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_2 (mg/l)	O_2 saturation (%)	el. conductivity (µS/cm)	Eh (mV)	HCO_3^- (mg/l)	CO2 mg/l	Cl^- (mg/l)	SO_4^{2-} (mg/l)	F^- (mg/l)	Br^- [mg/l]	$(NO_3)^-$ (mg/l)	NO_2^- (mg/l)
D04-W-ADJ-2	well	Adjima	393097	1009080	277.33	37.8	32.2	7.26	4.48	63.4	276	184	106.750	17.600	12.345	2.500	<0,3		44.500	<0.5
D04-W-ALF-1	well	Alafiarou	434372	997818	275.19	34.2	31.8	7.62	5.45	78.3	765	138	292.800	4.400	51.471	14.162	<0,3		93.000	2.447
D04-W-AMAK-1	well	Amadou-Kpara	432650	1023116	310.06	37.6	31.5	6.89	4.66	66	358	377	100.650	11.000	22.844	3.099	0.200		54.557	3.893
D04-H-ANM-1	handpump	Anoum	334784	1072403	436.29	35.1	30.6	6.97	4.15	58.3	254	-65	213.500	13.200	1.631	3.936	0.500		<0,5	<0.5
D04-W-B076	well	Kpakpaliki	374747	994631	337.31	39.5	29.5	7.23	3.85	53	185	225	97.600	8.800	2.682	3.501	<0,3		5.334	<0.5
D04-W-BAK-1	well	Bakou	397280	1042949	346.71	42.5	30.2	6.76	4.52	66.9	90	216	39.650	6.600	4.100	<0,5	<0,3		<0,5	<0.5
D04-W-BANI-1	well	Banigri	424768	1012407	290.01	40.7	31.2	7.82	4.48	63.8	732	273	128.100	4.400	95.600	15.600	<0,3		162.000	<0.5
D04-W-BAR-1	well	Sébou	445887	1030588	347.73	37.6	30.1	6.68	3.93	53.6	220	320	79.300	15.400	12.100	0.000	<0,3		<0,5	<0.5
D04-W-BAS-1	well	Bassila	352693	996117	380.05	34.4	27.2	7.21	3.76	51.3	516	240	228.750	13.200	22.133	12.866	0.900		31.936	4.247
D04-W-BDOG-1	well	Dogué	383221	1006210	323.64	39.9	30.4	7.04	4.43	59.8	840	148	274.500	28.600	100.662	14.155	<0,3		86.481	<0.5
D04-W-BDOG-2	well	Dogué	383034	1006505	332.35	40	28	7.43	4.24	58.8	1366	201	814.350	24.200	84.627	38.560	1.262		15.192	10.349
D04-W-BEL-1	well	Bélléfoungou	360267	1085332	414.98	35	29.1	6.72	4.22	57.6	329	170	173.850	24.200	16.300	10.100	<0,3		0.000	<0.5
D04-W-BG-2	well	Bougou	348818	1043556	434.37	34.1	29.3	5.97	4.41	56.5	55	206	30.500	19.800	1.467	<0,5	<0,3		1.887	<0.5
D04-W-BIS-1	well	Bio-Sikka	407222	1079943	339.63	43.1	29.7	6.66	4.69	63	206	195	118.950	15.400	4.156	0.960	<0,3		<0,5	<0.5
D04-W-BNO-1	well	Bariénou	365125	1074246	412.08	39.7	30.7	7.13	4.97	69.2	173	223	94.550	8.800	3.672	1.477	<0,3		<0,5	<0.5
D04-W-BODI	well	Bodi	342672	1036773	414.74	34.2	29.6	6.37	4.53	62	51	225	30.500	8.800	2.443	2.484	<0,3		<0,5	<0.5
D04-W-BOK-1	well	Boko	458891	1049142	365.21	42.1	30.6	6.53	5.46	76.5	373	193	122.000	17.600	23.532	7.732	<0,3		51.820	<0.5
D04-W-BOR-1	well	Bori	438768	1077536	327.16	42.8	29.6	7.05	5.2	70.5	156	198	79.300	8.800	4.479	3.976	<0,3		<0,5	<0.5
D04-W-BRI-1	well	Birni	338520	1104741	418.12	34.8	30.2	5.51	3.88	54	39	214	18.300	15.400	4.754	3.460	<0,3		3.049	<0.5
D04-W-BUV-1	well	Djougou	354286	1072507	434.16	35.8	30.4	6.88	4.1	56.7	131	201	70.150	13.200	2.247	1.091	<0,3		3.911	<0.5
D04-V-CPO-1	well	Kopargo	340673	1087868	520.96	37.7	31.8	5.43	4.77	69	400	225	9.150	11.000	56.446	1.503	<0,3		103.016	<0.5
D04-W-DAC-1	well	Dampoco	326704	1074591	472	36.6	26.6	7.35	4.76	66.5	142	169	54.900	66.000	8.029	3.737	<0,3		11.073	<0.5
