

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)	CO ₂ mg/l	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	F ⁻ (mg/l)	Br ⁻ [mg/l]	(NO ₃) (mg/l)	NO ₂ ⁻ (mg/l)	PO ₄ ³⁻ (mg/l)	SiO ₂ (mg/l)	Na ⁺ (mg/l)
D06-W-BDOG-1	well	Dogué	383221	1006210	323.64		27.8	6.9	2.01	26.4	873	44	237.9	22	85.6	16.9	0.33	0.44	105.3	0.3	1.1	34.45	60
D06-W-BDOG-2	well	Dogué	383034	1006505	332.35		26.9	7.01	-	-	1458	75	747.25	44	91.0	34.5	0.33	0.44	33.0	0.3	0.48	35.4	121
D06-F-BEL-P	footpump	Bélléfoungou	360267	1085332	415.71		29.1	6.91	0.65	8.9	529	72	305	22	13.8	5.4	0.33	0.44	0.3	0.3	0.44	31.95	18
D06-H-BET-P	handpump	Bétérou	420558	1017292	276		29.5	7.2	0.62	8.4	370	-31	256.2	17.6	15.6	2.9	0.33	0.44	0.7	0.3	0.29	30.75	23
D06-H-BIS-2	handpump	Bio-Sikka	406641	1079754	335.5		29.4	6.58	0.77	10.4	337	26	195.2	39.6	2.3	1.0	0.33	0.44	0.3	0.3	0.69	40	19
D06-F-HVO-11	footpump	Kolokondé	368231	1094900	432.87		30	6.03	0.87	12	178	156	146.4	30.8	3.3	2.4	0.33	0.44	0.3	0.3	1.3	37.65	14
D06-F-HVO-2	footpump	Bariénou	365564	1074180	420.73		29.8	7.08	0.76	10.6	366	76	244	22	1.3	0.6	0.33	0.44	0.3	0.3	0.65	36.45	14
D06-F-HVO-4	footpump	Bori	438147	1078043	325.73		28.3	6.09	0.7	8.72	412	15	158.6	39.6	28.5	3.5	0.33	0.44	36.4	0.3	1.52	41.8	26
D06-F-HVO-6	footpump	Warika	466115	1075122	381.89		28.6	6.16	0.8	10.6	201	78	97.6	48.4	2.8	0.7	0.33	0.44	0.3	0.3	1.26	36.25	15
D06-F-HVO-7	footpump	Tchéto	345041	1011265	394.17		29.6	6.94	0.88	12.2	392	45	244	22	2.2	4.5	0.33	0.44	0.3	0.3	0.82	39	15
D06-F-HVO-8	footpump	Djougou	350850	1072648	453.89		29.9	7.38	0.95	13.4	403	25	274.5	8.8	1.2	2.1	0.33	0.44	0.3	0.3	0.22	24.7	17
D06-H-IGB-P	handpump	Igbomakoro	380114	1003884	311.09		28	6.62	1.4	18.3	156	100	298.9	48.4	26.8	1.7	0.33	0.44	2.1	0.3	1	29.3	24
D06-W-KAKI-S	well	Kakikoka	426212	1018523	281		30.5	7.33	2.17	29.3	235	82	134.2	17.6	2.9	3.7	0.33	0.44	0.3	0.3	0.45	25.25	22
D06-H-KIK-P	handpump	Kikelé	360219	996473	378		28	5.98	1.17	15.53	174	240	85.4	48.4	8.6	0.3	0.33	0.44	7.2	0.3	0.84	31.05	17
D06-H-PELE-P	handpump	Pelebina	350403	1047477	452		30	6.74	2.02	27.1	526	150	122	39.6	34.8	14.5	0.33	0.44	79.2	0.3	0.45	33.2	31
D06-H-PRA-1	handpump	Parakou	463055	1031511	347.6		32.3	6.05	0.98	12.1	182	145	103.7	44	1.9	0.5	0.33	0.44	0.3	0.3	1.38	36.55	15
D06-H-SEB-P	handpump	Sébou	443940	1029716	334.94		30.5	6.43	0.73	10	647	30	189.1	35.2	47.4	17.4	0.33	0.44	105.0	2.8	0.6	33.8	26
D06-H-SER-P	handpump	Sérou	357472	1068612	418.93		29.2	7.22	1.52	20.8	1022	95	341.6	13.2	36.8	160.4	0.33	0.44	39.4	1.2	0.25	22.05	35
D06-H-WEWE-P	handpump	Wéwé	402344	1038032	338		30.1	6.33	1.37	18.6	233	-40	115.9	30.8	6.7	3.9	0.33	0.44	0.3	0.3	0.78	36.35	13

