Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Carp-6)

(Concentration per wet weight)

No.						1											2	3				
SPEED'98 No.						2											4	12				
						Polychlorinated biphenyls (PCBs)												Hexachlorocyclohexane				
No.	Specimen collection site	Gender(M:Male、F:Female)	Age (A:Adult)	Specimen	Lipid	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Heachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decihloro biphenyl	PCB total*	Hexachlorobenzene (HCB)	α -HCH	β -HCH	γ -HCH	δ -HCH	HCH total*
				Unit	%	μg/kg-wet																
28	Akikawa	M	A	Muscle	3.6	<0.10	<0.10	<0.10	5.3	11	12	1.5	<0.10	<0.10	<0.10	30	< 5	< 5	< 5	< 5	< 5	0
29	Akikawa	M	A	Muscle	2.1	<0.10	0.16	<0.10	2.8	9.0	8.2	1.2	<0.10	<0.10	<0.10	21	< 5	< 5	< 5	< 5	< 5	0
30	Akikawa	M	A	Muscle	1.7	<0.10	<0.10	0.20	1.1	4.9	4.3	0.54	<0.10	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0
31	Akikawa	M	A	Muscle	2.9	<0.10	<0.10	<0.10	2.3	5.9	6.3	0.66	<0.10	<0.10	<0.10	15	< 5	< 5	< 5	< 5	< 5	0
32	Akikawa	M	A	Muscle	1.8	<0.10	<0.10	<0.10	1.7	8.0	8.2	0.92	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
33	Akikawa	M	A	Muscle	2.6	<0.10	<0.10	<0.10	2.7	11	9.3	0.94	<0.10	<0.10	<0.10	24	< 5	< 5	< 5	< 5	< 5	0
34	Akikawa	M	A	Muscle	2.6	<0.10	<0.10	<0.10	2.4	6.6	7.8	0.93	<0.10	<0.10	<0.10	18	< 5	< 5	< 5	< 5	< 5	0
35	Akikawa	M	A	Muscle	2.7	<0.10	<0.10	<0.10	0.90	5.2	5.8	0.64	<0.10	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
36	Akikawa	M	A	Muscle	2.3	<0.10	<0.10	<0.10	4.7	18	20	3.0	0.43	<0.10	<0.10	46	< 5	< 5	< 5	< 5	< 5	0
37	Akikawa	M	A	Muscle	1.8	<0.10	<0.10	<0.10	0.98	3.5	3.4	0.28	<0.10	<0.10	<0.10	8.1	< 5	< 5	< 5	< 5	< 5	0
38	Akikawa	M	A	Muscle	4.1	<0.10	0.12	<0.10	2.1	8.1	7.8	0.77	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
39	Akikawa	M	A	Muscle	5.0	<0.10	<0.10	0.19	4.7	10	11	1.3	<0.10	<0.10	<0.10	28	< 5	< 5	< 5	< 5	< 5	0
40	Akikawa	M	A	Muscle	3.6	<0.10	<0.10	<0.10	1.5	5.2	4.7	0.51	<0.10	<0.10	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
41	Asakawa	M	A	Muscle	1.9	<0.10	<0.10	0.42	10	13	9.0	1.4	<0.10	<0.10	<0.10	34	< 5	< 5	< 5	< 5	< 5	0
42	Asakawa	M	A	Muscle	1.3	<0.10	0.28	1.9	6.5	8.0	5.0	0.70	<0.10	<0.10	<0.10	22	< 5	< 5	< 5	< 5	< 5	0
43	Asakawa	M	A	Muscle	1.7	<0.10	<0.10	3.5	12	11	7.3	1.2	0.12	<0.10	<0.10	34	< 5	< 5	< 5	< 5	< 5	0
44	Asakawa	M	A	Muscle	1.8	<0.10	<0.10	6.4	16	19	13	2.2	0.36	<0.10	<0.10	57	< 5	< 5	< 5	< 5	< 5	0
45	Asakawa	M	A	Muscle	1.7	<0.10	<0.10	4.6	11	11	7.2	1.2	<0.10	<0.10	<0.10	35	< 5	< 5	< 5	< 5	< 5	0
