

Supplementary materials

Table S1. Statistical analysis on sand goby larvae exposed to the three different compounds in dark and light cycles.

Chemical substance	Locomotion endpoint	Photo-motor test	
		Dark cycles	Light cycles
Copper (Cu)	Activity	ANOVA, $F_{5,24} = 15.399$, $p < 0.001$	Welch's ANOVA, $F_{5,24} = 22.251$, $p < 0.001$
	Duration	ANOVA, $F_{5,24} = 5.437$, $p < 0.01$	Kruskal-Wallis, $F_{5,24} = 26.863$, $p < 0.001$
	Distance	ANOVA, $F_{5,24} = 5.437$, $p < 0.01$	Welch's ANOVA, $F_{5,24} = 5.619$, $p < 0.01$
Di-butyl phthalate (DBP)	Activity	ANOVA, $F_{5,24} = 19.276$, $p < 0.001$	Welch's ANOVA, $F_{5,24} = 348.140$, $p < 0.001$
	Duration	ANOVA, $F_{5,24} = 5.916$, $p < 0.01$	ANOVA, $F_{5,24} = 184.77$, $p < 0.001$
	Distance	ANOVA, $F_{5,24} = 11.004$, $p < 0.001$	ANOVA, $F_{5,24} = 78.761$, $p < 0.001$
Perfluorooctanoic acid (PFOA)	Activity	Kruskal-Wallis, $F_{5,24} = 18.997$, $p < 0.01$	Kruskal-Wallis, $F_{5,24} = 22.832$, $p < 0.001$
	Duration	Kruskal-Wallis, $F_{5,24} = 15.065$, $p < 0.05$	ANOVA, $F(5,24) = 31.533$, $p < 0.001$
	Distance	ANOVA, $F_{5,24} = 8.329$, $p < 0.001$	ANOVA, $F(5,24) = 3.354$, $p < 0.05$