

Sample Name	description of sampling point	location	x (UTM, WGS 84, Zone 31N)	y (UTM, WGS 84, Zone 31N)	height over sea level (m) from SRTM data in 50x50 grid	air temperature (°C)	water temperature (°C)	pH	O <sub>2</sub> (mg/l)	O <sub>2</sub> saturation (%)	el. conductivity (µS/cm)	Eh (mV)	HCO <sub>3</sub> <sup>-</sup> (mg/l)	CO <sub>2</sub> mg/l
R04-W-ALF-1	well	Alafiarou	434335	998041	283.74	35.2	29.8	6.77			446	210	305	44
R04-P-ANM-1	piezometer	Anoum	334784	1072403	427.01	36.7	27	7.12			586	135	317.2	22
R04-W-BANI	well	Banigri	424768	1012407	290.01	32.3	27	7.02			715	137	269.01	22
R04-W-BDOG-1	well	Dogué	383221	1006210	323.64	37	28.6	7			874	170	301.95	39.6
R04-W-BDOG-2	well	Dogué	383034	1006505	332.35	37.2	27.4	7.18			1347	106	800.625	74.8
R04-W-BIS-1	well	Bio-Sikka	407222	1079943	339.63	32	29.81	6.48			221	220	94.55	35.2
R04-W-BODI	well	Bodi	342672	1036773	414.74	35.6	28.8	6.46			73	177	42.7	44
R04-W-BOR-2	well	Bori	437712	1077846	327.16	33.2	28.1	6.31			179	178	42.7	15.4
R04-F-BRI-3	footpump	Birni	338470	1104932	417.62	31.8	27.4	6.45			230	90	76.25	44
R04-W-DDU-1	well	Dendougou	360617	1076428	401.87	36.5	29.2	7.25			662	128	323.3	24.2
R04-F-FOB-2	footpump	Fô-Bouré	425992	1118195	363.67	29.6	28.6	5.86			240	81	61	44
R04-W-GAN-2	well	Gangamou	371950	1089793	397.78	30.7	28.2	7.07			190	126	128.1	6.6
R04-H-GGA-1	handpump	Gaouga	384571	1077531	357.34	31.5	28.6	6.23			112	162	61	39.6
R04-W-GOS-1	well	Gosso	396533	1077975	346.75	35.7	30.2	6.31			112	182	73.2	13.2
R04-W-GRO-1	well	Ganrou	385472	1123526	409.7	33.5	29.5	6.52			240	51	152.5	44
R04-W-GUE-1	well	Guessou-Sud	461405	1109699	389.3	31	28	5.45			10	226	9.15	8.8
R04-F-HVO-11	footpump	Kolokondé	368231	1094900	432.87	33.5	25	5.98			122	113	79.3	59.4
R04-F-HVO-2	footpump	Bariénou	365564	1074180	420.73	31.7	30.2	7.23			362	180	250.1	17.6
R04-F-BEL-P	footpump	Bélléfoungou	360267	1085332	415.71	30.7	28.4	7.04			497	15	305	30.8
R04-F-HVO-7	footpump	Tchéto	345041	1011265	394.17	34.7	29.6	6.82			352	262	207.4	48.4
R04-F-HVO-8	footpump	Djougou	350850	1072648	453.89	33	29.6	7.47			369	184	253.15	11
R04-W-KAKI-S	well	Kakikoka	426212	1018523	273.31	35.4	31.4	6.4			111	130	67.1	17.6
R04-W-KAR-2	well	Kari	445010	1100335	324.61	34.4	30.8	7.38			644	233	315.37	13.2
R04-W-KBG-1	well	Kpabégou	343561	1082842	490.89	33.4	28.7	5.68			41	182	15.25	22
