

Supplementary material S1. List of trace metals and PAH compounds targeted in this study and main European and Mediterranean directives regulating these substances in the different matrices (WFD: Water Framework Directive, 2000; OP-BC: Offshore Protocol, Barcelona Convention, 1994; PSD: Priority Substances Directive, 2013; EQSD: Ecological Quality Standard Directive, 2008; LBS-BC: Land Based Sources of Pollution, Barcelona Convention, 1980; BPD: Biocidal Products Directive, 1998; OSPAR: Oslo and Paris Commission; *identified as a priority hazardous substance) (from: Tornero and Hanke, 2017).

Trace Metals	Indexed in legislation at EU or Mediterranean level
As	WFD, OP-BC, Candidate Barcelona Convention
Cd	WFD, PSD*, EQSD, LBS Protocol-BC
Co	WFD, OP-BC
Cr	WFD, LBS Protocol-BC, OP-BC
Cu	WFD, LBS Protocol-BC, OP-BC, BPD
Hg	WFD, PSD*, EQSD, LBS Protocol-BC
Ni	WFD, PSD, EQSD, OP-BC, Candidate Barcelona Convention
Pb	WFD, PSD, EQSD, LBS Protocol-BC, OP-BC
V	WFD, OP-BC
Zn	WFD, OP-BC
Polycyclic Aromatic Hydrocarbons	
Acenaphthene	WFD
Acenaphthylene	WFD
Anthracene	WFD, PSD*, EQSD
Benzo[a]anthracene	WFD
Benzo[a]pyrene	WFD, PSD*, EQSD
Benzo[b]fluoranthene	WFD, PSD*, EQSD
Benzo[g,h,i]perylene	WFD, PSD*, EQSD
Benzo[k]fluoranthene	WFD, PSD*, EQSD
Chrysene	WFD
Dibenzo[a,h]anthracene	WFD
Dibenzothiophene	OSPAR
Fluoranthene	WFD, PSD, EQSD

Fluorene	WFD
Indenol[1,2,3-cd]pyrene	WFD, PSD*, EQSD
Naphtalene	WFD, PSD
Perylene	OSPAR
Phenantrene	WFD
Pyrene	WFD