

Table 2 Mean values (\pm SE) and correlation of the chemical characteristics used to characterize the aquatic larval habitats in relation to *Culex* and *Anopheles* larval abundance

	Mean values (\pm SE) of chemical characteristics /month					Correlation (r value)		
	Septemper	October	November	Range	Means \pm S.E	<i>Anopheles</i>	<i>Culex</i>	
	Electrical conductivity (EC) mho/cm	220.17 \pm 47.15	327.00 \pm 108	519.40 \pm 183.10	118.00-1205.00	345.88 \pm 70.04	-0.156	-0.212
	Total dissolved solids (TDS) mg/L	132.10 \pm 28.29	196.27 \pm 64.76	311.64 \pm 109,86	70.80-723.00	207.55 \pm 42.02	0-.156	-0.212
	pH*	7.75 \pm 0.04	8.48 \pm 0.15	8.45 \pm 0.13	7.60-9.00	8.21 \pm 0.11	0.070	-0.563*
	Total alkalinity mg/L	84.20 \pm 22.30	174.77 \pm 54.71	202.52 \pm 34.64	17.20-439.20	150.96 \pm 25.16	0-.242	-0.467
	Total hardness mg/L	58.33 \pm 10.78	115.00 \pm 18.21	90.00 \pm 19.49	30.00-180.00	87.65 \pm 10.62	0.006	-0.350
Chemical characteristics	Nitrates (NO ₃) mg/L	0.58 \pm 0.58	2.05 \pm 1.03	15.76 \pm 12.18	0.00-64.30	5.57 \pm 3.71	0.527*	-0.174
	Sulphate (SO ₄) mg/L	6.67 \pm 5.11	3.33 \pm 2.17	3.00 \pm 1.64	0.00-32.00	4.41 \pm 1.94	-0.004	0.562*
	Fluoride (F) mg/L	1.60 \pm 1.29	0.52 \pm 0.24	1.27 \pm 0.25	0.00-8.00	1.12 \pm 0.45	-0.101	0.227
	Chloride (Cl) mg/L	17.28 \pm 1.93	33.83 \pm 10.40	47.28 \pm 17.51	8.50-106.50	31.95 \pm 6.64	-0.118	-0.329
	Calcium (Ca)* mg/L	16.67 \pm 3.17	36.00 \pm 4.62	20.00 \pm 5.66	8.00-48.00	24.47 \pm 3.23	-0.104	-0.271
	Magnesium (Mg)* mg/L	4.00 \pm 0.80	6.00 \pm 1.83	12.20 \pm 1.09	2.40-14.40	7.12 \pm 1.12	0.156	-0.420
	Temperature (°C)	33.33 \pm 2.86	36.33 \pm 0.42	30.00 \pm 2.72	23.00-39.00	33.41 \pm 1.37	-0.275	-0.330
Mosquitoes	<i>Anopheles</i>	229.50 \pm 45.41	291.83 \pm 136.37	371.00 \pm 113.28	27.00-865.00	293.12 \pm 58.51	-	-0.053
	<i>Culex</i> *	6.00 \pm 2.25	0.17 \pm 0.17	0.00 \pm 0.00	0.00-13.00	2.18 \pm 1.03	-0.053	-

Note: *. Difference in chemical characteristics is significant at the 0.05 level; *. Correlation is significant at the 0.05 level