R04-W-KIK-6	well	Kikelé	360482	996377	377.16	38	29.2	7.25			965	96	496.54	44
R04-H-KKP-2	handpump	Kénoukpanou	445529	1003577	327.18	34.3	29.4	6.02			150	214	106.75	74.8
R04-H-KOM-2	handpump	Komiguéa	459456	1046260	367.06	31.5	30.5	6.4			212	175	143.35	44
R04-H-KPS-P	handpump	Kpéssou	409973	1028012	324.8	35.8	30.4	6.56			248	29	125.05	61.6
R04-F-MGR-2	footpump	Marégourou	438957	1083616	299.2	34.5	29.9	6.38			244	84	152.5	61.6
R04-W-MNG-2	well	Manigri	359440	992278	389.92	37.8	29.7	6.62			132	130	61	17.6
R04-P-NAL-1	piezometer	Nalohou	347124	1077311	452.44	32.7	28.5	6.65			179	59	106.75	28.6
R04-W-OSA-1	well	Wassa	349599	1063068	436.38	30.5	28.6	6.78			134	206	70.15	11
R04-W-OUT-1	well	Ouberou	415582	1018124	288.55	30.3	28	6.49			202	53	100.65	30.8
R04-H-OUE-1	handpump	Ouenou	460079	1082047	370.26	32.4	31	6.28			349	208	118.95	35.2
R04-W-OUN-1	well	Wannou	395714	997962	312.72	31.3	27	7.07			895	86	449.57	48.4
R04-W-PELE-1	well	Pélébina	350353	1047339	433.84	35	27.6	6.31			229	255	57.95	26.4
R04-W-PEN	well	Pénéssoulou	340817	1022222	396.14	35	28.4	6.6			409	65	122	48.4
R04-H-PTA-1	handpump	Partago	332360	1031266	430.36	36.3	31.7	6.72			417	217	170.8	52.8
R04-H-SAS-1	handpump	Soassarou	394435	1129368	385.17	32.5	29.8	6.95			363	129	225.7	33
R04-W-SEB-7	well	Sébou	444271	1029672	334.11	35.4	31	6.97			322	115	134.2	13.2
R04-H-SIN-1	handpump	Sinoue	411788	1123427	363.02	33.5	29.6	6.92			424	125	250.1	26.4
R04-H-SER-P	handpump	Sérou	357472	1068612	418.93	37.5	29.6	7.17			894	116	378.2	30.8

Sample Name	description of sampling point	location	x (UTM, WGS 84, Zone 31N)	y (UTM, WGS 84, Zone 31N)	height over sea level (m) from SRTM data in 50x50 grid	air temperature (°C)	water temperature (°C)	pH	O <sub>2</sub> (mg/l)	O <sub>2</sub> saturation (%)	el. conductivity (µS/cm)	Eh (mV)	HCO <sub>3</sub> <sup>-</sup> (mg/l)	CO <sub>2</sub> mg/l
R04-F-SRO-1	footpump	Sirou	447871	1109470	369.51	31.2	30.5	6.44			316	105	152.5	48.4
R04-W-TAR-2	well	Tamarou	466791	1076529	382.03	35	30.7	6.91			852	185	227.9875	26.4
R04-W-TCH-1	well	Tchatchou	451119	1009028	369.18	34.5	28.7	5.94			75	201	30.5	17.6
R04-W-TKK-1	well	Tanéka-Koko	335179	1090133	455.07	33.6	30.5	6.52			170	147	76.25	30.8
R04-F-TOM-2	footpump	Toumé	439911	1115216	357.77	30.5	27.9	6.91			420	79	276.635	35.2
R04-H-VAN-1	handpump	Vanhoui	370763	1057500	392.53	34.8	30.2	5.97			97	169	122	57.2
