

Table S1– Location (code), geographic coordinates, and the average depth of the 31 collection points sampled.

#	Location	Latitude	Longitude	Depth
Guanabara Bay				
RIO DE JANEIRO				
1	Ribeira Beach (RB)	22° 49' 22.70"S	43° 10' 03.70"W	5 m
2	Bica Beach (BI)	22° 49' 11.74"S	43° 11' 55.86"W	5 m
3	D'água Island (ID)	22° 48' 57.78"S	43° 09' 52.16"W	7 m
4	Ramos Beach (RA)	22° 50' 13.16"S	43° 15' 08.97"W	5 m
5	Catalão Beach (CA)	22° 50' 10.41"S	43° 13' 44.33"W	5 m
6	Paquetá – Ferry Station (PB)	22° 45' 31.14"S	43° 06' 23.22"W	5 m
7	Moreninha Beach (PM)	22° 45' 09.07"S	43° 06' 46.52"W	5 m
8	Pombeba Island (PO)	22° 53' 14.31"S	43° 12' 21.81"W	5 m
9	Santos Dumont Airport (SD)	22° 54' 09.15"S	43° 10' 11.24"W	5 m
10	Marina da Glória (MG)	22° 55' 07.27"S	43° 10' 00.36"W	5 m
11	Flamengo Beach (FL)	22° 56' 06.49"S	43° 10' 10.15"W	5 m
12	Botafogo Beach (BO)	22° 56' 54.84"S	43° 10' 05.75"W	5 m
13	Urca Beach (UR)	22° 57' 02.20"S	43° 10' 17.86"W	5 m
14	Leme Beach (LE)	22° 57' 57.22"S	43° 09' 51.12"W	5 m
15	Copacabana Fort (CO)	22° 59' 08.32"S	43° 11' 15.30"W	5 m
NITERÓI				
16	Brasco Logística Offshore (BR)	22° 52' 17.54"S	43° 07' 31.93"W	5 m
17	Enave Shipyard (EN)	22° 52' 14.51"S	43° 07' 43.30"W	5 m
18	Camorim Shipyard (CM)	22° 51' 55.49"S	43° 06' 46.40"W	5 m
19	Rio-Niterói Bridge (PP)	22° 52' 24.25"S	43° 07' 26.83"W	5 m
20	Ponta da Areia (PA)	22° 52' 33.98"S	43° 07' 03.98"W	5 m
21	Charitas Beach (CH)	22° 55' 55.58"S	43° 06' 01.69"W	5 m
22	Boa Viagem Beach (BV)	22° 54' 26.69"S	43° 07' 44.10"W	5 m
Sun Coast				
ARMAÇÃO DOS BÚZIOS				
23	Ossos Beach (OS)	22° 44' 42.72"S	41° 44' 52.39"W	7 m
24	Geribá Beach (GE)	22° 46' 54.24"S	41° 54' 17.21"W	7 m
ARRAIAL DO CABO				
25	Prainha (PR)	22° 57' 31.54"S	42° 01' 09.96"W	7 m
26	Anjos Beach (AN)	22° 58' 10.48"S	42° 01' 03.71"W	7 m
Green Coast				
ANGRA DOS REIS				
27	Abraão Beach (AB)	23° 07' 55.81"S	44° 09' 43.10"O	7 m

28	Biscaia Beach (BI)	23° 01' 39.31"S	44° 14' 10.88"O	7 m
PARATY				
29	Tarituba Beach (TA)	23° 02' 19.35"S	44° 35' 36.13"O	7 m
30	Paraty Pier (PC)	23° 13' 18.24"S	44° 42' 35.68"O	10 m
31	Meros Island (IM)	23° 11' 20.04"S	44° 34' 22.38"O	15 m