D04-W-DAR-1	well	Daringa	393970	1045257	366.95	40.6	30.7	8.03	5.38	75	487	172	122.000	4.400	37.482	16.805	<0,3		66.028	<0.5
D04-W-DDU-1	well	Dendougou	360617	1076428	397.96	36.2	28.6	7.1	4.5	82.3	300	325	158.600	13.200	17.256	11.196	<0,3		<0,5	<0.5
D04-W-DJO-1	well	Djougou	355561	1072978	431.46	40.9	30.7	7.76	5.27	74.9	177	131	94.550	4.400	5.729	7.989	<0,3		0.994	<0.5
D04-W-DPN-1	well	Diapani	349991	1004439	403.26	34.7	30.3	6.64	3.84	53.7	150	260	85.400	15.400	1.514	2.764	<0,3		<0,5	<0.5
D04-W-FAR-1	well	Farouékou	386152	1126314	424.7	41.2	29.7	7.07	4.81	66.5	226	159	125.050	8.800	5.215	1.648	<0,3		0.917	<0.5
D04-W-FOB-1	well	Fô-Bouko	425763	1118313	364.3	39.3	29.9	5.95	5.15	67.2	109	213	33.550	15.400	3.800	2.300	<0,3		25.000	<0.5
D04-W-FOR-1	well	Fô-Bouré	434013	1118014	386.94	37.5	30.6	6.47	4.73	66	150	182	76.250	15.400	4.662	0.691	<0,3		6.504	<0.5
D04-W-GAN-2	well	Gangamou	371950	1089793	397.78	40.9	32.7	7.6	5.22	76.2	287	198	167.750	8.800	10.451	3.289	<0,3		<0,5	<0.5
D04-W-IGER-2	dug hole	Igbéré	385759	993955	328.28	39.2	29.6	7.55	4.21	58	703	210	405.650	11.000	15.274	36.172	0.950		33.320	<0.5
D04-F-GGA-1	footpump	Gaouga	384571	1077531	357.34	43.1	30.6	6.17	4.62	65.7	113	224	64.050	30.800	1.293	<0,5	<0,3		<0,5	<0.5
D04-W-GOS-1	well	Gosso Deux	396533	1077975	346.75	44.4	32	6.6	4.85	68.6	68	196	54.900	11.000	0.975	1.554	<0,3		<0,5	<0.5
D04-W-GUE-1	well	Guessou-Sud	461405	1109699	389.3	35.3	30.9	5.5	5.1	71.7	11	163	6.100	6.600	1.554	<0,5	<0,3		<0,5	<0.5
D04-P-GWB-3	piezometer	Dogué	383870	1006510	317.69	34.4	28.8	7.3	4.51	60	170	270	103.700	33.000	6.599	11.228	<0,3		3.972	1.596
D04-W-INA-2	well	Ina	470122	1101982	375.96	34.9	29.9	5.7	4.8	66	42	240	21.350	11.000	7.000	1.300	<0,3		2.100	<0.5
D04-W-KAKI	well	Kika	412244	1020245	281.9	37.6	33.6	7.55	4.84	72	299	230	73.200	4.400	19.188	2.411	1.200		<0,5	<0.5
D04-H-KAR-1	handpump	Kori	444818	1100288	324.61	41.2	31.7	6.81	4.41	64	865	227	213.500	22.000	77.200	43.400	<0,3		120.000	<0.5
D04-W-KIK-6	well	Kikélé	360482	996377	377.16	33.2	28.3	7.5	4.97	66.7	907	279	469.700	15.400	36.512	25.151	0.830		27.771	<0.5
D04-W-KKP-1	well	Kenoukpanou	445217	1003464	323.54	32.3	29.2	7.59	5.74	78.5	321	186	122.000	8.800	17.186	2.740	0.300		<0,5	<0.5
D04-W-KOL-1	well	Kolokondé	366491	1093770	420.99	36.1	30.2	6.51	4.5	62	363	158	33.550	17.600	38.567	1.983	<0,3		105.465	1.130
D04-W-KPS-1	well	Kpéssou	409986	1028067	325.2	34.4	29.3	6.8	4.37	58.9	157	245	94.550	13.200	2.439	1.499	<0,3		<0,5	<0.5
D04-W-KTB-1	well	Kataban	338739	1095542	435.15	42.4	31.7	6.68	4.43	63	142	53	27.450	11.000	12.606	0.000	<0,3		0.000	<0.5
D04-W-MGR-1	well	Marégourou	439357	1083718	303.82	29.8	30.2	7.21	4.83	66	210	210	109.800	4.400	7.031	<0,5	<0,3		<0,5	<0.5
D04-W-MNG-2	well	Manigri	359440	992278	389.92	42.3	32.3	7.42	5.25	74.9	120	299	54.900	13.200	5.431	2.728	<0,3		<0,5	<0.5
D04-W-MON-1	well	Moné	373541	1075291	386.85	41.2	30.9	6.21	4.83	68	112	257	42.700	15.400	4.800	2.300	<0,3		25.000	3.863
D04-W-NDA-1	well	N'Dali	469044	1089566	400.9	34.2	30.1	6.5	5.27	73.5	122	61	73.200	13.200	1.483	1.943	<0,3		<0,5	<0.5