R04-H-WARI-P	handpump	Wari-Marou	407864	1013209	309.27	31	28.2	6.85			827	113	384.3	57.2
R04-H-WER-2	handpump	Wéréké	447384	1076334	311.85	28.3	27.3	6.67			460	43	186.05	39.6
R04-W-WEWE-2	well	Wéwé	402574	1038088	312.18	36.3	30	6.43			88	163	45.75	17.6

Sample Name	Cl <sup>-</sup> (mg/l)	SO <sub>4</sub> <sup>2-</sup> (mg/l)	F <sup>-</sup> (mg/l)	Br <sup>-</sup> [mg/l]	(NO <sub>3</sub> ) <sup>-</sup> (mg/l)	NO <sub>2</sub> <sup>-</sup> (mg/l)	PO <sub>4</sub> <sup>3-</sup> (mg/l)	SiO <sub>2</sub> (mg/l)	Na <sup>+</sup> (mg/l)	K <sup>+</sup> (mg/l)	Ca <sup>2+</sup> (mg/l)	Mg <sup>2+</sup> (mg/l)	Sr <sup>2+</sup> (mg/l)	Fe <sup>2+</sup> (mg/l)
R04-W-ALF-1	9	3.9	0.5	< 0,8	< 0,7	< 0,8	0.59	22.61	20.48	6.499	52.4	19.2	1.326	0.0221
R04-P-ANM-1	21	36.0	0.5	< 0,8	1.4	< 0,8	< 0,2	15.92	46.14	6.421	75.6	12.6	2.234	0.0819
R04-W-BANI	36	22.0	< 0,3	< 0,8	85.0	< 0,8	< 0,2	5.67	31.38	72	66	14.4	2.383	0.03
R04-W-BDOG-1	91	18.1	0.6	< 0,8	89.1	< 0,8	0.31	30.00	67.43	10.17	76.6	32.5	3.677	0.0288
R04-W-BDOG-2	83	33.6	1.8	< 0,8	31.0	< 0,8	0.41	27.57	149.9	13.5	82.2	72	4.432	0
R04-W-BIS-1	4	1.1	< 0,3	< 0,8	6.2	< 0,8	0.31	40.17	12.86	3.483	27.82	7.06	0.791	0.117
R04-W-BODI	3	12.7	< 0,3	< 0,8	< 0,7	< 0,8	< 0,2	10.16	3.37	1.844	10.68	1.2	0.59	0.042
R04-W-BOR-2	17	2.2	< 0,3	< 0,8	36.2	< 0,8	< 0,2	4.79	12.84	12.03	11.96	3.81	0.392	0.0824
R04-F-BRI-3	1	0.7	< 0,3	< 0,8	< 0,7	< 0,8	0.46	30.45	16.83	3.839	19.43	7.73	0.575	0.0798
R04-W-DDU-1	32	17.4	0.3	< 0,8	38.4	< 0,8	< 0,2	12.68	27	51	65.4	23.6	2.136	0.0216
R04-F-FOB-2	26	2.8	< 0,3	< 0,8	39.3	< 0,8	0.90	7.83	20.21	18	13.73	5.46	0.568	0.09
R04-W-GAN-2	11	30.7	< 0,3	< 0,8	13.7	< 0,8	< 0,2	5.71	9.98	5.336	24.39	5.17	0.463	0.1457
R04-H-GGA-1	1	0.5	< 0,3	< 0,8	< 0,7	< 0,8	0.55	24.33	14.31	4.622	7.487	1.79	0.591	0.033
R04-W-GOS-1	1	1.5	< 0,3	< 0,8	< 0,7	< 0,8	0.53	13.12	7.07	3.308	14.54	2.5	0.423	0.053
R04-W-GRO-1	0	< 0,7	< 0,3	< 0,8	< 0,7	< 0,8	0.56	39.13	11.62	6.057	25.46	10.2	0.616	0.027
R04-W-GUE-1	2	0.6	< 0,3	< 0,8	1.4	< 0,8	< 0,2	3.05	1.64	0.411	0.68	0.12	0.144	0.0503
R04-F-HVO-11	1	< 0,7	< 0,3	< 0,8	< 0,7	< 0,8	1.71	35.36	12.07	4.423	11.98	2.82	0.536	0.0158
R04-F-HVO-2	1	0.8	< 0,3	< 0,8	< 0,7	< 0,8	0.53	40.89	14.1	6.757	15.05	30.5	0.56	0.0476
R04-F-BEL-P	13	4.6	0.5	< 0,8	< 0,7	< 0,8	0.27	34.80	18.82	6.404	67.5	16.8	1.447	0.1806
