

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Feral pigeons-1)

(Concentration per wet weight)

		No.		1											2	3					4		5	6			
		SPEED'98 No.		2											4	12					14		15	16			
No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Y: Young bird)	Specimen	Lipid	Polychlorinated biphenyls (PCBs)											Hexachlorobenzene (HCB)	Hexachlorocyclohexane					Chlordane		Oxychlordane	trans-Nonachlor	cis-Nonachlor
						Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	PCB total*		α -HCH	β -HCH	γ -HCH	δ -HCH	HCH total*	cis-Chlordane	trans-Chlordane			
		Unit		%		$\mu\text{g/kg-wet}$																					
1	Tokyo	M	A	Muscle, liver	4.8	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	1	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
2	Tokyo	M	A	Muscle, liver	7.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
3	Tokyo	M	A	Muscle, liver	5.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
4	Tokyo	F	A	Muscle, liver	4.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
5	Tokyo	F	A	Muscle, liver	3.5	<1	<1	<1	<1	1	4	<1	<1	<1	<1	5	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
6	Tokyo	F	A	Muscle, liver	4.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
7	Tokyo	F	A	Muscle, liver	4.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2	<2	<2	<2	<2	<2
8	Tokyo	F	A	Muscle, liver	5.9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
9	Tokyo	F	A	Muscle, liver	4.5	<1	<1	<1	<1	<1	3	1	<1	<1	<1	4	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
10	Osaka	M	A	Muscle, liver	4.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
11	Osaka	M	A	Muscle, liver	3.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
12	Osaka	M	A	Muscle, liver	4.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	2	<2	<2
13	Osaka	M	A	Muscle, liver	4.4	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	1	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
14	Osaka	M	A	Muscle, liver	4.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
15	Osaka	M	A	Muscle, liver	5.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
16	Osaka	M	A	Muscle, liver	3.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
17	Osaka	M	A	Muscle, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	2	<2	<2
18	Osaka	M	A	Muscle, liver	1.6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<2	<2	3	<2	<2	3	<2	<2	<2	<2	<2
19	Osaka	M	A	Muscle, liver	3.2	<2.5	<2.5	<2.5	<2.5	<2.5	3	<2.5	<2.5	<2.5	<2.5	3	<2	<2	4	<2	<2	4	<2	<2	11	<2	<2
20	Osaka	M	A	Muscle, liver	1.7	<2.5	<2.5	<2.5	<2.5	<2.5	6	<2.5	<2.5	<2.5	<2.5	6	<2	<2	10	<2	<2	10	<2	<2	4	<2	<2
21	Osaka	M	A	Muscle, liver	1.1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0	<2	<2	3	<2	<2	3	<2	<2	<2	<2	<2
22	Osaka	M	Y	Muscle, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
23	Osaka	F	A	Muscle, liver	4.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
24	Osaka	F	A	Muscle, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	2	<2	<2
25	Osaka	F	A	Muscle, liver	4.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
26	Osaka	F	A	Muscle, liver	5.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
27	Osaka	F	A	Muscle, liver	3.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2
28	Osaka	F	A	Muscle, liver	4.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0	<2	<2	2	3	<2
29	Osaka	F	A	Muscle, liver	2.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0	<2	<2	<2	<2	<2	0	<2	<2	4	<2	<2
30	Osaka	F	A	Muscle, liver	3.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0	<2	<2	<2	<2	<2	0	<2	<2	9	<2	<2
31	Osaka	F	A	Muscle, liver	3.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0	<2	<2	4	<2	<2	4	<2	<2	6	<2	<2
32	Osaka	F	A	Muscle, liver	2.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3	<2	<2	<2	<2	<2

* Calculated on the assumption that values below the limit of detection are counted as 0.

