

**Table S1.** List of PAHs analyzed and primers used for ARGs quantification

PAHs	Naphthalene (Naph), acenaphthene (Acen), fluorene (Fluo), phenanthrene(Phen), anthracene (Antr), fluoranthene (Flu), pyrene (Pyr), benz(a)anthracene (BaA), chrysene (Chry), benzo(b)fluoranthene(BbF), benzo(k)fluoranthene (BkF), benzo(a)pyrene (BaP), dibenz(a,h)anthracene (DBaA), benzo(ghi)perylene (BgP) and indeno(1,2,3-cd)pyrene (InP)	
	Primer name	Target gene
		Primer sequence (5'->3')
	Sul1 fw	CGCACCGGAAACATCGCTGCAC
	Sul1 rv	TGAAGTTCCGCCGCAAGGCTCG
	Sul2 fw	GCGCTCAAGGCAGATGGCATT
	Sul2 rv	GCGTTTGATAACCGGCACCCGT
	IntI1 fw	TCGTGCGTCGCCATACA
	IntI1 rv	GCTTGTTCTACGGCCGTTTGA
	16S fw	CGGTGAATACGTTTCYCGG
	16S rv	TACCTTGTTACGACTT
	qnrS fw	GACGTGCTAACTTGCGTGAT
	qnrS rv	TGGCATTGTTGGAAACTT
	qepA fw	GCAGGTCCAGCAGCGGGTAG
	qepA rv	CTTCCTGCCCCGAGTATCGTG