

Supplementary Material

Concentrations of OCP residues (ng g⁻¹ dw) in soil samples from Tajikistan

Sites Pesticides	TJS01	TJS02	TJS03	TJS04	TJS05	TJS06	TJS07	TJS08	TJS09	TJS10	TJS11	TJS12	TJS13	TJS14	TJS15	TJS16	TJS17	TJS18	TJS19	TJS20
α-HCH	0.22	0.26	0.42	1.06	0.51	1.27	6.63	14.03	0.40	0.28	0.15	0.37	0.33	0.15	2.05	0.48	0.33	0.93	0.46	0.90
β-HCH	3.89	1.44	0.96	1.68	3.07	1.42	2.47	4.34	0.93	0.30	3.07	1.63	0.93	1.37	10.91	3.93	17.49	102.94	11.92	2.17
γ-HCH	0.07	0.26	0.60	0.34	0.21	0.20	0.76	0.92	0.37	0.38	0.17	0.37	0.32	0.22	0.42	0.99	0.69	0.25	0.68	0.51
Heptachlor	107.21	68.72	1.17	21.80	1.53	0.82	0.53	0.49	0.79	1.07	0.88	1.69	5.37	1.26	74.62	0.55	1.07	0.34	4.31	2.56
δ-HCH	14.44	2.70	10.61	6.43	11.28	3.92	14.18	5.06	7.12	5.41	5.13	5.38	4.61	4.27	6.44	4.66	4.71	5.44	6.56	10.30
Aldrin	104.35	19.55	76.71	46.47	81.51	28.33	102.51	36.61	51.47	39.07	37.06	38.89	33.33	30.90	46.56	33.65	34.05	39.32	47.41	74.45
Heptachlor epoxide	3.68	2.56	6.99	8.76	13.38	7.37	4.83	4.72	5.44	10.12	4.56	5.43	13.93	8.96	6.10	13.17	4.30	11.02	2.97	21.72
γ-Chlordane	0.33	0.09	1.10	1.63	0.70	2.63	1.34	0.98	1.79	0.92	0.83	1.66	0.73	0.75	1.63	2.70	1.02	0.70	0.79	0.91
α-Chlordane	1.02	0.41	0.18	0.55	0.22	1.58	0.05	0.30	0.05	ND	0.05	0.05	0.49	0.02	0.45	0.10	0.00	ND	0.03	0.07
Endosulfan I	0.30	0.18	0.45	0.15	1.10	0.08	0.55	0.36	0.09	0.12	1.41	0.09	0.18	0.53	1.72	0.20	0.23	0.10	0.55	ND
p,p'-DDE	0.28	13.29	0.05	0.03	0.06	0.23	0.01	0.09	0.12	0.12	0.04	0.08	0.08	0.01	0.01	0.13	ND	0.01	2.74	0.06
Dieldrin	0.99	1.40	0.11	0.05	0.02	0.07	0.00	0.21	0.10	0.03	0.07	0.05	0.04	ND	ND	0.02	0.02	0.01	0.00	0.15
Endrin	0.52	0.73	0.21	0.61	0.91	3.13	0.07	0.08	0.06	0.11	0.22	2.05	1.08	0.13	0.19	0.17	1.45	1.43	3.83	3.26
Endosulfan II	0.04	ND	ND	1.71	0.15	9.62	0.11	0.02	0.00	0.34	0.17	18.12	0.34	0.08	0.26	0.10	0.21	0.30	1.67	2.27
p,p'-DDD	1.99	1.09	0.01	ND	ND	0.02	ND	0.01	ND	ND	ND	ND	0.03	ND	ND	ND	ND	ND	0.52	0.01
Endrin aldehyde	3.64	8.27	1.68	1.81	0.52	0.65	0.13	0.89	1.21	0.03	0.40	0.94	0.41	0.49	1.46	1.74	0.52	0.62	0.61	0.93
Endosulfan sulfate	0.38	0.29	0.58	6.32	1.93	16.51	1.37	10.06	3.10	0.62	2.33	22.88	3.86	1.06	1.96	6.76	0.70	0.55	2.23	1.51
p,p'-DDT	0.01	0.01	ND	0.01	ND	0.05	ND	0.09	0.01	ND	ND	0.06	ND	ND	ND	0.02	ND	ND	0.12	0.01
Endrin ketone	3.14	1.31	0.25	2.83	0.49	13.48	2.05	12.59	2.20	ND	1.32	16.17	0.28	1.79	0.41	5.90	0.17	0.55	6.16	1.36
Methoxychlor	1.47	0.63	0.14	1.32	0.25	6.22	0.96	5.81	1.04	ND	0.63	7.46	0.15	0.85	0.21	2.73	0.10	0.27	2.86	0.65
ΣOCPs	247.98	123.19	102.22	103.59	117.83	97.60	138.53	97.69	76.30	58.93	58.51	123.37	66.48	52.83	155.43	77.98	67.06	164.80	96.42	123.79

ND: not detected, the contents lower than the MDL.