D04-W-NGY-1	well	Nagayile	342296	1030692	435.8	34	28.4	6.1	4.48	60.9	153	50	27.450	17.600	1.486	2.429	<0,3		<0,5	<0.5
D04-W-OSA-1	well	Wassa	349599	1063068	436.38	38.9	30.2	7.3	4.6	64	272	179	173.850	11.000	2.493	3.152	<0,3		<0,5	<0.5
D04-W-OUB-1	well	Ouberou	415582	1018124	288.55	37.6	30.9	7.43	5.26	76.3	216	301	128.100	6.600	5.962	0.829	<0,3		<0,5	<0.5
D04-W-OUN-1	well	Wannou	460079	1082047	368.8	35.4	31	6.22	4.45	62.2	202	173	54.900	24.200	7.389	0.994	<0,3		30.177	<0.5
D04-W-OUK-1	well	Waké	322912	1068577	411	36.9	30.9	6.94	4.61	64.7	161	164	61.000	6.600	10.588	1.443	<0,3		15.774	<0.5
D04-W-PAP-1	well	Afakpara	365788	1062175	396.33	48	35.7	7.21	5.17	78.8	111	195	54.900	4.400	2.375	1.296	<0,3		<0,5	<0.5
D04-W-PAP-2	well	Partago	379998	1054149	399.64	44.5	33.2	6.46	5.06	73.4	46	201	30.500	8.800	1.337	<0,5	<0,3		<0,5	<0.5
D04-W-PELE-1	well	Pélébina	350353	1047339	433.84	32.6	28.6	6.7	4.41	59.9	441	196	79.300	15.400	37.524	8.087	<0,3		97.231	<0.5
D04-W-PEN	well	Pénéssoulou	340817	1022222	396.14	38.5	27.6	6.36	4.27	56.8	339	211	76.250	24.200	50.000	6.300	<0,3		<0,5	<0.5
D04-H-PPC-1	handpump	Peulh Camp	453920	1079112	338.02	34.2	29.5	6.93	3.03	41.2	374	106	225.700	22.000	1.271	1.202	0.300		<0,5	<0.5
D04-H-PTA-1	handpump	Partago	332360	1031266	430.36	36.7	30.5	6.68	3.56	48	692	161	286.700	28.600	43.662	72.721	<0,3		15.311	2.129
D04-F-SAS-1	footpump	Sinaourarou	394435	1129368	385.17	38.8	31	6.9	2.86	40.02	360	206	201.300	17.600	3.177	<0,5	<0,3		<0,5	<0.5
D04-W-SER-2	well	Sérou	357188	1069110	419.54	36.4	32.5	7.7	5.1	73.6	266	171	152.500	8.800	3.039	1.076	<0,3		3.017	<0.5
D04-F-SIN-1	footpump	Sinaou	411788	1123427	363.02	40.5	27.8	6.86	3.81	38	435	235	225.700	17.600	12.626	5.848	<0,3		<0,5	15.753
D04-W-SIR-1	well	Sérarou	461112	1059892	346.96	28	28.2	7.01	5.93	80	240	192	149.450	13.200	2.619	<0,5	<0,3		<0,5	<0.5
D04-W-SON-1	well	Sonoumon	420434	1079934	377.71	42.1	30.8	6.13	4.08	57.2	1725	236	201.300	35.200	143.899	20.293	<0,3		648.769	<0.5
D04-H-SRO-1	handpump	Sirou	447871	1109470	369.51	35	30.8	6.34	4.02	57	427	224	173.850	39.600	20.348	10.635	<0,3		40.464	<0.5
D04-W-SSA-1	well	Sassa	381876	1115522	401.87	37.3	30.2	6.39	5.01	69.7	85	28	54.900	13.200	3.981	0.948	<0,3		5.784	<0.5
D04-W-TAR-2	well	Tamarou	466791	1076529	382.03	30.1	27	6.84	5.3	73.2	306	188	97.600	13.200	17.302	3.606	<0,3		35.560	<0.5
D04-W-TCH-1	well	Tchatchou	451119	1009028	369.18	36.1	30.3	6.71	4.85	68.3	130	205	57.950	8.800	5.700	2.800	<0,3		8.700	<0.5
D04-W-TKK-1	well	Tanéka-Koko	335179	1090133	455.07	29.3	28.2	6.6	4.89	66.2	161	214	82.350	8.800	3.793	1.882	<0,3		1.694	<0.5
D04-W-TOK-1	well	Tokotoko	390872	1076257	357.37	43.6	34.4	6.64	4.47	65.5	139	239	73.200	17.600	2.603	3.850	<0,3		<0,5	<0.5
D04-F-TOM-2	footpump	Toumé	440924	1114672	357.77	36.9	28.3	7.03	1.8	23.9	429	184	265.350	17.600	2.051	7.140	<0,3		<0,5	<0.5
D04-W-TOR-1	well	Tourou	450307	1032769	366.98	37.6	31.8	6	4.22	53.2	225	345	45.750	33.000	14.831	8.399	<0,3		56.366	<0.5