R04-F-HVO-7	2	3.0	0.5	< 0,8	< 0,7	< 0,8	0.41	36.97	13.26	9.095	27.4	13	0.845	0.0186
R04-F-HVO-8	3	4.1	0.7	< 0,8	< 0,7	< 0,8	< 0,2	22.53	15.56	5.771	45	16.8	0.959	0.0208
R04-W-KAKI-S	2	3.2	< 0,3	< 0,8	< 0,7	< 0,8	< 0,2	9.04	4.64	1.284	16.33	2.83	0.417	0.1649
R04-W-KAR-2	33	11.5	0.9	< 0,8	56.5	< 0,8	0.66	16.68	49.26	5.438	69.3	22	4.575	0.0868
R04-W-KBG-1	2	0.8	< 0,3	< 0,8	2.1	< 0,8	< 0,2	5.00	3.33	1.647	4.897	0.66	0.149	0.0312
R04-W-KIK-6	38	23.9	1.3	< 0,8	75.1	< 0,8	0.41	16.80	92.54	96	49.8	24.472	2.872	0.019
R04-H-KKP-2	3	1.3	< 0,3	< 0,8	2.6	< 0,8	1.01	42.09	17.05	5.481	14.51	2.72	0.541	0.0505
R04-H-KOM-2	2	2.5	0.5	< 0,8	< 0,7	< 0,8	0.88	38.25	13.39	5.714	20.43	8.47	0.874	0.0332
R04-H-KPS-P	10	3.4	0.4	< 0,8	14.8	< 0,8	0.86	19.60	15.64	5.285	26.41	7.2	0.562	0.0848
R04-F-MGR-2	6	1.3	< 0,3	< 0,8	< 0,7	< 0,8	0.45	34.00	21.26	2.897	30.16	7.13	0.828	0.0565
R04-W-MNG-2	9	4.2	< 0,3	< 0,8	2.6	< 0,8	0.57	19.72	15.35	2.508	15.9	1.22	0.436	0.0309
R04-P-NAL-1	7	2.8	0.5	< 0,8	< 0,7	< 0,8	0.28	37.05	19.47	4.97	13.49	4.66	0.653	0.3444
R04-W-OSA-1	3	1.0	< 0,3	< 0,8	6.8	< 0,8	0.27	17.28	6.68	1.879	15.86	4.81	0.603	0.077
R04-W-OUT-1	9	10.8	< 0,3	< 0,8	< 0,7	< 0,8	0.53	34.64	16.51	3.235	24.07	4.07	0.611	0.0738
R04-H-OUE-1	22	2.3	0.4	< 0,8	65.1	< 0,8	0.48	29.60	20.44	5.454	37.45	8.6	1.191	0.0194
R04-W-OUN-1	62	54.5	0.9	< 0,8	3.7	< 0,8	0.55	9.88	25.26	45	108	34	4.139	0.025
R04-W-PELE-1	17	3.6	< 0,3	< 0,8	34.2	< 0,8	< 0,2	11.36	11.95	11.96	15.86	9.77	0.819	0.0318
R04-W-PEN	53	4.0	< 0,3	< 0,8	12.0	< 0,8	0.22	6.31	24.88	12.41	29.27	15	0.945	0.046
R04-H-PTA-1	28	22.7	0.6	< 0,8	28.7	< 0,8	0.56	22.97	26.01	4.801	30.82	19	1.147	0.186
R04-H-SAS-1	3	0.8	0.4	< 0,8	6.2	< 0,8	0.50	40.01	12.72	5.721	38.89	18.9	0.819	0.0212
R04-W-SEB-7	13	7.2	0.3	< 0,8	25.1	< 0,8	0.31	18.88	17.91	17.4	32.32	10	0.884	0.0348
R04-H-SIN-1	11	4.4	0.3	< 0,8	24.6	< 0,8	0.36	28.49	14.84	3.011	53.4	16.8	1.092	0.0243
R04-H-SER-P	37	114.0	0.3	< 0,8	51.0	< 0,8	0.21	16.48	32.52	12.74	125.7	30.6	3.411	0.0545

Sample Name	Cl <sup>-</sup> (mg/l)	SO <sub>4</sub> <sup>2-</sup> (mg/l)	F <sup>-</sup> (mg/l)	Br <sup>-</sup> [mg/l]	(NO <sub>3</sub> ) <sup>-</sup> (mg/l)	NO <sub>2</sub> <sup>-</sup> (mg/l)	PO <sub>4</sub> <sup>3-</sup> (mg/l)	SiO <sub>2</sub> (mg/l)	Na <sup>+</sup> (mg/l)	K <sup>+</sup> (mg/l)	Ca <sup>2+</sup> (mg/l)	Mg <sup>2+</sup> (mg/l)	Sr <sup>2+</sup> (mg/l)	Fe <sup>2+</sup> (mg/l)
