

Supplementary Materials

Table S1. Concentrations of individual PAH compounds in sediments of different functional zones

PAHs concentration, $\mu\text{g g}^{-1}$	I-1	I-2	II-1	II-2	III-1	IV-1	IV-2	IV-3	V-1
Fluorene + acenaphthene	0.084	4.486	1.837	0.992	2.179	1.682	2.093	1.624	1.524
Phenanthrene	0.057	2.518	1.823	1.329	1.666	1.259	1.593	1.589	1.621
Anthracene	0.008	0.198	0.658	0.414	0.581	0.534	0.436	0.560	0.568
Fluoranthene	0.027	0.846	1.722	1.277	1.783	1.403	1.785	1.574	1.531
Pyrene	0.014	0.960	1.127	0.652	0.867	0.695	0.769	0.823	0.850
Benz[a]anthracene	0.012	0.469	0.668	0.554	0.824	0.608	0.692	0.752	0.691
Chrysene	0.005	0.295	0.268	0.288	0.413	0.359	0.444	0.398	0.373
Benzo[b]fluoranthene	0.030	1.030	1.168	0.798	1.427	1.110	1.276	1.285	1.532
Benzo[k]fluoranthene	0.004	0.155	0.181	0.174	0.295	0.239	0.285	0.260	0.312
Benzo(a)pyrene	0.007	0.244	0.250	0.261	0.407	0.347	0.404	0.424	0.464

across the constructed wetland.

Table S2. Total extracted DNA concentrations and obtained number of nucleotide sequences in sediments of different functional zones across the constructed wetland.

Functional zone	DNA concentration, $\text{ng } \mu\text{l}^{-1}$	Number of nucleotide sequences
I-1	2.4	199427
I-2	24.8	173632
II-1	17.4	173994
II-2	38.3	79565
III-1	4.8	102192
IV-1	47.5	92408
IV-2	12.6	88831
IV-3	23.5	158823
V-1	11.8	80622
V-2	13.7	194288