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Feral pigeons-2)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Y: Young bird)	Specimen	Lipid	7		8					9	10	11	12	13	14	15	16	17	18	19	20				
						SPEED'98 No.		18		19					23	25	26	43	33	34			9	11	35	36		
								DDT		DDE and DDD																	Alkyl phenol	
				o,p'-DDT	p,p'-DDT	o,p'-DDE	p,p'-DDE	o,p'-DDD	p,p'-DDD																			
Unit					%	µg/kg-wet																						
1	Tokyo	M	A	Muscle, liver	4.8	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	2.8	<1.5			
2	Tokyo	M	A	Muscle, liver	7.3	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
3	Tokyo	M	A	Muscle, liver	5.1	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	46	<1.5	<1.5			
4	Tokyo	F	A	Muscle, liver	4.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	2.1	<1.5			
5	Tokyo	F	A	Muscle, liver	3.5	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	59	1.9	<1.5			
6	Tokyo	F	A	Muscle, liver	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	5.6	<1.5			
7	Tokyo	F	A	Muscle, liver	4.4	<2	<2	<2	6	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	36	2.4	<1.5			
8	Tokyo	F	A	Muscle, liver	5.9	<2	2	<2	5	<2	3	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	71	<1.5	<1.5			
9	Tokyo	F	A	Muscle, liver	4.5	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
10	Osaka	M	A	Muscle, liver	4.4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
11	Osaka	M	A	Muscle, liver	3.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	58	<1.5	<1.5			
12	Osaka	M	A	Muscle, liver	4.7	<2	<2	<2	3	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	40	2.6	<1.5			
13	Osaka	M	A	Muscle, liver	4.4	<2	<2	<2	7	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
14	Osaka	M	A	Muscle, liver	4.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	82	<1.5	<1.5			
15	Osaka	M	A	Muscle, liver	5.4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	23	1.6	<1.5			
16	Osaka	M	A	Muscle, liver	3.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	30	<1.5	<1.5			
17	Osaka	M	A	Muscle, liver	4.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
18	Osaka	M	A	Muscle, liver	1.6	<2	<2	<2	7	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<2	<2	<15	<1.5	<2			
19	Osaka	M	A	Muscle, liver	3.2	<2	<2	<2	8	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	17	<1.5	<1.5			
20	Osaka	M	A	Muscle, liver	1.7	<2	<2	<2	9	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	16	<1.5	<1.5			
21	Osaka	M	A	Muscle, liver	1.1	<2	<2	<2	6	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	43	<1.5	<1.5			
22	Osaka	M	Y	Muscle, liver	4.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	36	<1.5	<1.5			
23	Osaka	F	A	Muscle, liver	4.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	72	<1.5	<1.5			
24	Osaka	F	A	Muscle, liver	4.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	1.8	<1.5			
25	Osaka	F	A	Muscle, liver	4.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					<1	<1	<1	113	1.7	<1.5			
26	Osaka	F	A	Muscle, liver	5.9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
27	Osaka	F	A	Muscle, liver	3.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
28	Osaka	F	A	Muscle, liver	4.2	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<0.5	<0.5	<0.5	<15	<1.5	<1.5			
29	Osaka	F	A	Muscle, liver	2.9	<2	<2	<2	3	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	<1.5	<1.5			
30	Osaka	F	A	Muscle, liver	3.9	<2	<2	<2	3	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	17	<1.5	<1.5			
31	Osaka	F	A	Muscle, liver	3.2	<2	<2	<2	10	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	<1.5	<1.5			
32	Osaka	F	A	Muscle, liver	2.1	<2	<2	<2	6	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000									

