

Supplementary Materials: Ecological and Human Health Risk Assessment of Heavy Metals in Cultured Shrimp and Aquaculture Sludge

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Table S1. Spectral lines used in emission measurements and the instrumental detection limit for the elements measured by using AAS.

Elements	Wavelengths (nm)	Instrumental detection limit (mg/l)
Hg	253.7	
As	193.7	
Pb	217.0	0.013
Cr	357.9	0.0054
Cd	228.8	0.0028
Mn	279.5	0.0016
Cu	324.8	0.004
Zn	213.9	0.0033

Table S2. Index classification of sediment quality (Muller, 1981).

I-geo values Muller (1981)	Sediment quality
<0	practically unpolluted
0-1	unpolluted to moderately polluted
1-2	moderately polluted
2-3	moderately to strongly polluted
3-4	strongly polluted
4-5	strongly to extremely polluted
> 5	extremely polluted
CF values Hakanson (1980)	
CF <1	refers to low contamination
1 ≤ CF <3	means moderate contamination
3 ≤ CF <6	considerable
CF ≥6	indicates very high contamination