Sample Name	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)	HP0 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)	Mn ²⁺ (mmol(eq)/l)	NH ₄ ⁺ (mmol(eq)/l)
D06-W-BDOG-1	11	69	29	4	0.035	0.125	0.230		2.415	0.352	3.900	1.699	0.000	0.023	2.610	0.281	3.443	2.386	0.001	0.005	0.013
D06-W-BDOG-2	16	85	75	5	0.021	0.059	0.060		2.567	0.718	12.250	0.532	0.000	0.010	5.263	0.409	4.242	6.172	0.001	0.002	0.003
D06-F-BEL-P	7	71	17	1	0.408	0.242	0.041		0.389	0.112	5.000	0.005	0.000	0.009	0.783	0.179	3.543	1.399	0.015	0.009	0.002
D06-H-BET-P	7	42	11	0.55	0.055	0.018	0.045		0.440	0.060	4.200	0.011	0.000	0.006	1.000	0.179	2.096	0.905	0.002	0.001	0.002
D06-H-BIS-2	6	35	14	0.55	0.113	0.026	0.037		0.065	0.021	3.200	0.005	0.000	0.014	0.826	0.153	1.747	1.152	0.004	0.001	0.002
D06-F-HVO-11	5	13	2	0.55	0.02	0.018	0.022		0.093	0.050	2.400	0.005	0.000	0.027	0.609	0.128	0.649	0.165	0.001	0.001	0.001
D06-F-HVO-2	14	17	30	0.55	0.031	0.02	0.014		0.037	0.012	4.000	0.005	0.000	0.014	0.609	0.358	0.848	2.469	0.001	0.001	0.001
D06-F-HVO-4	7	41	11	1	0.155	0.02	0.049		0.804	0.073	2.600	0.587	0.000	0.032	1.131	0.179	2.046	0.905	0.006	0.001	0.003
D06-F-HVO-6	6	16	7	0.55	0.02	0.029	0.053		0.079	0.015	1.600	0.005	0.000	0.026	0.652	0.153	0.798	0.576	0.001	0.001	0.003
D06-F-HVO-7	8	54	13	0.55	0.14	0.012	0.022		0.062	0.094	4.000	0.005	0.000	0.017	0.652	0.205	2.695	1.070	0.005	0.000	0.001
D06-F-HVO-8	6	50	17	0.55	0.093	0.021	0.026		0.034	0.044	4.500	0.005	0.000	0.005	0.739	0.153	2.495	1.399	0.003	0.001	0.001
D06-H-IGB-P	8	52	29	1	0.011	0.033	0.045		0.756	0.035	4.900	0.034	0.000	0.021	1.044	0.205	2.595	2.386	0.000	0.001	0.002
D06-W-KAKI-S	3	26	4	0.55	0.007	0.091	0.072		0.082	0.077	2.200	0.005	0.000	0.009	0.957	0.077	1.297	0.329	0.000	0.003	0.004
D06-H-KIK-P	4	15	3	0.55	0.011	0.015	0.045		0.243	0.006	1.400	0.116	0.000	0.018	0.739	0.102	0.749	0.247	0.000	0.001	0.002
D06-H-PELE-P	7	42	20	1	0.016	0.022	0.010		0.982	0.302	2.000	1.278	0.000	0.009	1.348	0.179	2.096	1.646	0.001	0.001	0.001
D06-H-PRA-1	5	16	5	0.55	0.006	0.021	0.037		0.054	0.010	1.700	0.005	0.000	0.029	0.652	0.128	0.798	0.411	0.000	0.001	0.002
D06-H-SEB-P	8	72	25	2	0.29	0.194	0.041		1.337	0.362	3.100	1.694	0.000	0.013	1.131	0.205	3.593	2.057	0.010	0.007	0.002
D06-H-SER-P	14	125	29	3	0.418	0.023	0.060		1.038	3.340	5.600	0.636	0.000	0.005	1.522	0.358	6.238	2.386	0.015	0.001	0.003
D06-H-WEWE-P	6	23	10	0.55	0.014	0.188	0.018		0.189	0.081	1.900	0.005	0.000	0.016	0.565	0.153	1.148	0.823	0.001	0.007	0.001

Sample Name	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)
D06-W-BDOG-1	8.739	8.388	12.015669	
D06-W-BDOG-2	16.092	16.078	0.897186844	
D06-F-BEL-P	5.929	5.515	9.478031569	
D06-H-BET-P	4.186	4.718	-9.477065147	
D06-H-BIS-2	3.885	3.305	8.353067584	
D06-F-HVO-11	1.553	2.575	-8.436107446	
D06-F-HVO-2	4.287	4.067	3.664494423	
D06-F-HVO-4	4.270	4.096	2.915131487	
D06-F-HVO-6	2.185	1.724	3.602056792	
D06-F-HVO-7	4.628	4.177	7.937552265	
D06-F-HVO-8	4.792	4.587	3.85783194	
D06-H-IGB-P	6.234	5.746	11.68421259	
D06-W-KAKI-S	2.668	2.373	2.974259743	
D06-H-KIK-P	1.841	1.782	0.423502572	
D06-H-PELE-P	5.271	4.571	13.78148507	
D06-H-PRA-1	1.993	1.797	1.485227712	
D06-H-SEB-P	7.005	6.506	13.49187	
D06-H-SER-P	10.523	10.619	-4.021517761	
D06-H-WEWE-P	2.698	2.191	4.955930064	