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Feral pigeons-3)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Y: Young bird)	Specimen	Lipid	No.							28													
						SPEED'98 No.							66													
						21	22	23	24	25	26	27	Styrene dimers and trimers													
Unit					μg/kg-wet																					
%					Bisphenol A	Di-(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Di-n-butyl- phthalate	Diethyl phthalate	Di-2-ethylhexyl adipate	Styrene monomer	Styrene dimers*	1,3-Diphenylpropane	cis-1,2-Diphenylcyclobutane	trans-1,2-Diphenylcyclobutane	2,4-Diphenyl-1-butene	Styrene trimers*	2,4,6-Triphenyl-1-hexane	1a-phenyl-4a-(1-phenylethyl) tetralin	1a-phenyl-4e-(1-phenylethyl) tetralin	1e-phenyl-4a-(1-phenylethyl) tetralin	1e-phenyl-4e-(1-phenylethyl) tetralin	1e,3e,5a-Triphenylcyclohexane	1e,3e,5e-Triphenylcyclohexane		
1	Tokyo	M	A	Muscle, liver	4.8	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
2	Tokyo	M	A	Muscle, liver	7.3	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
3	Tokyo	M	A	Muscle, liver	5.1	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
4	Tokyo	F	A	Muscle, liver	4.0	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
5	Tokyo	F	A	Muscle, liver	3.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
6	Tokyo	F	A	Muscle, liver	4.3	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
7	Tokyo	F	A	Muscle, liver	4.4	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
8	Tokyo	F	A	Muscle, liver	5.9	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
9	Tokyo	F	A	Muscle, liver	4.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
10	Osaka	M	A	Muscle, liver	4.4	<20	<100	<40	<100	<40	<40	<2	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
11	Osaka	M	A	Muscle, liver	3.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
12	Osaka	M	A	Muscle, liver	4.7	<20	1,580	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
13	Osaka	M	A	Muscle, liver	4.4	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
14	Osaka	M	A	Muscle, liver	4.2	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
15	Osaka	M	A	Muscle, liver	5.4	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
16	Osaka	M	A	Muscle, liver	3.8	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
17	Osaka	M	A	Muscle, liver	4.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
18	Osaka	M	A	Muscle, liver	1.6	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20
19	Osaka	M	A	Muscle, liver	3.2	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
20	Osaka	M	A	Muscle, liver	1.7	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
21	Osaka	M	A	Muscle, liver	1.1	48	3,290	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
22	Osaka	M	Y	Muscle, liver	4.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
23	Osaka	F	A	Muscle, liver	4.7	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
24	Osaka	F	A	Muscle, liver	4.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
25	Osaka	F	A	Muscle, liver	4.0	<40	<200	<80	<200	<80	<80	<4														
26	Osaka	F	A	Muscle, liver	5.9	<20	280	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
27	Osaka	F	A	Muscle, liver	3.5	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
28	Osaka	F	A	Muscle, liver	4.2	<20	<100	<40	<100	<40	<40	<2	0	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4
29	Osaka	F	A	Muscle, liver	2.9	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
30	Osaka	F	A	Muscle, liver	3.9	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8
31	Osaka	F	A	Muscle, liver	3.2	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8

* Calculated on the assumption values below the limit of detection are counted as 0.

