-11	-12	0	1	-1	6	-0.02	-0.02	0.06	-0.04	-8	-3	0	-1
15	-1	0	0	-2	7	5	4	-2	1	1	0	0	4	5	3	3	13	5	5	3	2	7	2	0	66	13	7	10	5	8	4	10	-0.04	-0.01	0.11	0.00	0	-4	-1	-4
16	0	0	2	-1	0	1	-4	-1	-1	-3	-1	-1	-4	-5	-5	-4	1	3	2	1	0	-3	-2	-1	2	6	1	0	-4	-3	-4	-3	-0.04	-0.03	0.00	-0.02	0	-2	4	1
19	-9	-6	10	4	22	20	15	14	4	13	7	9	10	8	8	8	2	4	2	4			-3		28	19	11	7	12	8	8	12	-0.04	-0.06	-0.04	-0.05	-7	-8	-2	-5
20	0	1	2	1	1	0	3	1	1	1	0	1	2	2	1	3	4	4	6	4	-3	-1	0	0	10	4	5	3	4	4	3	7	-0.05	-0.05	-0.01	-0.04	1	0	6	2
21	5	5	4	5	2	1	1	0	-1	0	-1	0	-3	-2	-3	-2	3	3	3	4	-1	-1	-4	-2	16	5	7	5	1	4	3	3	-0.05	-0.03	0.01	-0.03	4	2	6	3
22	18	19	14	16	34	26	22	23	17	18	20	22	12	16	-1	-6	14	9	14	13	20	7	8	4	124	56	35	46	15	15	8	11	-0.09	-0.12	-0.10	-0.13	-9	-10	-1	-2
23	-2	-2	1	0	5	2	3	4	2	2	2	2	3	4	0	0	5	8	2	1	7	6	5	3	10	3	-4	-2	-11	-10	-13	-11	-0.02	0.01	0.06	0.02	0	-2	2	1
24	-3	-3	-3	-2	-7	-1	1	0	-3	-5	-3	-4	7	1	4	5	4	5	9	5	-13	-4	-6	-5	8	1	1	2	1	0	0	2	-0.12	-0.07	0.02	-0.04	4	4	7	6
26	0	1	2	1	1	-2	0	-1	1	1	0	1	1	1	-1	1	2	3	2	2	-7	-2	0	0	3	3	1	2	2	3	1	3	-0.06	-0.05	-0.01	-0.04				
27	-1	0	1	0	1	0	2	1	-2	-1	-2	-1	-3	-3	-4	-3	1	3	2	4	-4	-1	0	0	2	2	1	2	-1	-1	-1	-1	-0.01	0.02	0.07	0.04	2	0	4	2
30	5	1	2	-1	2	-6	-1	-3	0	0	4	1	0	0	0	1	4	8	9	8	5	1	7	3	4	3	11	6	-16	-12	-13	-11	-0.33	-0.03	-0.02	-0.01	-6	-3	1	-6
31	3	3	3	3	-1	-2	5	4	2	3	2	3	4	1	-2	1	-11	-2	-2	-1	6	-4	-5	-6	8	-1	-2	-2	0	-1	-1	-4	-0.08	-0.06	-0.01	-0.04	2	0	6	4
32	-3	-3	-14	-13	12	18	0	-2	-2	1	0	0	-4	-6	-1	-1					-16	-15	-13	-11	-44	-22	-25	8	0	-3	-4	0	-0.03	-0.05	-0.08	-0.10	-1	0	9	3
33	-2	2	3	2	-11	-10	-8	-9	-1	1	2	2	-30	36	-26	-14	-2	3	-2	3	31	46	6	5	19	11	8	12	1	0	-8	-1	-0.04	-0.02	0.00	-0.02	3	1	5	3
34	-2	-3	-5	-4	89	84	64	62	-8	-8	-8	-8	4	-48	-50	-49	25	24	23	24	534	565	226	213	31	4	4	8		461	255	340	-0.04	0.06	0.09	-0.24	16	4	13	4
35	1	2	6	4	29	28	36	35	7	6	6	6	6	6	6	7	-4	-4	2	1	1	2	9	3	-20	-8	1	0	38	23	2	-19	-0.08	0.04	0.21	-0.05	2	-2	4	1
36	1	3	4	3	-2	0	-1	-3	-5	-3	-3	-3	0	-1	1	-1	7	9	6	5	30	16	1	4	9	5	4	2	-4	-4	0	-3	-0.13	-0.10	-0.08	-0.09	-3	-5	1	-2
38	-9	-24	-19	-16	-14	-14	-6	-2	-13	-16	-12	-21	-24	-14	-6	3	9	5	0	3	173	4	8	26	-15	-21	-5	-19	-32	-58	-50	-74	0.07	0.13	0.18	0.10	60	-10	12	-5