R04-F-SRO-1	8	3.8	0.3	< 0,8	10.4	< 0,8	< 0,2	36.73	11.66	5.58	43.2	8	0.772	0.0749
R04-W-TAR-2	57	26.5	0.5	< 0,8	169.7	< 0,8	< 0,2	6.39	37.45	69	59.7	32.5	2.235	0.023
R04-W-TCH-1	5	< 0,7	< 0,3	< 0,8	10.2	< 0,8	0.63	7.75	4.72	4.035	7.348	1.23	0.345	0.135
R04-W-TKK-1	9	1.9	< 0,3	< 0,8	15.1	< 0,8	< 0,2	20.56	11.19	5.247	15.85	6.6	0.508	0.0244
R04-F-TOM-2	4	7.6	< 0,3	< 0,8	< 0,7	< 0,8	0.60	28.05	11.08	3.78	49.6	22.8	0.528	0.0896
R04-H-VAN-1	2	1.1	< 0,3	< 0,8	< 0,7	< 0,8	0.43	33.12	15.24	3.732	7.237	1.5	0.419	0.1407
R04-H-WARI-P	70	54.7	0.6	< 0,8	14.7	< 0,8	0.87	27.81	36.37	5.794	69.3	57.1	1.427	0.0318
R04-H-WER-2	26	7.7	0.6	< 0,8	51.3	< 0,8	< 0,2	22.89	20.7	3.565	59.4	11.6	1.179	0.0343
R04-W-WEWE-2	5	1.9	< 0,3	< 0,8	< 0,7	< 0,8	< 0,2	16.64	7.78	2.682	9.134	1.75	0.256	0.216

Sample Name	Mn <sup>2+</sup> (mg/l)	NH <sub>4</sub> <sup>+</sup> (mg/l)		Cl <sup>-</sup> (mmol(eq)/l)	SO <sub>4</sub> <sup>2-</sup> (mmol(eq)/l)	HCO <sub>3</sub> <sup>-</sup> (mmol(eq)/l)	NO <sub>3</sub> <sup>-</sup> (mmol(eq)/l)	NO <sub>2</sub> <sup>-</sup> (mmol(eq)/l)	HP0 <sub>4</sub> <sup>2-</sup> (mmol(eq)/l)	Na <sup>+</sup> (mmol(eq)/l)	K <sup>+</sup> (mmol(eq)/l)	Ca <sup>2+</sup> (mmol(eq)/l)
R04-W-ALF-1	0.369	< 0.2		0.257	0.081	5.000	0.000	0.000	0.012	0.891	0.166	2.615
R04-P-ANM-1	0.119	< 0.2		0.602	0.749	5.200	0.023	0.000	0.000	2.007	0.164	3.772
R04-W-BANI	0.0128	< 0.2		1.006	0.458	4.410	1.371	0.000	0.000	1.365	1.841	3.293
R04-W-BDOG-1	0.028	< 0.2		2.559	0.377	4.950	1.438	0.000	0.006	2.933	0.260	3.822
R04-W-BDOG-2	0.00958	< 0.2		2.344	0.700	13.125	0.500	0.000	0.008	6.520	0.345	4.102
R04-W-BIS-1	0.036	< 0.2		0.106	0.023	1.550	0.100	0.000	0.006	0.559	0.089	1.388
R04-W-BODI	0.013	< 0.2		0.081	0.263	0.700	0.000	0.000	0.000	0.147	0.047	0.533
R04-W-BOR-2	0.0172	< 0.2		0.475	0.046	0.700	0.584	0.000	0.000	0.559	0.308	0.597
R04-F-BRI-3	0.116	< 0.2		0.030	0.015	1.250	0.000	0.000	0.010	0.732	0.098	0.970
R04-W-DDU-1	0.01932	< 0.2		0.903	0.362	5.300	0.620	0.000	0.000	1.174	1.304	3.263
R04-F-FOB-2	0.055	< 0.2		0.719	0.058	1.000	0.634	0.000	0.019	0.879	0.460	0.685
R04-W-GAN-2	0.016	< 0.2		0.302	0.639	2.100	0.221	0.000	0.000	0.434	0.136	1.217
R04-H-GGA-1	0.0154	< 0.2		0.025	0.011	1.000	0.000	0.000	0.011	0.622	0.118	0.374
R04-W-GOS-1	0.0146	< 0.2		0.038	0.030	1.200	0.000	0.000	0.011	0.308	0.085	0.726
R04-W-GRO-1	0.067	< 0.2		0.011	0.000	2.500	0.000	0.000	0.012	0.505	0.155	1.270