D04-W-TRI-1	well	Tori	397626	1126050	358.22	34.3	28.8	7.74	4.56	61.3	365	215	213.500	4.400	6.778	1.319	<0,3		3.765	<0.5
D04-W-WARI-1	well	Wari-Maro	407711	1013475	309.81	34.8	30.2	7.45	4.61	61.3	774	323	366.000	17.600	35.963	39.120	0.300		79.511	<0.5
D04-F-WER-2	footpump	Wéréké	447384	1076334	311.85	40	29.4	6.72	3.15	42.6	459	195	170.800	30.800	22.483	6.002	0.520		41.715	<0.5
D04-W-WEWE-2	well	Wéwé	402574	1038088	312.18	47.6	30	6.9	4.89	68	211	213	131.150	17.600	2.700	<0,5	<0,3		<0,5	<0.5
D04-W-YAR-1	dug hole	Yarakéou	342953	1057913	455.68	34.6	29.6	6.72	5.7	78.4	94	218	42.700	8.800	5.712	7.990	<0,3		0.949	<0.5

Sample Name	PO$_4^{3-}$ (mg/l)	SiO$_2$ (mg/l)	Na$^+$ (mg/l)	K$^+$ (mg/l)	Ca^{2+} (mg/l)	Mg^{2+} (mg/l)	Sr^{2+} (mg/l)	Fe^{2+} (mg/l)	Mn^{2+} (mg/l)	NH$_4^+$ (mg/l)		Cl$^-$ (mmol(eq)/l)	SO$_4^{2-}$ (mmol(eq)/l)	HCO$_3^-$ (mmol(eq)/l)	NO$_3^-$ (mmol(eq)/l)	NO$_2^-$ (mmol(eq)/l)	HPO$_4^{2-}$ (mmol(eq)/l)	Na$^+$ (mmol(eq)/l)	K$^+$ (mmol(eq)/l)	Ca^{2+} (mmol(eq)/l)	Mg^{2+} (mmol(eq)/l)	Fe^{2+} (mmol(eq)/l)
D04-W-ADJ-2	0.625	34.938	16.450	2.070	36.900	6.510	0.420	0.040	0.034	0.125		0.348	0.052	1.750	0.718	0.000	0.013	0.716	0.053	1.841	0.536	0.001
D04-W-ALF-1	0.780	29.438	37.440	8.490	80.400	31.200	0.990	0.032	0.082	0.425		1.452	0.295	4.800	1.500	0.000	0.016	1.629	0.217	4.012	2.567	0.001
D04-W-AMAK-1	0.835	25.125	10.600	5.860	50.960	7.150	0.710	0.036	0.006	0.385		0.644	0.065	1.650	0.880	0.000	0.017	0.461	0.150	2.543	0.588	0.001
D04-H-ANM-1	0.825	35.563	23.190	5.190	26.510	8.260	0.130	1.280	0.050	0.690		0.046	0.082	3.500	0.000	0.000	0.017	1.009	0.133	1.323	0.680	0.046
D04-W-B076	0.460	19.625	4.520	3.700	31.720	2.410	0.150	0.195	0.036	0.550		0.076	0.073	1.600	0.086	0.000	0.010	0.197	0.095	1.583	0.198	0.007
D04-W-BAK-1	1.085	25.750	9.050	4.000	7.900	1.050	0.060	0.032	0.016	0.585		0.116	0.000	0.650	0.000	0.000	0.023	0.394	0.102	0.394	0.086	0.001
D04-W-BANI-1	0.740	36.500	55.680	20.490	67.800	22.160	0.960	0.090	0.024	0.430		2.697	0.325	2.100	2.614	0.000	0.015	2.422	0.524	3.383	1.823	0.003
D04-W-BAR-1	2.175	34.625	17.860	5.540	18.710	3.970	0.370	0.153	0.034	0.820		0.341	0.000	1.300	0.000	0.000	0.045	0.777	0.142	0.934	0.327	0.005
D04-W-BAS-1	0.635	32.313	33.420	28.200	39.830	19.820	0.590	0.060	0.034	0.400		0.624	0.268	3.750	0.515	0.000	0.013	1.454	0.721	1.988	1.631	0.002
D04-W-BDOG-1	0.995	34.938	62.340	9.990	72.400	33.210	2.380	0.045	0.028	0.200		2.840	0.295	4.500	1.395	0.000	0.021	2.712	0.255	3.613	2.733	0.002
D04-W-BDOG-2	0.900	38.000	137.580	13.220	83.600	78.840	2.970	0.002	<0,002	0.400		2.387	0.803	13.350	0.245	0.000	0.019	5.984	0.338	4.172	6.488	0.000
D04-W-BEL-1	0.685	38.813	10.390	5.050	39.300	21.060	0.510	0.031	0.126	0.750		0.460	0.210	2.850	0.000	0.000	0.014	0.452	0.129	1.961	1.733	0.001
D04-W-BG-2	0.275	10.875	2.810	1.920	6.680	1.380	<0.025	0.062	0.032	0.550		0.041	0.000	0.500	0.030	0.000	0.006	0.122	0.049	0.333	0.114	0.002
D04-W-BIS-1	1.865	42.563	15.660	4.000	22.900	6.270	0.360	0.092	0.061	0.250		0.117	0.020	1.950	0.000	0.000	0.039	0.681	0.102	1.143	0.516	0.003
