

A Rapid Bioassay Test for Assessing Environmental Contamination Using the Marine Sedentary Polychaete *Hydroides elegans*

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Table S1. Varimax rotated^a factor loadings and communality of contaminants and bioassay test.

Parameters (mg/L)	VF1	VF2	VF3	Communalities
Cu (mg/L)	−0.06	0.81	−0.18	0.69
Cd (mg/L)	0.26	0.83	0.16	0.78
Co (mg/L)	0.21	0.92	0.11	0.91
Cr (mg/L)	−0.01	0.94	−0.10	0.89
Pb (mg/L)	0.48	0.56	0.38	0.69
Zn (mg/L)	0.17	0.94	0.20	0.95
Ni (mg/L)	0.72	0.20	0.42	0.74
Hg (mg/L)	0.10	0.93	−0.07	0.87
Fe (mg/L)	−0.30	−0.03	0.93	0.96
TPH (µg/L)	0.26	0.86	−0.01	0.81
Fertilization Membrane Stage (Egg bioassay)	0.92	0.17	−0.18	0.91
2-Cell stage (Egg bioassay)	0.94	0.21	−0.13	0.94
4-Cell stage (Egg bioassay)	0.95	0.19	−0.07	0.95
Blastula stage (Egg bioassay)	0.94	0.13	−0.06	0.90
Fertilization Membrane Stage (Sperm bioassay)	0.98	0.13	−0.03	0.97
2-Cell stage (Sperm bioassay)	0.96	0.07	0.00	0.93
4-Cell stage (Sperm bioassay)	0.97	0.05	−0.02	0.95
Blastula stage (Sperm bioassay)	0.94	0.13	−0.01	0.90
Eigen values	9.704	4.700	1.338	
% of variance	53.909	26.112	7.435	
Cumulative	53.909	80.20	87.455	
KMO sampling adequacy		0.719		

Extraction Method: Principal Component Analysis. Rotation method: Varimax with Kaiser normalization. Bold values indicate strong loadings^a Rotation converged in 4 iterations.