

**Acute toxicity evaluation of lindane-waste contaminated soils
treated by surfactant-enhanced ISCO**

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Supplementary Material

Table S-1. PS (mM) flushed at each Pv

Pv	ISCO	S-ISCO 5	S-ISCO 10
	PS	PS	PS
1	31.7	19.2	17.2
2	53.5	25.9	18.1
3	60.7	36.2	26.0
4	85.1	71.7	42.6
5	110.0	110.0	76.0
6	130.2	125.0	82.0
7	170.0	130.1	90.2
8	200.0	145.2	98.1

Table S-2 Composition of the 8 gathered Pvs flushed from columns T1, T2 and T3 96 h after the last Pv was eluted

Acronym	C _j (mg/L)	C _j (mg/L)	C _j (mg/L)
	Σ8 PVs flushed from T1 (32 days)	Σ8 PVs flushed from T2 (32 days)	Σ8 PVs flushed from T3 (32 days)
CB	0.00	0.00	0.00
1,3-DCB	0.00	0.00	0.03
1,4-DCB	0.04	0.00	0.01
1,2-DCB	0.03	0.00	0.07
1,3,5-TCB	0.02	0.07	0.71
1,2,4-TCB	0.84	1.85	18.00
1,2,3-TCB	0.12	0.43	3.20
TetraCB-a	0.08	0.69	2.10
TetraCB-b	0.10	1.21	3.20
γ-PentaCX	0.00	0.03	0.50
PCB	0.00	0.01	0.64
δ-PentaCX	0.03	0.00	0.00
θ-PentaCX	0.00	0.00	0.00
HexaCX-a	0.00	0.00	0.00
β-PentaCX	0.00	0.00	0.00
η-Penta CX	0.00	0.00	0.00
HexaCX-b	0.00	0.00	0.00
HexaCX-c	0.00	0.00	0.00
α-HCH	0.00	0.00	0.00
HexaCX-d	0.00	0.00	0.00
β-HCH	0.00	0.00	0.00
γ-HCH	0.00	0.00	0.00
HeptaCH-1	0.00	0.00	0.00
δ-HCH	0.00	0.00	0.00
ε-HCH	0.00	0.00	0.00
HeptaCH-2	0.00	0.00	0.00
HeptaCH-3	0.00	0.00	0.00
Total COCs	1.26	4.30	28.46
PS (mM)	95	86	71
Csurf average (g/L)	0	0.13	0.22
TUs exp Eq. (5)	N.D	5.6	22.1
TUs estim. Eq. (7)	N.D	4.2	18.3