D04-W-BNO-1	1.855	32.313	13.770	3.520	15.190	4.980	0.150	0.075	0.036	0.225		0.104	0.031	1.550	0.000	0.000	0.039	0.599	0.090	0.758	0.410	0.003
D04-W-BODI	0.420	18.688	6.510	2.130	5.100	1.590	<0.025	0.048	0.035	0.260		0.069	0.052	0.500	0.000	0.000	0.009	0.283	0.054	0.254	0.131	0.002
D04-W-BOK-1	1.710	47.563	31.560	6.940	29.340	8.150	0.630	0.027	0.112	0.605		0.664	0.161	2.000	0.836	0.000	0.036	1.373	0.177	1.464	0.671	0.001
D04-W-BOR-1	1.905	38.375	18.090	3.270	15.600	1.850	0.340	0.094	0.050	<0,1		0.126	0.083	1.300	0.000	0.000	0.040	0.787	0.084	0.778	0.152	0.003
D04-W-BRI-1	0.250	7.475	4.120	2.100	4.010	0.900	<0.025	0.226	0.027	0.810		0.134	0.072	0.300	0.049	0.000	0.005	0.179	0.054	0.200	0.074	0.008
D04-W-BUV-1	0.540	26.688	8.730	2.720	17.300	2.190	0.050	0.048	0.069	0.475		0.063	0.023	1.150	0.063	0.000	0.011	0.380	0.070	0.863	0.180	0.002
D04-W-CPO-1	0.250	10.550	50.500	39.140	10.600	3.570	0.260	0.063	0.255	0.585		1.592	0.031	0.150	1.662	0.000	0.005	2.197	1.001	0.529	0.294	0.002
D04-W-DAC-1	2.030	22.875	15.480	2.580	10.960	2.070	<0.025	0.095	0.012	1.075		0.226	0.078	0.900	0.179	0.000	0.042	0.673	0.066	0.547	0.170	0.003
D04-W-DAR-1	1.060	31.938	16.710	14.340	51.000	7.520	1.490	0.042	0.010	0.820		1.057	0.350	2.000	1.065	0.000	0.022	0.727	0.367	2.545	0.619	0.002
D04-W-DDU-1	0.820	40.938	19.820	6.070	30.990	9.730	0.370	0.318	0.022	1.285		0.487	0.233	2.600	0.000	0.000	0.017	0.862	0.155	1.546	0.801	0.011
D04-W-DJO-1	0.715	27.438	12.710	4.470	24.020	2.620	0.110	0.104	0.026	0.190		0.162	0.166	1.550	0.016	0.000	0.015	0.553	0.114	1.199	0.216	0.004
D04-W-DPN-1	0.560	20.250	4.160	2.690	24.670	2.600	0.320	0.040	0.104	0.190		0.043	0.058	1.400	0.000	0.000	0.012	0.181	0.069	1.231	0.214	0.001
D04-W-FAR-1	0.540	25.438	9.320	2.980	32.030	6.260	0.210	0.044	0.044	0.240		0.147	0.034	2.050	0.015	0.000	0.011	0.405	0.076	1.598	0.515	0.002
D04-W-FOB-1	0.560	18.438	5.540	5.880	10.200	3.150	0.030	0.078	0.042	0.690		0.107	0.048	0.550	0.403	0.000	0.012	0.241	0.150	0.509	0.259	0.003
D04-W-FOR-1	1.275	37.313	12.590	5.910	14.350	2.320	0.140	0.062	0.017	0.675		0.132	0.014	1.250	0.105	0.000	0.027	0.548	0.151	0.716	0.191	0.002
D04-W-GAN-2	1.300	41.500	16.760	5.840	31.750	11.150	0.220	0.090	1.747	0.660		0.295	0.068	2.750	0.000	0.000	0.027	0.729	0.149	1.584	0.918	0.003
D04-W-IGER-2	2.110	29.813	61.680	3.190	68.400	31.830	1.580	0.047	0.054	0.845		0.431	0.753	6.650	0.538	0.000	0.044	2.683	0.082	3.413	2.619	0.002
D04-F-GGA-1	0.685	28.688	12.500	5.850	7.990	1.120	0.280	0.047	0.253	0.375		0.036	0.000	1.050	0.000	0.000	0.014	0.544	0.150	0.399	0.092	0.002
D04-W-GOS-1	0.475	24.225	9.070	3.360	7.890	1.890	0.050	0.041	0.026	0.450		0.028	0.000	0.900	0.000	0.000	0.010	0.395	0.086	0.394	0.156	0.001
D04-W-GUE-1	< 0,2	4.725	2.630	0.620	0.700	0.210	<0.025	0.184	0.015	1.000		0.044	0.000	0.100	0.000	0.000	0.000	0.114	0.016	0.035	0.017	0.007
D04-P-GWB-3	2.050	49.125	20.020	5.660	15.760	2.690	0.290	0.882	0.065	2.050		0.186	0.234	1.700	0.064	0.000	0.043	0.871	0.145	0.786	0.221	0.032
