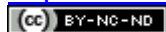Article (refereed) - postprint

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Kean, E.F.; Shore, R.F.; Scholey, G.; Strachan, R.; Chadwick, E.A. 2021.
Persistent pollutants exceed toxic thresholds in a freshwater top predator decades after legislative control.

Supplementary information

Table SI 1. Frequency of detection of 38 pollutants in otter livers 1992-2009. For each pollutant we report the number (n) for which an analytical result was returned, the n for which that result was > detection limit (dl) of 1 µg kg-1 wet weight, and calculate from this the frequency of detection as % of samples in which the pollutant was detected. Pollutants used in statistical models described in the paper are shown in **bold.** For some models, pollutants were aggregated prior to their use as dependent variables (for details of methods see manuscript); these are indicated as: ◊ grouped in DDT model; * grouped in ΣPCB-TEQ model; + grouped in ∑PCB model

Pollutant	Result returned, n	Result > dl, n	Result > dl, %
a-HCH	655	11	1.7
b-HCH	542	123	22.7
g-HCH	627	16	2.6
d-HCH	623	13	2.1
Dieldrin	**744**	**741**	**99.6**
Aldrin	627	12	1.9
Isodrin	616	116	18.8
Endrin	571	32	5.6
DDE-OP ◊	**629**	**46**	**7.3**
DDE-PP ◊	**744**	**742**	**99.7**
DDT-OP ◊	**616**	**105**	**17.0**
DDT-PP ◊	**613**	**127**	**20.7**
TDE-OP ◊	**611**	**116**	**19.0**
TDE-PP ◊	**714**	**603**	**84.5**
HCB	**672**	**661**	**98.4**
PCB 8	632	15	2.4
PCB 18	633	18	2.8
PCB 20	633	31	4.9
PCB 28	588	27	4.6
PCB 31	633	31	4.9
PCB 35	624	34	5.4
PCB 44	622	45	7.2
PCB 52	640	135	21.1
PCB 66	615	75	12.2
PCB 77*	**631**	**80**	**12.7**
PCB 101	645	245	38.0
PCB 105*+	**676**	**624**	**92.3**
PCB 118*+	**718**	**718**	**100.0**
PCB 126*	**601**	**237**	**39.4**
PCB 128+	**632**	**584**	**92.4**
PCB 138+	**729**	**724**	**99.3**
PCB 149	633	138	21.8
PCB 153+	**712**	**711**	**99.9**
PCB 156*+	**710**	**663**	**93.4**
PCB 169*	**541**	**159**	**29.4**
PCB 170+	**617**	**615**	**99.7**
PCB 180+	**743**	**732**	**98.5**
PCB 187+	**627**	**627**	**100.0**