

Table S2: PTEs concentration after 15 (1) and 30 (2) days in Genoa waters (GE-1-AQ; GE-2-AQ), vegetable barriers (GE-1-VE; GE-2-VE), *T. versicolor* myco-barriers (GE-1-TV; GE-2-TV), *T. harzianum* autochthonous myco-barriers (GE-1-TH; GE-2-TH), *P. ostreatus* myco-barriers (GE-1-PO; GE-2-PO), commercial barriers (GE-1-PA; GE-2-PA). nd= not detected. PTEs concentrations in water are expressed in $\mu\text{g L}^{-1}$, in barriers in mg kg^{-1} .

	GE-1-AQ	GE-1-VE		GE-1-TV		GE-1-TH		GE-1-PO		GE-1-PA	
PTEs	1	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
Al	nd	18.4	3.2	43.7	11.5	12.0	3.0	24.5	3.0	45.7	12.1
Sb	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
As	2.0	0.2	0.1	nd	nd	0.2	0.1	0.3	0.1	0.4	0.1
Cd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Cr tot	7.0	0.2	0.0	0.2	0.0	nd	nd	0.2	0.1	0.4	0.1
Fe	nd	42.1	12.7	50.3	12.0	19.2	3.7	40.3	9.2	191.9	18.3
Mn	nd	1.7	0.2	2.1	0.3	1.1	0.1	1.9	0.4	5.0	0.7
Hg	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ni	nd	0.3	0.0	0.4	0.1	0.2	0.1	1.3	1.4	0.4	0.1
Pb	nd	1.4	0.4	1.3	0.6	0.3	0.0	0.5	0.1	2.3	0.3
Cu	nd	8.9	2.9	7.7	3.2	1.3	0.2	2.4	0.3	5.7	1.1
Zn	48.0	16.1	0.7	17.0	3.7	5.5	0.5	8.6	0.4	12.1	1.2
	GE-2-AQ	GE-2-VE		GE-2-TV		GE-2-TH		GE-2-PO		GE-2-PA	
PTEs	1.0	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
Al	nd	10.0	3.6	60.0	0.0	12.9	7.1	27.1	3.4	35.0	41.5
Sb	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
As	4.0	0.2	0.1	nd	nd	nd	nd	0.2	0.0	0.3	0.1
Cd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Cr tot	nd	0.1	0.0	0.6	0.0	0.1	0.0	0.1	0.0	0.9	0.4
Fe	11.0	nd	nd	112.5	0.0	105.3	62.2	45.0	7.3	198.7	250.8
Mn	nd	1.1	0.2	3.3	0.0	1.4	0.7	1.4	0.2	5.3	4.5
Hg	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ni	15.0	0.1	0.0	0.6	0.0	0.7	0.3	0.2	0.0	1.1	0.5

Pb	nd	0.4	0.2	1.6	0.0	0.8	0.4	0.4	0.1	2.2	2.6
Cu	nd	2.2	1.3	4.9	0.0	5.6	2.7	1.9	0.4	4.9	5.0
Zn	19.0	5.2	3.2	16.1	0.0	9.0	4.2	8.1	1.7	16.0	20.6