R04-W-GUE-1	0.00858	< 0.2		0.067	0.012	0.150	0.022	0.000	0.000	0.071	0.011	0.034
R04-F-HVO-11	0.041	< 0.2		0.017	0.000	1.300	0.000	0.000	0.036	0.525	0.113	0.598
R04-F-HVO-2	0.034	< 0.2		0.018	0.017	4.100	0.000	0.000	0.011	0.613	0.173	0.751
R04-F-BEL-P	0.4462	< 0.2		0.370	0.096	5.000	0.000	0.000	0.006	0.819	0.164	3.368
R04-F-HVO-7	0.146	< 0.2		0.059	0.063	3.400	0.000	0.000	0.008	0.577	0.233	1.367
R04-F-HVO-8	0.09	< 0.2		0.071	0.085	4.150	0.000	0.000	0.000	0.677	0.148	2.246
R04-W-KAKI-S	0.0156	< 0.2		0.059	0.067	1.100	0.000	0.000	0.000	0.202	0.033	0.815
R04-W-KAR-2	0.014	< 0.2		0.920	0.239	5.170	0.912	0.000	0.014	2.143	0.139	3.458
R04-W-KBG-1	0.025	< 0.2		0.051	0.017	0.250	0.033	0.000	0.000	0.145	0.042	0.244
R04-W-KIK-6	0.017	< 0.2		1.058	0.498	8.140	1.212	0.000	0.008	4.025	2.455	2.485
R04-H-KKP-2	0.00646	< 0.2		0.075	0.026	1.750	0.042	0.000	0.021	0.742	0.140	0.724
R04-H-KOM-2	0.03398	< 0.2		0.070	0.052	2.350	0.000	0.000	0.018	0.582	0.146	1.019
R04-H-KPS-P	0.0184	< 0.2		0.274	0.071	2.050	0.239	0.000	0.018	0.680	0.135	1.318
R04-F-MGR-2	0.3977	< 0.2		0.178	0.027	2.500	0.000	0.000	0.009	0.925	0.074	1.505
R04-W-MNG-2	0.00866	< 0.2		0.240	0.087	1.000	0.042	0.000	0.012	0.668	0.064	0.793
R04-P-NAL-1	0.092	0.300		0.201	0.059	1.750	0.000	0.000	0.006	0.847	0.127	0.673
R04-W-OSA-1	0.021	< 0.2		0.072	0.020	1.150	0.110	0.000	0.006	0.291	0.048	0.791
R04-W-OUT-1	0.0372	0.341		0.248	0.225	1.650	0.000	0.000	0.011	0.718	0.083	1.201
R04-H-OUE-1	0.148	< 0.2		0.616	0.049	1.950	1.050	0.000	0.010	0.889	0.139	1.869
R04-W-OUN-1	0.0485	< 0.2		1.760	1.135	7.370	0.060	0.000	0.011	1.099	1.151	5.389
R04-W-PELE-1	0.00812	< 0.2		0.483	0.075	0.950	0.552	0.000	0.000	0.520	0.306	0.791
R04-W-PEN	0.0146	< 0.2		1.497	0.083	2.000	0.193	0.000	0.005	1.082	0.317	1.461
R04-H-PTA-1	0.231	< 0.2		0.796	0.472	2.800	0.463	0.000	0.012	1.131	0.123	1.538
R04-H-SAS-1	0.073	< 0.2		0.098	0.017	3.700	0.100	0.000	0.011	0.553	0.146	1.941
R04-W-SEB-7	0.01075	< 0.2		0.370	0.150	2.200	0.405	0.000	0.006	0.779	0.445	1.613
R04-H-SIN-1	0.61	< 0.2		0.319	0.092	4.100	0.396	0.000	0.008	0.645	0.077	2.665
R04-H-SER-P	0.378	< 0.2		1.035	2.374	6.200	0.823	0.000	0.004	1.415	0.326	6.272