39	-4	-4	-2	-5	0	-1	4	5	-2	-2	-1	-2	-5	-4	-4	-3	2	3	4	4	-9	-19	-2	-2	-2	-3	-2	-1	-4	-2	-2	-3								
40					17	15	8	10	-4	9	8	-2	-22	-22	-28	-24	-32	-29	-34	-32	2	20	6	14	-37	-33	-37	-37	-41	-37	-43	-41	-0.07	0.15	0.30	0.30	-18	-11	0	-6
41	-5	-4	4	12	39	59	-7	1	15	8	12	13	-2	-26	27	26	137	114	85	64	29	9	4	7	248	166	163	150	18	13	14	18	-0.08	-0.07	-0.07	-0.15	2	2	8	1
42	-23	-23	-26	-22	12	24	27	16	-34	-32	-34	-31	7	11	19	25	44	41	65	31	-27	-46	-32	-34	122	70	94	29	55	32	44	29	-0.15	-0.04	-0.07	-0.13	-21	-22	-14	-18
43	32	28	28	39					-9	-7	-9	-11									23	8	0	482									0.76	0.48	0.76	0.48	-31	-17	-6	-11
45	5	5	3	4	2	3	5	4	3	2	1	1	38	31	49	49	38	33	46	44	-2	-1	-1	0	6	7	50	47	35	25	32	38	-0.09	-0.07	-0.01	-0.04	1	-2	2	-1
46																																	0.00	-0.01	0.04	0.02	0	-3	2	-1
107	1	2	5	5	1	0	4	1	-4	-2	-3	-1									-13	-13	-10	-8									-0.06	-0.03	-0.08	-0.06	-1	-1	-3	-2
110	-8	4	8	-2	-4	-3	3	-2	-2	18	-1	-6	-2	-3	-3	-3	5	7	5	4		30	75	22	-7	-6	-5	-7	-12	-8	-1	-12	-0.09	-0.06	-0.07	-0.06	-15	-7	0	-5
112	2	2	1	1	2	0	2	2	-4	-4	-4	-3	1	2	2	3	-8	-8	-7	-6	-3	-1	-3	-2	-2	-4	-2	-1	-3	-4	0	-3								
113	4	2	-8	-34	-35	-25	-18	-14	6	-3	-12	-38	-10	-7	-10	-6	-10	-5	-8	-7	55	9	9	-21	31	-19	-15	-12	-26	-17	-19	-25	-0.05	-0.02	0.05	-0.05	-22	-21	-22	-17
114	-2	-2	-2	-2	2	-3	0	-2	-2	1	-1	-2	-9	-9	-9	-6	5	-3	5	4	-5	-2	-3	-4	46	33	23	8	-12	-8	-4	-6	-0.05	-0.04	0.02	-0.03	3	1	6	3
115	1	1	1	2	-1	-2	-2	-3	-3	-2	0	0	-4	-8	-6	-3	-7	-7	-8	-7	8	1	-5	0		-1	-3	-2	9	-8	3	10	-0.08	-0.10	-0.03	-0.04	-6	-11	-4	-5
116	0	-7	-2	-5	13	8	9	5	-3	2	-12	0	4	2	4	4	-2	0	2	0	-6	-9	-9	-8	36	22	16	17	10	5	6	8	-0.02	-0.01	-0.09	-0.11	-30	-29	-33	-35
117	-3	-2	-4	-3	2	-3	0	-2	-5	-4	-5	-6	-5	-5	-7	-6	3	2	1	-1	116	30	-3	7	10	8	5	7	-6	-5	-9	-8	-0.08	-0.07	-0.08	-0.11	4	0	0	0
118	0	3	4	3	1	1	-1	-3	-2	-4	-3	-2	-6	-9	-3	-6	1	0	-2	0	-74	-79	-26	-19	57	64	6	32	0	-8	-8	-6	-0.14	-0.11	-0.06	-0.07	-7	-7	-7	-6
120	-1	0	0	3	18	26	6	4	6	6	3	4	13	3	-3	0	-15	-11	-10	-2	81	35	10	11	-1	4	-6	-1	21	10	-1	4	-0.05	-0.01	0.03	0.00	4	0	7	0