D04-W-INA-2	0.640	8.150	5.080	4.110	1.740	0.470	<0.025	0.101	0.036	0.825		0.197	0.027	0.350	0.034	0.000	0.013	0.221	0.105	0.087	0.039	0.004
D04-W-KAKI	2.035	54.438	21.680	3.550	26.600	7.240	0.590	0.043	0.070	0.300		0.541	0.050	1.200	0.000	0.000	0.042	0.943	0.091	1.327	0.596	0.002
D04-H-KAR-1	1.625	37.938	46.440	7.640	81.200	32.320	1.420	0.014	0.491	0.440		2.178	0.904	3.500	1.936	0.000	0.034	2.020	0.195	4.052	2.660	0.001
D04-W-KIK-6	0.780	21.938	91.140	86.000	41.200	20.840	1.500	0.085	0.028	1.400		1.030	0.524	7.700	0.448	0.000	0.016	3.964	2.199	2.056	1.715	0.003
D04-W-KKP-1	1.600	47.063	29.520	5.110	27.000	6.360	0.310	0.134	0.031	0.678		0.485	0.057	2.000	0.000	0.000	0.033	1.284	0.131	1.347	0.523	0.005
D04-W-KOL-1	0.515	18.188	20.520	10.410	17.960	16.780	0.490	0.035	0.162	0.250		1.088	0.041	0.550	1.702	0.000	0.011	0.893	0.266	0.896	1.381	0.001
D04-W-KPS-1	1.565	49.000	16.560	4.760	15.730	1.630	0.130	0.060	0.018	0.450		0.069	0.031	1.550	0.000	0.000	0.033	0.720	0.122	0.785	0.134	0.002
D04-W-KTB-1	1.435	29.000	15.610	7.490	8.300	0.880	0.010	0.053	0.017	0.535		0.356	0.000	0.450	0.000	0.000	0.030	0.679	0.192	0.414	0.072	0.002
D04-W-MGR-1	1.855	44.813	19.410	4.030	20.020	4.080	0.290	0.054	0.052	0.370		0.198	0.000	1.800	0.000	0.000	0.039	0.844	0.103	0.999	0.336	0.002
D04-W-MNG-2	0.995	26.938	15.550	1.860	10.400	0.750	0.130	0.037	0.007	0.250		0.153	0.057	0.900	0.000	0.000	0.021	0.676	0.048	0.519	0.062	0.001
D04-W-MON-1	1.010	42.875	14.710	4.120	6.600	2.290	0.100	0.028	0.015	0.000		0.135	0.048	0.700	0.403	0.000	0.021	0.640	0.105	0.329	0.188	0.001
D04-W-NDA-1	1.490	37.625	12.510	5.550	11.250	1.300	0.110	0.296	0.040	0.210		0.042	0.040	1.200	0.000	0.000	0.031	0.544	0.142	0.561	0.107	0.011
D04-W-NGY-1	0.250	8.600	3.080	1.190	7.240	0.550	<0.025	0.216	0.056	0.260		0.042	0.051	0.450	0.000	0.000	0.005	0.134	0.030	0.361	0.045	0.008
D04-W-OSA-1	0.995	37.938	14.790	3.570	27.930	11.480	0.160	0.034	0.028	0.225		0.070	0.066	2.850	0.000	0.000	0.021	0.643	0.091	1.394	0.945	0.001
D04-W-OUB-1	1.150	51.625	18.400	3.590	24.720	3.800	0.190	0.122	0.291	0.625		0.168	0.017	2.100	0.000	0.000	0.024	0.800	0.092	1.234	0.313	0.004
D04-W-OUN-1	0.250	37.875	14.700	10.010	17.700	1.920	0.460	0.061	0.015	0.275		0.208	0.021	0.900	0.487	0.000	0.005	0.639	0.256	0.883	0.158	0.002
D04-W-OUK-1	1.185	26.688	14.190	3.330	13.970	3.020	0.170	0.104	0.027	0.490		0.299	0.030	1.000	0.255	0.000	0.025	0.617	0.085	0.697	0.249	0.004
D04-W-PAP-1	1.125	28.563	7.840	3.400	9.860	3.130	0.080	0.047	0.023	1.015		0.067	0.027	0.900	0.000	0.000	0.023	0.341	0.087	0.492	0.258	0.002
D04-W-PAP-2	0.740	25.250	7.740	3.320	3.320	0.280	<0.025	0.028	0.012	0.450		0.038	0.000	0.500	0.000	0.000	0.015	0.337	0.085	0.166	0.023	0.001
D04-W-PELE-1	0.825	37.313	24.630	4.670	41.550	12.530	1.490	0.043	0.042	0.275		1.058	0.168	1.300	1.569	0.000	0.017	1.071	0.119	2.073	1.031	0.002
D04-W-PEN	0.875	33.188	19.440	3.990	28.400	11.850	0.450	0.041	0.062	0.175		1.410	0.131	1.250	0.000	0.000	0.018	0.846	0.102	1.417	0.975	0.001