Sample Name	Mn <sup>2+</sup> (mg/l)	NH <sub>4</sub> <sup>+</sup> (mg/l)		Cl <sup>-</sup> (mmol(eq)/l)	SO <sub>4</sub> <sup>2-</sup> (mmol(eq)/l)	HCO <sub>3</sub> <sup>-</sup> (mmol(eq)/l)	NO <sub>3</sub> <sup>-</sup> (mmol(eq)/l)	NO <sub>2</sub> <sup>-</sup> (mmol(eq)/l)	HP0 <sub>4</sub> <sup>2-</sup> (mmol(eq)/l)	Na <sup>+</sup> (mmol(eq)/l)	K <sup>+</sup> (mmol(eq)/l)	Ca <sup>2+</sup> (mmol(eq)/l)
R04-F-SRO-1	0.007	< 0,2		0.237	0.079	2.500	0.168	0.000	0.000	0.507	0.143	2.156
R04-W-TAR-2	0.012	< 0,2		1.601	0.551	3.738	2.739	0.000	0.000	1.629	1.765	2.979
R04-W-TCH-1	0.01056	< 0,2		0.131	0.000	0.500	0.164	0.000	0.013	0.205	0.103	0.367
R04-W-TKK-1	0.0116	< 0,2		0.246	0.039	1.250	0.243	0.000	0.000	0.487	0.134	0.791
R04-F-TOM-2	0.039	< 0,2		0.107	0.158	4.535	0.000	0.000	0.013	0.482	0.097	2.475
R04-H-VAN-1	0.01233	< 0,2		0.062	0.023	2.000	0.000	0.000	0.009	0.663	0.095	0.361
R04-H-WARI-P	0.549	< 0,2		1.969	1.139	6.300	0.237	0.000	0.018	1.582	0.148	3.458
R04-H-WER-2	0.051	< 0,2		0.721	0.160	3.050	0.828	0.000	0.000	0.900	0.091	2.964
R04-W-WEWE-2	0.023	< 0,2		0.130	0.040	0.750	0.000	0.000	0.000	0.338	0.069	0.456

Sample Name	Mg <sup>2+</sup> (mmol(eq)/l)	Fe <sup>2+</sup> (mmol(eq)/l)	Mn <sup>2+</sup> (mmol(eq)/l)	NH <sub>4</sub> <sup>+</sup> (mmol(eq)/l)	sum of cations (mmol(eq)/l)	sum of anions (mmol(eq)/l)	balance of ions (mmol(eq)/l)	balance between -15 and 15 is okay (green), others (red)
R04-W-ALF-1	1.580	0.001	0.013	0.000	5.266	5.350	-1.780917126	
R04-P-ANM-1	1.037	0.003	0.004	0.000	6.988	6.574	11.21640244	
R04-W-BANI	1.185	0.001	0.000	0.000	7.686	7.245	13.18878033	
R04-W-BDOG-1	2.674	0.001	0.001	0.000	9.692	9.329	13.79028126	
R04-W-BDOG-2	5.925	0.000	0.000	0.000	16.892	16.677	14.43487314	
R04-W-BIS-1	0.581	0.004	0.001	0.000	2.623	1.786	7.383858003	
R04-W-BODI	0.099	0.002	0.000	0.000	0.827	1.045	-0.813703328	
R04-W-BOR-2	0.314	0.003	0.001	0.000	1.780	1.804	-0.171204878	
R04-F-BRI-3	0.636	0.003	0.004	0.000	2.443	1.304	8.532738177	
R04-W-DDU-1	1.942	0.001	0.001	0.000	7.686	7.185	14.90591998	
R04-F-FOB-2	0.449	0.003	0.002	0.000	2.479	2.430	0.47795793	
R04-W-GAN-2	0.425	0.005	0.001	0.000	2.219	3.262	-11.43307604	
R04-H-GGA-1	0.147	0.001	0.001	0.000	1.263	1.048	0.996310185	
R04-W-GOS-1	0.206	0.002	0.001	0.000	1.326	1.280	0.241155063	
R04-W-GRO-1	0.839	0.001	0.002	0.000	2.774	2.522	2.659618914	
R04-W-GUE-1	0.010	0.002	0.000	0.000	0.128	0.251	-0.093305188	
R04-F-HVO-11	0.232	0.001	0.001	0.000	1.470	1.352	0.665009788	
R04-F-HVO-2	2.510	0.002	0.001	0.000	4.050	4.146	-1.581517235	