121	-8	-8	1	-6	4	0	1	-1	0	0	0	1	-3	-8	98	-7	-2	-3	1	-3	-1	-9	-14	-11	39	-5	39	3	-8	-9	8	-9	-0.10	-0.06	0.00	-0.06	4	5	24	12
124	0	-5	3	16	-41	-34	6	7	1	3	11	16	0	1	-2	0	-4	1	-4	-1		-7	-8	-6	1	-5	-8	-7	4	-1	-1	0	-0.02	0.00	0.02	0.01	6	3	8	6
125	0	2	1	1	5	4	3	3	-3	-2	-2	-1	-5	-6	-5	-3	-2	0	1	2	-3	3	5	4	-8	-9	-9	-8	-2	-1	0	6					5	0	6	2
126	-8	-7	0	4	-7	-7	0	-2	-6	-7	-6	-3	-6	-6	-3	7	-4	-3	-3	-3	-31	-27	-26	-19	24	2	1	8	-12	-12	-8	6	-0.07	-0.02	0.03	-0.02	-9	-5	2	0
140	-3	-1	-1	0	3	-1	1	-1	0	1	0	2	-2	-1	-1	1	0	1	2	3	0	-2	-3	-1	-3	-2	-1	0	-2	0	0	2	-0.09	-0.07	-0.03	-0.06	5	4	10	5
146	-3	-1	-1	-2	4	0	0	-3	-3	-3	-2	-2	3	0	1	0	1	-1	1	4	-3	-2	-4	-3	-6	-11	-8	-1	202	-3	-1	-2	-0.08	-0.07	-0.06	-0.04	8	5	8	-6
151	12	15	11	12	1	-1	2	0	-9	-7	-5	-5	-7	-7	-8	-7	2	2	1	2	-10	-6	-4	-4	14	2	-3	3	-3	-5	-1	-2								
153	1	2	0	0	3	3	3	2	-3	-1	-3	-2	-4	0	-1	0	1	5	6	4	-11	-11	-10	-9	12	14	17	7	-4	0	3	1	-0.16	-0.08	-0.08	-0.14	-21	-9	8	0
155					-2	-2	4	2					4	0	0	2	3	4	4	3					-29	-20	-14	-10	-15	-11	-10	-13	-0.05	-0.05	-0.04	-0.06	2	-1	3	1
158	9	10	1	3	-8	0	2	0	5	8	2	3	3	2	2	3	4	4	4	6	56	30	14	19	9	5	3	5	8	6	6	14	0.01	0.00	-0.03	-0.03	-4	-7	-1	-4
165	14	12	7	9	-5	43	5	2	-1	0	-1	-2	9	13	8	1	23	37	59	13	84	45	20	29	155	159	6	-36	31	0	-7	-15	-0.02	-0.08	-0.03	-0.05	-1	-3	6	1
166	0	0	-2	1	-1	1	1	2	-1	-1	-2	-1	-4	-6	-8	-5	0	0	-1	-1	-5	-1	2	-7	-1	-2	-3	-3	-8	-8	-9	-8	-0.04	-0.03	-0.02	-0.04	-1	-1	5	-2
167					-1	-1	0	-1																																
175	8	8	-3	5	-11	-10	-19	-19	-11	-2	0	-2	1	5	6	5	72	75	37	47			10	4	79	52	14	13	18	5	1	9	-0.03	-0.01	0.02	-0.04	-1	-4	1	-4
176	-17	-18	6	2	33	13	33	24	2	10	11	-1	2	3	7	4	5	7	5	4					-89	-22	-16	-17	18	9	14	12	-0.03	0.02	0.07	0.04	3	2	4	4
178	2	1	1	-1	4	4	4	0	-4	-1	-1	0	-2	-3	-3	-6	5	-3	-3	4	-14	-12	-6	-4	12	-6	-5	-2	-12	-8	-1	-12	0.01	0.02	0.10	0.08	2	1	8	4
179	-10	-5	-3	-2	4	3	1	1	5	1	-3	-2	0	10	5	17	-5	-5	-3	-2	-6	1	2	10	12	5	0	0	-6	11	-27	25								
180	-2	-1	-2	-2	0	1	2	1	-1	0	0	0	1	4	2	3	5	8	6	7	-3	-3	-3	-3	7	22	13	23	-35	-26	-23	-29								
181	9	9	12	10	-1	-2	1	-2	14	11	10	10	6	3	3	3	1	3	2	3	91	31	17	20	8	9	6	9	-4	-2	-3	-2	-0.11	-0.09	-0.09	-0.08	4	4	7	6

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