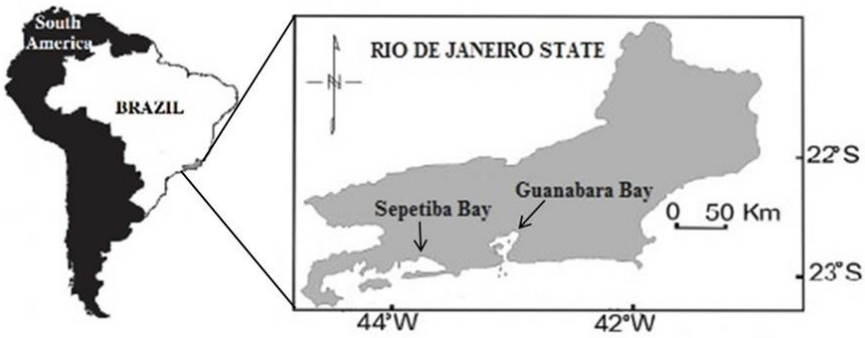

Figure 1: South America map stressing Brazil and the Brazilian state of Rio de Janeiro (gray). The map of Rio de Janeiro state is amplified and shows Guanabara and Sepetiba Bays.

Table 1: Biological data and muscular concentrations (Mean ± SD; Min–Max) of PBDEs, dechloranes, PCDDs, PCDFs and TEQs (pg g^{-1}wet weight) in whitemouth croakers (*Micropogonias furnieri*) from southeast Brazilian region.

Sampling	Weight (Kg)	Size (cm)	∑PBDEs[a] (pg g^{-1})	∑DRCs[b] (pg g^{-1})	∑PCDDs[c] (pg g^{-1})	∑PCDFs[d] (pg g^{-1})	TEQ[e] (pg g^{-1})
Sepetiba	1.4 ± 0.2	47 ± 1.6	230 ± 293	8.5 ± 11	-	-	-
(n = 6)	1.1 - 1.5	45 - 49	41 - 880	1 - 34	-	-	-
Guanabara Bay	1.9 ± 0.9	57 ± 8.5	91 ± 106	6.8 ± 10.4	0.5 ± 0. 4	0.3 ± 0.3	0.1 ± 0.03
(total n = 14) PCDD/Fs (n=10)	0.9 - 4.4	46 - 75	7.6 - 326	n.d. - 42	n.d. - 1.3	n.d. - 0.9	0.1 - 0.2
TOTAL	1.8 ± 0.8	54 ± 8.3	133 ± 194	7.3 ± 10.8	-	-	-
	0.9 - 4.4	45 - 75	7.6 - 880	n.d. - 42	-	-	-

n.d. = not detected.
[a] ∑PBDEs: sum of BDE-17, -28, -47, -49 & 71, -66, -77, -85, -99, -100, -119, -126, -139, -140, -153, -154, -156 & 169, -183, -184, -206, -207, -208 and -209.
[b] ∑DRCs: sum of mirex, declorane 602, 603, DP and CP.
[c] ∑PCDDs: sum of 1,2,3,6,7,8– Hexa CDD; 1,2,3,7,8,9– HexaCDD; 1,2,3,4,6,7,8– Hepta CDD; Octa CDD (OCDD).
[d] ∑PCDFs: sum of 1,2,7,8-TCDF; 2,3,7,8-TCDF; 1,2,3,7,8-PCDF; 2,3,4,7,8-PCDF; 1,2,3,4,7,8-HCDF; 1,2,3,6,7,8-HCDF; 1,2,3,7,8,9-HCDF; 2,3,4,6,7,8-HCDF; 1,2,3,4,6,7,8-HpCDF; 1,2,3,4,7,8,9-HpCDF and OCDF.
[e] TEQ: sum of TEQ of PCDDs and PCDFs.

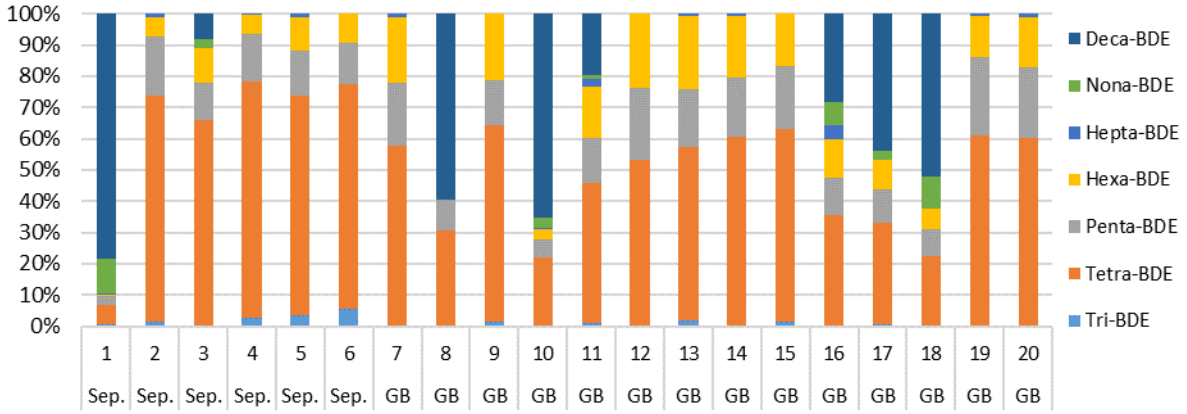

Figure 2: Relative contribution of the PBDEs, grouped by bromination degree. The figure exposes the individual codes of each whitemouth croaker (e.g 1, 2, 3, ... 20) and the sampling area (Sep. = Sepetiba Bay; GB = Guanabara Bay).

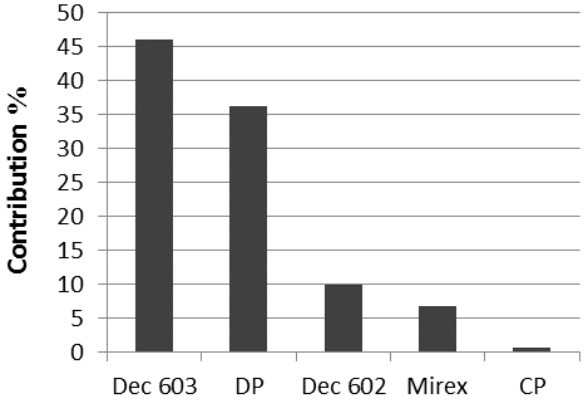

Figure 3: Contribution (%) from individual chlorinated compounds to ΣDRC contamination in whitemouth croakers from southeast Brazilian region.