

Table 5 Geo-accumulation index of the heavy metals concentration in sediment of Nun River at Gbarantoru and Tombia towns in Bayelsa state, Nigeria

Parameters	Median mean			Geometric mean		
	Location A	Location B	Location C	Location A	Location B	Location C
Igeo						
Cd	-0.502	-0.628	-1.766	0.000	-0.125	-1.262
Cr	0.000	-0.584	-1.586	0.000	-0.584	-1.586
Co	0.000	-1.000	-1.000	0.000	-1.000	-1.000
Ni	-0.234	-0.584	-4.158	1.415	0.000	-3.591
Pb	-0.234	-0.621	-1.515	-0.083	-0.470	-1.362
Zn	-0.388	-0.584	-1.009	-0.308	-0.504	-0.927
Fe	-0.241	-0.584	-1.427	-0.071	-0.419	-1.258
Comparison criteria	Igeo ≤ 0 (uncontaminated), 0 < Igeo ≤ 1 (uncontaminated to moderately contaminated), 1 < Igeo ≤ 2 (moderately contaminated), 2 < Igeo < 3 (moderately to heavily contaminated), 3 < Igeo < 4 (heavily contaminated), 4 < Igeo < 5 (heavily to extremely contaminated), Igeo ≥ 5 (extremely contaminated)					