

SUPPLEMENTARY TABLE S1. CONCENTRATIONS OF POLYCYCLIC AROMATIC HYDROCARBONS
AND OXYGENATED POLYCYCLIC AROMATIC HYDROCARBONS IN FEED SOIL AND TREATED SOILS

<i>Compound</i>	<i>Feed soil, µg/g soil</i>	<i>TS-d0^a, µg/g soil</i>	<i>TS-d1^a, µg/g soil</i>	<i>TS-d7^a, µg/g soil</i>
Naphthalene (NAP)	14.2±1.6	15.4±0.2	16.4±0.1	17.9±0.0
Acenaphthene (ACE)	7.5±0.8	5.2±0.2	3.7±0.2	2.6±0.8
Fluorene (FLU)	4.7±0.5	1.4±0.0	1.2±0.0	1.1±0.0
Phenanthrene (PHN)	84.9±11.2	52.6±4.4	39.8±0.1	33.7±1.8
Anthracene (ANT)	5.3±0.2	3.0±0.1	2.5±0.2	2.2±0.1
Fluoranthene (FLA)	27.0±10.6	28.9±0.6	21.6±4.0	20.1±2.2
Pyrene (PYR)	65.6±6.4	39.5±0.2	30.2±0.9	26.9±4.2
Benz[<i>a</i>]anthracene (BaA)	33.7±1.6	7.7±0.1	6.5±0.6	6.2±0.0
Chrysene (CHR)	40.4±6.4	21.2±0.5	19.4±2.4	18.4±2.6
Benzo[<i>b</i>]fluoranthene (BbF)	12.6±0.8	8.0±0.3	7.3±1.0	7.1±1.4
Benzo[<i>k</i>]fluoranthene (BkF)	7.2±0.4	4.0±0.1	3.6±0.4	3.5±0.6
Benzo[<i>a</i>]pyrene (BaP)	32.0±4.1	20.4±0.2	18.9±2.3	18.8±3.6
Dibenzo[<i>a,h</i>]anthracene (DBA)	3.2±0.1	0.7±0.0	0.7±0.1	0.6±0.1
Benzo[<i>g,h,i</i>]perylene (BgP)	23.3±4.2	21.1±0.4	20.3±0.1	20.9±0.3
Total PAHs	361.7±23.0	229.2±4.8	191.9±12.6	180.0±16.2
9-Fluorenone (FLO)	1.4±0.1	1.1±0.0	0.6±0.0	0.6±0.1
9,10-Phenanthrenequinone (PQ)	0.9±0.1	0.5±0.0	0.3±0.1	0.3±0.0
9,10-Anthraquinone (AQ)	18.3±0.4	8.8±0.2	6.1±0.7	4.7±0.1
Benz[<i>a</i>]anthracene-7,12-quinone (BAQ)	1.7±0.1	1.0±0.0	0.9±0.0	0.8±0.0
Total oxy-PAHs	22.3±0.5	9.9±0.3	7.0±0.7	5.5±0.1

Data are mean and standard deviations of triplicates.

^aTS-d0, TS-d1, and TS-d7 represent treated soil sampled immediately after feeding, 1 and 7 days after feeding, respectively, during a 7-day treatment cycle in the bioreactor.