

APPENDIX 2

Concentrations of nitrates, sulphates, chlorides and bromides on bottom water, total hydrocarbon content (THC) in sediment and heavy metals for winter sampling

Parameters	Station 1	Station 2	Station 3	Station 4	Station 5
Nitrates [µg/l]	142.4	140.9	138.9	139.1	138.4
Sulphates [µg/l]	4450	4365	4273	4124	3944
Chlorides [µg/l]	2981	2862	2763	2745	2653
Bromides [µg/l]	664	667	663	680	680
THC [µg/g]	9.18	1.7	< 0.1	< 0.1	< 0.1
Ti [%]	0.016	0.007	0.008	0.003	0.004
S [%]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
P [%]	0.011	0.009	0.007	0.005	0.016
Li [ppm]	1.7	1.2	1	0.8	1.1
Be [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
B [ppm]	23	21	16	17	16
Na [%]	0.547	0.736	0.554	0.51	0.571
Mg [%]	1.97	1.32	1.08	0.39	0.69
Al [%]	0.24	0.14	0.13	0.08	0.11
K [%]	0.06	0.06	0.05	0.04	0.04
Bi [ppm]	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Ca [%]	14.3	16.2	12.5	14.7	11.8
Sc [ppm]	0.5	0.3	0.3	0.2	0.2
V [ppm]	7	4	3	2	3
Cr [ppm]	7	5	4	< 1	< 1
Mn [ppm]	58	27	26	11	16
Fe [%]	0.28	0.2	0.18	0.13	0.15
Co [ppm]	1.3	1	0.9	0.7	0.7
Ni [ppm]	13.5	13	11.1	11.4	10.8
Cu [ppm]	3.85	4.89	2.88	1.7	3.92
Zn [ppm]	8.5	11.4	8.1	6.6	18.9
Ga [ppm]	0.72	0.42	0.34	0.14	0.12
Ge [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
As [ppm]	1.8	1.9	1.7	1.4	1.6
Rb [ppm]	2.7	1.9	1.7	1.2	1.5
Sr [ppm]	3780	3720	3350	> 5000	3070
Y [ppm]	2.74	1.67	1.66	0.94	1.14
Zr [ppm]	1	0.8	0.9	0.8	0.5
Nb [ppm]	0.4	0.2	0.3	0.1	0.2
Mo [ppm]	0.44	0.78	0.44	0.3	0.41
Ag [ppm]	0.036	0.028	0.028	0.016	0.084
In [ppm]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sn [ppm]	0.22	0.24	0.17	0.08	0.43
Sb [ppm]	0.08	0.1	0.09	0.09	0.15
Te [ppm]	0.12	0.24	0.23	0.37	0.22
Cs [ppm]	0.15	0.09	0.11	0.07	0.1
Ba [ppm]	37.9	33.3	25	23.7	40.3
La [ppm]	3.1	1.9	2	1	1.4
Ce [ppm]	6.39	4.35	4.13	2.88	3.22
Cd [ppm]	0.06	0.09	0.08	0.05	0.09
Pr [ppm]	0.7	0.4	0.4	0.2	0.3
Nd [ppm]	2.51	1.44	1.55	0.92	1.19
Sm [ppm]	0.5	0.3	0.3	0.2	0.2
Se [ppm]	0.7	1.1	0.8	0.8	0.6
Eu [ppm]	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gd [ppm]	0.5	0.3	0.3	0.2	0.2
Tb [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dy [ppm]	0.4	0.2	0.2	0.1	0.2
Ho [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Er [ppm]	0.2	0.1	0.1	< 0.1	< 0.1
Tm [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Yb [ppm]	0.2	< 0.1	< 0.1	< 0.1	< 0.1
Lu [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hf [ppm]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ta [ppm]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
W [ppm]	< 0.1	< 0.1	< 0.1	0.1	< 0.1
Re [ppm]	0.001	0.001	0.001	0.001	0.003
Au [ppb]	< 0.5	< 0.5	< 0.5	< 0.5	4.1
Tl [ppm]	0.07	0.07	0.07	0.02	0.05
Pb [ppm]	6.34	9.19	7.25	1.45	4.19
Th [ppm]	0.5	0.3	0.3	0.2	0.2
U [ppm]	2.2	2.6	2.4	3.3	2.1
Hg [ppb]	< 10	< 10	20	< 10	< 10