

Table 4 Contamination factor, degree of contamination and pollution load index of the heavy metal 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
Contamination factor	Location A	Location B	Location C	Location A	Location B	Location C
Cd	1.091	1.000	0.455	1.500	1.375	0.625
Cr	1.500	1.000	0.500	1.500	1.000	0.500
Co	2.000	1.000	1.000	2.000	1.000	1.000
Ni	2.667	1.000	0.083	4.000	1.500	0.125
Pb	1.308	1.000	0.538	1.417	1.083	0.583
Zn	1.145	1.000	0.745	1.212	1.053	0.788
Fe	1.271	1.000	0.559	1.427	1.122	0.627
Comparison criteria	Note: $CF < 1$ (low contamination); $1 \leq CF < 3$ (moderate contamination); $3 \leq CF < 6$ (considerable contamination); $CF \geq 6$ (very high contamination)					
Degree of contamination	10.982	7	3.88	13.056	8.133	4.248
Comparison criteria	Note: $CD < 8$ (Low risk); $8 \leq CD < 16$ (Moderate risk); $16 \leq CD < 32$ (Considerable); $CD > 32$ (Very high)					
Pollution load index	1.494	1.000	0.458	1.718	1.149	0.527
Comparison criteria	Note: $PLI < 1$ (no pollution); $1 < PLI < 2$ (moderate pollution); $2 < PLI < 3$ (heavy pollution); $3 < PLI$ (extremely heavy pollution)					