

Table S3: Results of the ICP-MS analyses of the PTEs concentration at the initial time (0) in Cavo waters site A (EL-A-0-AQ), in Cavo waters site B (EL-B-0-AQ), in barriers made only by vegetable substrate (EL-0-VE), in myco-barriers inoculated with *P. ostreatus* (EL-0-PO), in myco-barriers inoculated with the allochthonous strain of *T. harzianum* (EL-0-TH.all.), in myco-barriers inoculated with *T. harzianum* autochthonous strain (EL-0-TH.aut), in myco-barriers inoculated with the mixture of native fungal strains (EL-0-MIX), in commercial barriers (EL-0-PA). nd= not detected. PTEs concentrations in water are expressed in $\mu\text{g L}^{-1}$, in barriers in mg kg^{-1} .

	EL-A-0-AQ	EL-B-0-AQ	EL-0-VE		EL-0-PO		EL-0-TH.all.		EL-0-TH.aut		EL-0-MIX		EL-0-PA
PTEs			Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation	Value
Al	nd	nd	24.2	10.7	41.7	15.0	41.5	1.4	12.0	1.7	10.9	0.3	46991.3
Sb	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
As	2.0	2.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Cd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Cr tot	nd	nd	0.1	0.0	0.2	0.0	0.1	0.0	0.1	0.0	nd	nd	7.4
Fe	nd	nd	46.9	18.0	54.6	13.0	10.7	1.5	23.6	0.4	22.2	2.4	47003.9
Mn	8.0	nd	17.6	2.3	40.6	30.9	4.9	0.4	11.7	0.2	15.5	0.5	1106.5
Hg	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ni	nd	nd	0.3	0.0	0.4	0.1	0.3	0.0	0.2	0.0	0.2	0.0	2.0
Pb	nd	nd	0.2	0.1	0.3	0.1	0.2	0.0	nd	nd	0.1	0.0	3.3
Cu	nd	nd	1.0	0.0	2.2	0.8	1.1	0.0	0.6	0.2	0.7	0.2	4.9
Zn	nd	nd	3.3	0.1	11.3	0.9	9.4	0.8	2.1	0.6	2.2	0.4	82.5