D04-H-PPC-1	1.230	32.875	21.740	5.530	51.100	9.010	0.520	0.123	0.285	0.118		0.036	0.025	3.700	0.000	0.000	0.026	0.946	0.141	2.550	0.741	0.004
D04-H-PTA-1	1.150	26.813	41.100	6.230	61.710	37.920	1.080	0.013	0.042	0.500		1.232	1.514	4.700	0.247	0.000	0.024	1.788	0.159	3.079	3.120	0.000
D04-F-SAS-1	1.035	47.125	12.760	5.820	37.550	17.160	0.340	0.010	0.086	0.000		0.090	0.000	3.300	0.000	0.000	0.022	0.555	0.149	1.874	1.412	0.000
D04-W-SER-2	1.475	43.063	17.170	5.810	31.740	7.330	0.180	0.116	0.052	0.500		0.086	0.022	2.500	0.049	0.000	0.031	0.747	0.149	1.584	0.603	0.004
D04-F-SIN-1	0.675	37.813	15.040	2.870	54.900	17.600	0.610	0.022	0.706	0.685		0.356	0.122	3.700	0.000	0.000	0.014	0.654	0.073	2.740	1.448	0.001
D04-W-SIR-1	1.325	40.938	15.370	5.350	24.110	6.910	0.260	0.031	0.012	1.015		0.074	0.000	2.450	0.000	0.000	0.028	0.669	0.137	1.203	0.569	0.001
D04-H-SON-1	1.025	30.250	95.880	18.000	180.000	58.500	6.800	0.023	0.184	0.535		4.059	0.422	3.300	10.467	0.000	0.021	4.171	0.460	8.982	4.814	0.001
D04-H-SRO-1	1.760	37.938	13.440	6.640	58.910	13.260	0.490	0.017	0.007	0.660		0.574	0.221	2.850	0.653	0.000	0.037	0.585	0.170	2.940	1.091	0.001
D04-W-SSA-1	0.375	19.063	7.460	1.810	8.430	2.510	0.060	0.745	0.278	0.685		0.112	0.020	0.900	0.093	0.000	0.008	0.324	0.046	0.421	0.207	0.027
D04-W-TAR-2	1.855	41.500	16.800	5.900	26.650	9.820	0.390	0.054	0.024	0.585		0.488	0.075	1.600	0.574	0.000	0.039	0.731	0.151	1.330	0.808	0.002
D04-W-TCH-1	0.565	19.125	7.410	5.950	16.400	1.460	0.070	0.204	0.049	0.775		0.161	0.058	0.950	0.140	0.000	0.012	0.322	0.152	0.818	0.120	0.007
D04-W-TKK-1	0.635	26.188	10.850	3.740	15.300	5.130	<0.025	0.073	0.012	0.480		0.107	0.039	1.350	0.027	0.000	0.013	0.472	0.096	0.763	0.422	0.003
D04-W-TOK-1	1.365	30.250	11.690	3.860	16.360	1.970	0.090	0.077	0.014	0.300		0.073	0.080	1.200	0.000	0.000	0.028	0.508	0.099	0.816	0.162	0.003
D04-F-TOM-2	1.965	41.813	10.030	3.870	50.550	25.880	0.160	0.042	0.041	0.340		0.058	0.149	4.350	0.000	0.000	0.041	0.436	0.099	2.522	2.130	0.002
D04-W-TOR-1	0.435	19.250	13.010	12.080	19.990	5.170	0.260	0.058	0.015	0.340		0.418	0.175	0.750	0.909	0.000	0.009	0.566	0.309	0.998	0.425	0.002
D04-W-TRI-1	1.285	34.000	15.990	2.680	36.220	19.700	0.550	0.014	0.008	0.200		0.191	0.027	3.500	0.061	0.000	0.027	0.696	0.069	1.807	1.621	0.001
D04-W-WARI-1	1.065	32.438	40.620	4.930	79.800	42.800	1.540	0.021	0.065	0.260		1.014	0.814	6.000	1.283	0.000	0.022	1.767	0.126	3.982	3.522	0.001
D04-F-WER-2	1.150	38.250	22.560	3.290	59.000	11.530	0.600	0.015	0.110	0.825		0.634	0.125	2.800	0.673	0.000	0.024	0.981	0.084	2.944	0.949	0.001
D04-W-WEWE-2	1.895	43.500	17.780	4.380	22.700	5.410	0.250	0.033	0.055	0.680		0.076	0.000	2.150	0.000	0.000	0.040	0.773	0.112	1.133	0.445	0.001
D04-W-YAR-1	1.260	31.188	13.790	3.110	7.110	1.870	0.090	0.224	0.052	0.550		0.161	0.166	0.700	0.015	0.000	0.026	0.600	0.080	0.355	0.154	0.008

Sample Name	Mn²⁺ (mmol(eq)/l)	NH₄⁺ (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)
D04-W-ADJ-2	0.001	0.007	3.16	2.88	3.31	
D04-W-ALF-1	0.003	0.024	8.45	8.06	12.85	
