

Assessment of Potentially Toxic Trace Element Levels via ICP-MS and Human Health Risk Evaluation in *Eriphia verrucosa* (Forskål, 1775) from the Southern Black Sea (2022–2024)

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SUPPLEMENTARY DATA

Table S1. The limits of detection (LOD) and limits of quantification (LOQ) of trace elements.

Elements	LOD (ppb)	LOQ (ppb)
Al	0.2546	0.7638
Mn	0.1203	0.3609
Fe	0.4664	1.3992
Co	0.0042	0.0127
Ni	0.0636	0.1909
Cu	0.0300	0.0901
Zn	0.9797	2.9391
As	0.0069	0.0208
Cd	0.0070	0.0211
Hg	0.0390	0.1170
Pb	0.0083	0.0248

Table S2. Comparison of the accuracy of the analytical method by comparison with Lobster hepatopancreas Certified Reference Materials (TORT-2).

Elements	Certified (mg/kg)	Measured (mg/kg)	Recovery (%)
Al	Not available	23.66±0.69	--
Mn	13.6±1.2	13.57±0.18	99.82
Fe	105±13	105.57±0.55	100.55
Co	0.51±0.09	0.515±0.099	100.99
Ni	2.50±0.19	2.61±0.11	104.19
Cu	106±10	106.99±0.99	100.93
Zn	180±6	179.70±0.31	99.83
As	21.6±1.8	21.68±0.08	100.35
Cd	26.7±0.6	26.92±0.22	100.82
Hg	0.27±0.06	0.264±0.006	97.90
Pb	0.35±0.13	0.349±0.03	99.86