R04-F-BEL-P	1.382	0.006	0.016	0.000	5.756	5.471	6.392419151	
R04-F-HVO-7	1.070	0.001	0.005	0.000	3.252	3.531	-3.777059749	
R04-F-HVO-8	1.382	0.001	0.003	0.000	4.456	4.306	2.628973277	
R04-W-KAKI-S	0.233	0.006	0.001	0.000	1.289	1.226	0.316956183	
R04-W-KAR-2	1.810	0.003	0.001	0.000	7.554	7.254	8.867606692	
R04-W-KBG-1	0.054	0.001	0.001	0.000	0.488	0.351	0.228825705	
R04-W-KIK-6	2.014	0.001	0.001	0.000	10.981	10.916	2.844326116	
R04-H-KKP-2	0.224	0.002	0.000	0.000	1.832	1.913	-0.612129119	
R04-H-KOM-2	0.697	0.001	0.001	0.000	2.447	2.491	-0.428825096	
R04-H-KPS-P	0.592	0.003	0.001	0.000	2.730	2.651	0.844434332	
R04-F-MGR-2	0.587	0.002	0.014	0.000	3.107	2.714	4.574371091	
R04-W-MNG-2	0.100	0.001	0.000	0.000	1.627	1.381	1.479415367	
R04-P-NAL-1	0.383	0.012	0.003	0.017	2.063	2.016	0.386120283	
R04-W-OSA-1	0.396	0.003	0.001	0.000	1.529	1.357	0.99284809	
R04-W-OUT-1	0.335	0.003	0.001	0.019	2.360	2.134	2.030371853	
R04-H-OUE-1	0.708	0.001	0.005	0.000	3.611	3.674	-0.916666981	
R04-W-OUN-1	2.798	0.001	0.002	0.000	10.439	10.336	4.29068349	
R04-W-PELE-1	0.804	0.001	0.000	0.000	2.422	2.060	3.25254971	
R04-W-PEN	1.234	0.002	0.001	0.000	4.097	3.778	5.017814356	
R04-H-PTA-1	1.563	0.007	0.008	0.000	4.371	4.542	-3.060362379	
R04-H-SAS-1	1.555	0.001	0.003	0.000	4.199	3.926	4.440139455	
R04-W-SEB-7	0.823	0.001	0.000	0.000	3.661	3.131	7.206414649	
R04-H-SIN-1	1.382	0.001	0.022	0.000	4.793	4.915	-2.380116312	
R04-H-SER-P	2.518	0.002	0.014	0.000	10.547	10.436	4.637915855	

Sample Name	Mg <sup>2+</sup> (mmol(eq)/l)	Fe <sup>2+</sup> (mmol(eq)/l)	Mn <sup>2+</sup> (mmol(eq)/l)	NH <sub>4</sub> <sup>+</sup> (mmol(eq)/l)	sum of cations (mmol(eq)/l)	sum of anions (mmol(eq)/l)	balance of ions (mmol(eq)/l)	balance between -15 and 15 is okay (green), others (red)
R04-F-SRO-1	0.658	0.003	0.000	0.000	3.467	2.984	6.230683072	
R04-W-TAR-2	2.674	0.001	0.000	0.000	9.048	8.628	14.85470745	
R04-W-TCH-1	0.101	0.005	0.000	0.000	0.782	0.808	-0.083067352	
R04-W-TKK-1	0.543	0.001	0.000	0.000	1.956	1.779	1.326041339	
R04-F-TOM-2	1.876	0.003	0.001	0.000	4.934	4.813	2.367885831	
R04-H-VAN-1	0.123	0.005	0.000	0.000	1.248	2.094	-5.652909562	
R04-H-WARI-P	4.699	0.001	0.020	0.000	9.908	9.663	9.58464878	
R04-H-WER-2	0.955	0.001	0.002	0.000	4.913	4.759	2.985478483	
R04-W-WEWE-2	0.144	0.008	0.001	0.000	1.015	0.919	0.371639348	