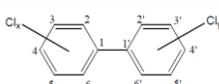


Supplementary Material

Aldhafiri S. *et al.*, Natural Attenuation Potential of Polychlorinated Biphenyl-Polluted Marine Sediments, Polish Journal of Microbiology, 2018, Vol. 67, No 1

Table S1

PCB congener concentrations (ng/g dry weight) in sediments collected from seven stations from Shuwaikh harbor. The hatched cells represent levels below the experimental detection limit (DL).

		Sample ID	Sample ID	Sample ID					
PCB congener	Cl atoms	W1	W2	W3	W4	W5	W6	W7	TOTAL PCB
		4 detected	5 detected	9 detected	2 detected	35 detected	27 detected	3 detected	
28 & 31	3	< DL	< DL	< DL	< DL	14.55	< DL	< DL	14.55
33	3					2.88			2.88
44	4					14.64			14.64
49	4			1.72		18.86	11.14		31.73
52	4	21.76				53.66	14.26		89.68
70	4			1.93		21.86	4.64		28.42
74	4					5.01			5.01
82	5					4.70	3.77		8.47
87	5		1.58	1.55		34.76	18.51		56.40
95	5					45.35	14.35		59.70
99	5		1.69	1.53		42.95	13.64		59.81
101	5					78.56	27.47		106.03
105	5			0.84		19.30	20.25		40.39
110	5	3.44	2.95	2.89	1.79	76.38	31.94	0.68	120.06
118	5	2.54	2.69	2.56	1.79	65.54	30.69	0.72	106.51
128	6					13.50	15.24		28.74
132	6					21.18	22.89		44.08
138	6					83.61	81.78		165.39
149	6		2.80	2.48		2.69	26.43	0.65	35.06
151	6			1.01		13.91	7.18		22.10
153	6					74.28	29.22		103.50
156	6					8.62	9.72		18.34
169	6								0
170	7					15.11	9.90		25.01
171	7					4.37	3.04		7.41
177	7					7.94	3.92		11.86
180	7					33.72	11.37		45.09
183	7					7.41	3.36		10.78
187	7					14.55	4.73		19.28

191	7				1.35				1.35
194	8				4.50	4.08			8.58
195	8				5.83				5.83
201	8				2.63				2.63
205	8				4.13	3.43			7.56
206	9								0
208	9								0
209	10	49.44			20.38	41.41			111.23
TOTAL		77.17	11.70	16.51	3.58	838.72	468.38	2.05	1418.10

Table S2Surrogate (¹³C-labeled) PCB recovery data (%).

	Sample ID						
¹³ C-PCB	W1	W2	W3	W4	W5	W6	W7
28	88	58	73	67	77	77	97
52	70	42	60	59	75	78	86
101	99	55	73	73	93	109	100
138	80	44	59	61	74	88	79
153	133	66	85	88	107	113	113
180	115	69	90	93	110	128	125
209	91	56	80	85	82	109	110

Uncultured bacteria (DGGE gel bands recovered from the sediment samples):

- DEFINITION Uncultured bacterium DGGE gel band F17 16S ribosomal RNA gene, partial sequence. ACCESSION KU663378
- DEFINITION Uncultured bacterium DGGE gel band F18 16S ribosomal RNA gene, partial sequence. ACCESSION KU663379
- DEFINITION Uncultured bacterium DGGE gel band F19 16S ribosomal RNA gene, partial sequence. ACCESSION KU663380
- DEFINITION Uncultured bacterium DGGE gel band F21 16S ribosomal RNA gene, partial sequence. ACCESSION KU663381
- DEFINITION Uncultured bacterium DGGE gel band F22 16S ribosomal RNA gene, partial sequence. ACCESSION KU663382
- DEFINITION Uncultured bacterium DGGE gel band R23 16S ribosomal RNA gene, partial sequence. ACCESSION KU663383

- DEFINITION Uncultured bacterium DGGE gel band R_23 16S ribosomal RNA gene, partial sequence. ACCESSION KU663384
- DEFINITION Uncultured bacterium DGGE gel band F241 16S ribosomal RNA gene, partial sequence. ACCESSION KU663385
- DEFINITION Uncultured bacterium DGGE gel band R_24 16S ribosomal RNA gene, partial sequence. ACCESSION KU663386
- DEFINITION Uncultured bacterium DGGE gel band F27 16S ribosomal RNA gene, partial sequence. ACCESSION KU663387
- DEFINITION Uncultured bacterium DGGE gel band F28 16S ribosomal RNA gene, partial sequence. ACCESSION KU663388
- DEFINITION Uncultured bacterium DGGE gel band R_28 16S ribosomal RNA gene, partial sequence. ACCESSION KU663389
- DEFINITION Uncultured bacterium DGGE gel band F30 16S ribosomal RNA gene, partial sequence. ACCESSION KU663390
- DEFINITION Uncultured bacterium DGGE gel band R31 16S ribosomal RNA gene, partial sequence. ACCESSION KU663391
- DEFINITION Uncultured bacterium DGGE gel band S 16S ribosomal RNA gene, partial sequence. ACCESSION KU663392

Sequences of DGGE bands recovered from the biphenyl enrichment Culture:

DEFINITION *Paenibacillus* sp. W21A 16S ribosomal RNA gene, partial sequence.
ACCESSION KU682428

DEFINITION *Paenibacillus* sp. W21B 16S ribosomal RNA gene, partial sequence.
ACCESSION KU682429

DEFINITION *Paenibacillus* sp. W24 16S ribosomal RNA gene, partial sequence.
ACCESSION KU682430