

Table 1 Mean concentrations of trace metal (mg/L) in water of Qua Iboe estuary during the study period compared with Standards

Trace	Station 1	Station 2	Station 3	WHO (2011)	NIS (2007)
Metals				Permissible level	permissible level
Fe	0.20±0.13 ^a (0.05-0.56)	0.12±0.06 ^b (0.04-0.27)	0.18±0.04 ^c (0.12-0.23)		0.3
Zn	0.09±0.09 ^a (ND-0.3)	0.06±0.05 ^a (ND-0.15)	0.09±0.03 ^a (0.02-0.15)	15.0	3.0
Pb	0.02±0.01 ^a (ND-0.03)	0.01±0.01 ^b (ND-0.02)	0.01±0.01 ^c (0-0.02)	0.01	0.01
Cd	0.01±0.01 ^a (ND-0.02)	0.003±0.00 ^a (ND-0.01)	0.01±0.00 ^a (ND-0.01)	0.003	0.003

abc= mean values in the same row with different superscript are significantly different at $\alpha= 0.05$. NIS (Nigerian Industrial Standard); ND - not detected