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Black kites – 1)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Y: Young bird)	Specimen	Lipid	1														2	3				
						2														4	12				
						Polychlorinated biphenyls (PCBs)														Hexachlorobenzene (HCB)	Hexachlorocyclohexane				
Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decachloro biphenyl	PCB total*	α -HCH	β -HCH	γ -HCH	δ -HCH	HCH total*										
Unit		%		$\mu\text{g/kg-wet}$																					
1	Miyagi Pref.	M	Jv	Muscle, liver	4.9	<1	<1	9	39	102	139	35	5	<1	<1	329	12	<2	18	<2	<2	18			
2	Miyagi Pref.	M	Jv	Muscle	6.2	<1	<1	10	74	177	246	86	17	2	2	614	7	<2	35	<2	<2	35			
3	Miyagi Pref.	M	Unknown	Muscle, liver	3.6	<1	<1	7	28	59	91	24	4	<1	<1	213	4	<2	19	<2	<2	19			
4	Kanagawa Pref.	M	Unknown	Muscle, liver	4.2	<1	<1	2	8	48	114	50	8	<1	<1	230	<2	<2	5	<2	<2	5			
5	Kanagawa Pref.	M	Unknown	Muscle, liver	6.8	<1	<1	7	51	117	129	45	6	<1	<1	355	<2	<2	4	<2	<2	4			
6	Kanagawa Pref.	M	A	Muscle, liver	1.5	<1	<1	42	494	2,230	3,940	1,760	346	38	21	8,871	5	<2	20	<2	<2	20			
7	Kanagawa Pref.	F	Unknown	Muscle, liver	3.1	<1	<1	6	85	366	664	335	74	3	2	1,535	<2	<2	6	<2	<2	6			
8	Kanagawa Pref.	F	Jv	Muscle, liver	3.6	<1	<1	2	6	16	20	4	<1	<1	<1	48	<2	<2	<2	<2	<2	0			
9	Kanagawa Pref.	F	Jv	Muscle	12	<1	<1	5	37	68	71	18	4	<1	<1	203	7	<2	7	<2	<2	7			
10	Kanagawa Pref.	F	Jv	Muscle, liver	11	<1	<1	14	107	215	233	78	13	1	1	662	5	<2	6	<2	<2	6			
11	Kanagawa Pref.	Unknown	Jv	Muscle	6.9	<1	<1	4	21	51	58	15	<1	<1	<1	149	<2	<2	3	<2	<2	3			
12	Ehime Pref.	M	Jv	Muscle, liver	5.7	<1	<1	3	8	36	89	72	15	<1	<1	223	<2	<2	3	<2	<2	3			
13	Ehime Pref.	M	Unknown	Muscle, liver	4.6	<1	<1	3	14	35	89	38	6	<1	<1	185	<2	<2	2	<2	<2	2			
14	Ehime Pref.	M	Unknown	Muscle, liver	5.9	<1	<1	31	29	29	77	37	6	<1	<1	209	<2	<2	4	<2	<2	4			
15	Ehime Pref.	F	Jv	Muscle, liver	6.9	<1	<1	67	85	83	124	55	8	<1	<1	422	2	<2	6	<2	<2	6			
16	Ehime Pref.	F	Unknown	Muscle, liver	6.2	<1	<1	4	11	25	56	34	7	<1	<1	137	<2	<2	7	<2	<2	7			
17	Nagasaki Pref.	M	Jv	Muscle, liver	7.0	<1	<1	<1	11	25	57	26	5	<1	<1	124	<2	<2	11	<2	<2	11			
18	Nagasaki Pref.	M	Jv	Muscle, liver	7.8	<1	<1	7	32	132	282	126	23	<1	<1	602	<2	<2	6	<2	<2	6			
19	Nagasaki Pref.	M	Jv	Muscle, liver	5.9	<1	<1	3	15	55	173	117	29	2	<1	394	<2	<2	6	<2	<2	6			
20	Nagasaki Pref.	M	Jv	Muscle, liver	9.0	<1	<1	8	27	32	58	34	7	<1	<1	166	<2	<2	3	<2	<2	3			
21	Nagasaki Pref.	M	Jv	Muscle, liver	6.4	<1	<1	3	11	39	95	52	11	1	<1	212	<2	<2	3	<2	<2	3			
22	Nagasaki Pref.	M	Unknown	Muscle, liver	6.7	<1	<1	3	5	14	29	14	2	<1	<1	67	<2	<2	3	<2	<2	3			
23	Nagasaki Pref.	M	Unknown	Muscle, liver	7.2	<1	<1	5	11	32	87	52	11	<1	<1	198	<2	<2	3	<2	<2	3			
24	Nagasaki Pref.	F	A	Muscle, liver	8.8	<1	<1	3	6	17	42	18	4	<1	<1	90	<2	<2	4	<2	<2	4			
25	Nagasaki Pref.	F	Jv	Muscle, liver	9.1	<1	<1	6	33	149	218	77	14	1	<1	498	<2	<2	4	<2	<2	4			
26	Nagasaki Pref.	F	Jv	Muscle, liver	7.3	<1	<1	5	14	22	41	17	1	<1	<1	100	<2	<2	4	<2	<2	4			

* Calculated on the assumption values below the limit of detection are counted as 0.

