

Table 1. Physicochemical parameters (mean \pm SE) per container class on Guadeloupe (G) and in French Guiana (FG).

Parameter	Locality	Large waste	Small waste	Buckets	Tyres	Drums	Water troughs	Plant containers	Boats	Gutters	Cisterns
Temperature (°C)	G	28 \pm 1	29 \pm 0.9	29 \pm 1.6	30 \pm 2	29 \pm 1.8	–	29 \pm 0.9	–	29 \pm 0.5	26
	FG	28 \pm 2	27	29 \pm 2.5	28 \pm 1.7	29 \pm 2.1	24	–	34 \pm 4.9	–	–
pH	G	8 \pm 1	8 \pm 1	8 \pm 0.7	8 \pm 0.5	8 \pm 0.8	–	8 \pm 0.5	–	7 \pm 0.4	6
	FG	7 \pm 0.5	7	7 \pm 0.5	7 \pm 0.7	7 \pm 0.3	7	–	8 \pm 0.9	–	–
Salinity (g/L)	G	0,2 \pm 0.2	0	0 \pm 0.1a	0,1 \pm 0.1	0	–	0.1 \pm 0.1	–	0	0
	FG	0.1 \pm 0a	0,2abc	0abc	0.1 \pm 0.1ab	0c	0.1abc	–	0.1abc	–	–
Conductivity (μ S/cm)	G	464 \pm 554abc	299 \pm 205abc	230\pm215a	304 \pm 148ab	96\pm79c	–	455 \pm 230abc	–	202 \pm 57abc	45abc
	FG	166 \pm 179	356 \pm 49	105\pm120	213 \pm 225	35\pm26	236	–	199 \pm 32.5	–	–
Dissolved oxygen (mg/L)	G	10\pm1	9 \pm 1	9\pm2.3	9\pm1.4	9\pm2.1	–	9 \pm 2.5	–	8.3 \pm 1.8	9
	FG	3\pm1.7	0	4\pm1.54	3.4\pm1.8	4\pm1.3	9	–	6 \pm 1.3	–	–
Turbidity (FNU)	G	8 \pm 5.7ab	47 \pm 29.8ab	27 \pm 28.2ab	55\pm29.9a	16 \pm 20b	–	46 \pm 31ab	–	51 \pm 30.7ab	7ab
	FG	49 \pm 84a	133abc	18 \pm 22abc	120\pm49b	7 \pm 8c	10abc	–	10 \pm 6.7abc	–	–
Ca (mg/L)	G	17 \pm 9.2abc	14 \pm 7.8abc	26\pm36.2abc	35\pm14.8a	11\pm11.9b	–	35 \pm 19ac	–	20 \pm 19.1abc	2abc
	FG	11 \pm 0.6a	18ab	12\pm17.5ab	11\pm7.3ab	2\pm1.9b	–	–	20 \pm 8.9ab	–	–
Mg (mg/L)	G	8.1 \pm 10.5abcd	3.8 \pm 2.2abcd	4.7\pm8.7a	3.5\pm2.2ab	1.0\pm01.3c	–	7.0 \pm 4.7abd	–	1.7 \pm 0.3abcd	0abcd
	FG	1.4 \pm 0.6	4.5	1.5\pm2.2	1.2\pm1	0.2\pm0.4	2,3	–	2.3 \pm 0.5	–	–
Cu (mg/L)	G	0.01 \pm 0ab	0ab	0ab	0.02 \pm 0a	0b	–	0.01 \pm 0ab	–	0ab	0ab
	FG	0.03 \pm 0abc	0abc	3 \pm 9.9a	0.04 \pm 0b	0ac	–	–	0abc	–	–
Fe (mg/L)	G	0ab	2.7 \pm 2.6ab	0.5 \pm 1ab	0.8\pm0.9a	0,3 \pm 0.8b	–	0.3 \pm 0.3ab	–	0.5 \pm 0.3ab	0.1ab
	FG	11\pm26.6abc	22.9abc	0.5 \pm 0.4a	10.9\pm5.4b	1.3 \pm 2.4ac	2.7abc	–	2.7 \pm 0.9abc	–	–

Zn (mg/L)	G	0ab	0ab	0,3±0.6ab	1.0±1.3a	0,5±0.6ab	–	0b	–	1.3±1.7ab	3.1ab
	FG	4±6.7a	0.2ab	0.5±0.6b	2.7±1.8ab	1.3±0.ab9	–	–	1.3±1ab	–	–
COD (mg/L)	G	21±10.5abc	56±46abc	46±45a	195±168b	24±30ac	–	49±25.6abc	–	20±5.1abc	20abc
	FG	229±426a	529abc	54±43abc	216±153ab	17±35c	242abc	–	242±149.2abc	–	–

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653 Significant differences between G and FG for a given parameter and container type are shown in bold. Different letters indicate significant

654 differences for a given parameter among container types in a same locality (G or FG) ($P < 0.05$). COD, chemical oxygen demand; Cu: Copper; Fe:

655 Iron; Zn: Zinc; Ca: Calcium