D04-W-AMAK-1	0.000	0.021	3.77	3.26	7.14	
D04-H-ANM-1	0.002	0.038	3.23	3.65	-5.71	
D04-W-B076	0.001	0.030	2.11	1.84	2.11	
D04-W-BAK-1	0.001	0.032	1.01	0.79	0.80	
D04-W-BANI-1	0.001	0.024	8.18	7.75	13.70	
D04-W-BAR-1	0.001	0.045	2.23	1.69	4.27	
D04-W-BAS-1	0.001	0.022	5.82	5.17	14.25	
D04-W-BDOG-1	0.001	0.011	9.33	9.05	10.15	
D04-W-BDOG-2	0.000	0.022	17.00	16.80	13.52	
D04-W-BEL-1	0.005	0.042	4.32	3.53	12.38	
D04-W-BG-2	0.001	0.030	0.65	0.58	0.18	
D04-W-BIS-1	0.002	0.014	2.46	2.13	3.08	
D04-W-BNO-1	0.001	0.012	1.87	1.72	1.08	
D04-W-BODI	0.001	0.014	0.74	0.63	0.30	
D04-W-BOK-1	0.004	0.034	3.72	3.70	0.40	
D04-W-BOR-1	0.002	0.000	1.81	1.55	1.73	
D04-W-BRI-1	0.001	0.045	0.56	0.56	0.00	
D04-W-BUV-1	0.003	0.026	1.52	1.31	1.21	
D04-W-CPO-1	0.009	0.032	4.06	3.44	9.36	
D04-W-DAC-1	0.000	0.060	1.52	1.43	0.56	
D04-W-DAR-1	0.000	0.045	4.30	4.49	-3.34	
D04-W-DDU-1	0.001	0.071	3.45	3.34	1.50	
D04-W-DJO-1	0.001	0.011	2.10	1.91	1.50	
D04-W-DPN-1	0.004	0.011	1.71	1.51	1.28	
D04-W-FAR-1	0.002	0.013	2.61	2.26	3.45	
D04-W-FOB-1	0.002	0.038	1.20	1.12	0.38	
D04-W-FOR-1	0.001	0.037	1.65	1.53	0.75	
D04-W-GAN-2	0.064	0.037	3.48	3.14	4.55	
D04-W-IGER-2	0.002	0.047	8.85	8.42	14.91	
D04-F-GGA-1	0.009	0.021	1.22	1.10	0.53	
D04-W-GOS-1	0.001	0.025	1.06	0.94	0.48	
D04-W-GUE-1	0.001	0.055	0.25	0.14	0.08	
D04-P-GWB-3	0.002	0.114	2.17	2.23	-0.49	
D04-W-INA-2	0.001	0.046	0.50	0.62	-0.27	
D04-W-KAKI	0.003	0.017	2.98	1.83	11.01	
D04-H-KAR-1	0.018	0.024	8.97	8.55	14.66	
D04-W-KIK-6	0.001	0.078	10.02	9.72	11.77	
D04-W-KKP-1	0.001	0.038	3.33	2.58	8.90	
D04-W-KOL-1	0.006	0.014	3.46	3.39	0.89	
D04-W-KPS-1	0.001	0.025	1.79	1.68	0.74	
D04-W-KTB-1	0.001	0.030	1.39	0.84	2.46	
D04-W-MGR-1	0.002	0.021	2.31	2.04	2.34	
D04-W-MNG-2	0.000	0.014	1.32	1.13	0.93	
D04-W-MON-1	0.001	0.000	1.26	1.31	-0.22	
D04-W-NDA-1	0.001	0.012	1.38	1.31	0.35	
D04-W-NGY-1	0.002	0.014	0.60	0.55	0.11	
D04-W-OSA-1	0.001	0.012	3.09	3.01	0.99	
D04-W-OUB-1	0.011	0.035	2.49	2.31	1.71	
D04-W-OUN-1	0.001	0.015	1.95	1.62	2.38	
D04-W-OUK-1	0.001	0.027	1.68	1.61	0.47	
D04-W-PAP-1	0.001	0.056	1.24	1.02	0.99	
D04-W-PAP-2	0.000	0.025	0.64	0.55	0.20	
D04-W-PELE-1	0.002	0.015	4.31	4.11	3.38	
D04-W-PEN	0.002	0.010	3.35	2.81	6.70	
D04-H-PPC-1	0.010	0.007	4.40	3.79	10.04	
D04-H-PTA-1	0.002	0.028	8.18	7.72	14.61	
D04-F-SAS-1	0.003	0.000	3.99	3.41	8.62	
D04-W-SER-2	0.002	0.028	3.12	2.69	4.98	
D04-F-SIN-1	0.026	0.038	4.98	4.19	14.45	
D04-W-SIR-1	0.000	0.056	2.63	2.55	0.87	
D04-W-SON-1	0.007	0.030	18.46	18.27	14.21	
D04-H-SRO-1	0.000	0.037	4.82	4.33	8.93	
D04-H-SSA-1	0.010	0.038	1.07	1.13	-0.27	
D04-W-TAR-2	0.001	0.032	3.05	2.78	3.26	
D04-W-TCH-1	0.002	0.043	1.47	1.32	0.80	
D04-W-TKK-1	0.000	0.027	1.78	1.54	1.63	
D04-W-TOK-1	0.001	0.017	1.61	1.38	1.34	
D04-F-TOM-2	0.001	0.019	5.21	4.60	12.00	
D04-W-TOR-1	0.001	0.019	2.32	2.26	0.53	
D04-W-TRI-1	0.000	0.011	4.20	3.81	6.38	
D04-W-WARI-1	0.002	0.014	9.41	9.13	10.40	
D04-F-WER-2	0.004	0.046	5.01	4.26	13.94	
D04-W-WEWE-2	0.002	0.038	2.50	2.27	2.28	
D04-W-YAR-1	0.002	0.030	1.23	1.07	0.73	