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Black kites – 2)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Jv: Juvenile)	Specimen	Lipid	4		5	6		7		8				9	10	11	12	13	14	15	16
						SPEED'98 No.		15	16		18		19				23	25	26	43	33	34		
						Unit %		$\mu\text{g/kg-wet}$																
						Chlordane		Oxychlordane	trans-Nonachlor	cis-Nonachlor	DDT		DDE and DDD				Diieldrin	Heptachlor	Heptachlor epoxide	Benzo(a)pyrene	Tributyltin	Triphenyltin	Dibutyltin	Monobutyltin
						cis-Chlordane	trans-Chlordane				o,p'-DDT	p,p'-DDT	o,p'-DDE	p,p'-DDE	o,p'-DDD	p,p'-DDD								
1	Miyagi Pref.	M	Jv	Muscle, liver	4.9	11	3	13	46	12	<2	3	<2	95	<2	16	28	<2	2	<2	<200	<200	<1,000	<2,000
2	Miyagi Pref.	M	Jv	Muscle	6.2	6	<2	19	60	11	<2	<2	<2	76	<2	8	18	<2	3	<2	<2	10	<10	<20
3	Miyagi Pref.	M	Unknown	Muscle, liver	3.6	7	<2	15	31	8	<2	<2	<2	54	<2	7	17	<2	3	<2	<200	<200	<1,000	<2,000
4	Kanagawa Pref.	M	Unknown	Muscle, liver	4.2	<2	<2	12	23	4	<2	<2	<2	11	<2	<2	4	<2	<2	<2	<200	<200	<1,000	<2,000
5	Kanagawa Pref.	M	Unknown	Muscle, liver	6.8	19	<2	12	71	13	<2	<2	<2	31	<2	3	6	<2	3	<2	<200	<200	<1,000	<2,000
6	Kanagawa Pref.	M	A	Muscle, liver	1.5	13	<2	80	322	89	<2	<2	<2	230	<2	8	124	<2	7	<2	<200	<200	<1,000	<2,000
7	Kanagawa Pref.	F	Unknown	Muscle, liver	3.1	<2	<2	13	57	6	<2	<2	<2	41	<2	<2	6	<2	<2	<2	<200	<200	<1,000	<2,000
8	Kanagawa Pref.	F	Jv	Muscle, liver	3.6	<2	<2	8	10	3	<2	<2	<2	5	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000
9	Kanagawa Pref.	F	Jv	Muscle	12	11	3	45	79	28	<2	<2	<2	37	<2	4	41	<2	7	<2	8	4	<10	<20
10	Kanagawa Pref.	F	Jv	Muscle, liver	11	11	<2	13	40	15	<2	2	<2	72	<2	9	5	<2	<2	<2	<200	<200	<1,000	<2,000
11	Kanagawa Pref.	Unknown	Jv	Muscle	6.9	6	<2	8	26	8	<2	<2	<2	20	<2	3	2	<2	<2	<2	5	7	<10	<20
12	Ehime Pref.	M	Jv	Muscle, liver	5.7	5	<2	4	19	7	<2	4	<2	58	<2	11	5	<2	<2	<2	<200	<200	<1,000	<2,000
13	Ehime Pref.	M	Unknown	Muscle, liver	4.6	7	2	4	19	8	<2	3	<2	28	<2	6	3	<2	<2	<2	<200	<200	<1,000	<2,000
14	Ehime Pref.	M	Unknown	Muscle, liver	5.9	7	3	5	17	6	<2	4	<2	101	<2	11	6	<2	<2	<2	<200	<200	<1,000	<2,000
15	Ehime Pref.	F	Jv	Muscle, liver	6.9	16	7	9	29	10	<2	<2	<2	37	<2	5	10	<2	2	<2	<200	<200	<1,000	<2,000
16	Ehime Pref.	F	Unknown	Muscle, liver	6.2	10	3	7	25	11	<2	4	<2	43	<2	11	6	<2	<2	<2	<200	<200	<1,000	<2,000
17	Nagasaki Pref.	M	Jv	Muscle, liver	7.0	7	<2	9	23	10	<2	3	<2	26	<2	5	8	<2	<2	<2	<200	<200	<1,000	<2,000
18	Nagasaki Pref.	M	Jv	Muscle, liver	7.8	20	3	19	77	27	<2	6	<2	61	<2	13	20	<2	2	<2	<200	<200	<1,000	<2,000
19	Nagasaki Pref.	M	Jv	Muscle, liver	5.9	10	<2	9	50	23	<2	3	<2	58	<2	10	6	<2	<2	<2	<200	<200	<1,000	<2,000
20	Nagasaki Pref.	M	Jv	Muscle, liver	9.0	7	<2	3	14	6	<2	7	<2	41	<2	11	<2	<2	<2	<2	<200	<200	<1,000	<2,000
21	Nagasaki Pref.	M	Jv	Muscle, liver	6.4	10	<2	5	25	12	<2	4	<2	36	<2	9	9	<2	<2	<2	<200	<200	<1,000	<2,000
22	Nagasaki Pref.	M	Unknown	Muscle, liver	6.7	5	<2	3	12	5	<2	5	<2	36	<2	12	4	<2	<2	<2	<200	<200	<1,000	<2,000
23	Nagasaki Pref.	M	Unknown	Muscle, liver	7.2	9	2	5	25	11	<2	3	<2	32	<2	6	4	<2	<2	<2	<200	<200	<1,000	<2,000
24	Nagasaki Pref.	F	A	Muscle, liver	8.8	7	<2	5	21	10	<2	4	<2	53	<2	5	6	<2	<2	<2	<200	<200	<1,000	<2,000
25	Nagasaki Pref.	F	Jv	Muscle, liver	9.1	119	13	25	274	94	<2	4	<2	50	<2	9	25	<2	4	<2	<200	<200	<1,000	<2,000
26	Nagasaki Pref.	F	Jv	Muscle, liver	7.3	5	<2	5	15	6	<2	8	<2	44	<2	18	4	<2	<2	<2	<200	<200	<1,000	<2,000