46	Asakawa	M	A	Muscle	0.81	<0.10	<0.10	<0.10	5.8	5.7	4.3	0.79	<0.10	<0.10	<0.10	17	< 5	< 5	< 5	< 5	< 5	0
47	Asakawa	M	A	Muscle	1.7	<0.10	<0.10	0.13	16	10	5.5	0.66	<0.10	<0.10	<0.10	33	< 5	< 5	< 5	< 5	< 5	0
48	Asakawa	M	A	Muscle	2.8	<0.10	0.13	3.8	13	16	11	1.7	0.11	<0.10	<0.10	45	< 5	< 5	< 5	< 5	< 5	0
49	Asakawa	M	A	Muscle	1.1	<0.10	<0.10	1.9	7.8	14	13	2.5	0.46	<0.10	<0.10	40	< 5	< 5	< 5	< 5	< 5	0
50	Asakawa	M	A	Muscle	1.7	<0.10	<0.10	2.9	12	7.1	4.1	0.49	<0.10	<0.10	<0.10	26	< 5	< 5	< 5	< 5	< 5	0
51	Asakawa	M	A	Muscle	3.1	<0.10	<0.10	5.0	16	24	21	4.6	0.22	<0.10	<0.10	71	< 5	< 5	< 5	< 5	< 5	0
52	Asakawa	M	A	Muscle	3.3	<0.10	0.47	8.1	17	19	14	2.5	0.39	<0.10	<0.10	62	< 5	< 5	< 5	< 5	< 5	0
53	Asakawa	M	A	Muscle	1.2	<0.10	<0.10	2.1	7.7	9.6	5.7	0.93	<0.10	<0.10	<0.10	26	< 5	< 5	< 5	< 5	< 5	0
54	Inbanuma	M	A	Muscle	1.0	<0.10	<0.10	<0.10	6.7	6.9	3.8	0.41	<0.10	<0.10	<0.10	18	< 5	< 5	< 5	< 5	< 5	0
55	Inbanuma	M	A	Muscle	1.1	<0.10	0.22	<0.10	6.7	16	14	2.2	<0.10	<0.10	<0.10	39	< 5	< 5	< 5	< 5	< 5	0
56	Inbanuma	M	A	Muscle	1.6	<0.10	<0.10	8.4	41	45	26	5.3	0.69	<0.10	<0.10	130	< 5	< 5	< 5	< 5	< 5	0
57	Inbanuma	M	A	Muscle	1.0	<0.10	<0.10	<0.10	11	17	9.0	1.5	<0.10	<0.10	<0.10	39	< 5	< 5	< 5	< 5	< 5	0
58	Inbanuma	M	A	Muscle	1.0	<0.10	<0.10	0.21	14	14	7.8	1.0	<0.10	<0.10	<0.10	36	< 5	< 5	< 5	< 5	< 5	0
59	Inbanuma	M	A	Muscle	1.0	<0.10	<0.10	<0.10	6.1	18	15	2.6	0.53	<0.10	<0.10	42	< 5	< 5	< 5	< 5	< 5	0
60	Inbanuma	M	A	Muscle	1.1	<0.10	<0.10	<0.10	3.1	6.4	6.8	1.4	0.27	<0.10	<0.10	18	< 5	< 5	< 5	< 5	< 5	0
61	Inbanuma	M	A	Muscle	0.60	<0.10	0.33	<0.10	11	29	25	6.1	0.73	<0.10	<0.10	72	< 5	< 5	< 5	< 5	< 5	0
62	Inbanuma	M	A	Muscle	0.77	<0.10	0.11	<0.10	6.6	25	24	6.2	1.2	<0.10	<0.10	64	< 5	< 5	< 5	< 5	< 5	0
63	Teganuma	M	A	Muscle	4.9	<0.10	0.11	2.0	6.3	7.1	6.8	2.7	0.59	<0.10	<0.10	26	< 5	< 5	< 5	< 5	< 5	0
64	Teganuma	M	A	Muscle	1.4	<0.10	<0.10	<0.10	0.74	3.4	2.9	0.49	<0.10	<0.10	<0.10	7.5	< 5	< 5	< 5	< 5	< 5	0
65	Teganuma	M	A	Muscle	1.1	<0.10	<0.10	0.62	2.4	2.7	3.0	0.73	<0.10	<0.10	<0.10	9.5	< 5	< 5	< 5	< 5	< 5	0
66	Teganuma	M	A	Muscle	0.66	<0.10	0.11	<0.10	3.4	4.9	4.4	1.0	<0.10	<0.10	<0.10	14	< 5	< 5	< 5	< 5	< 5	0
67	Teganuma	M	A	Muscle	0.93	<0.10	<0.10	<0.10	2.5	7.8	10	2.4	0.52	<0.10	<0.10	24	< 5	< 5	< 5	< 5	< 5	0
68	Teganuma	M	A	Muscle	1.1	<0.10	<0.10	0.13	2.3	2.5	1.5	0.11	<0.10	<0.10	<0.10	6.5	< 5	< 5	< 5	< 5	< 5	0
69	Teganuma	M	A	Muscle	0.87	<0.10	<0.10	<0.10	1.4	1.8	1.5	0.19	<0.10	<0.10	<0.10	4.9	< 5	< 5	< 5	< 5	< 5	0
70	Teganuma	M	A	Muscle	0.73	<0.10	<0.10	0.12	2.0	2.0	2.3	0.32	<0.10	<0.10	<0.10	6.7	< 5	< 5	< 5	< 5	< 5	0
71	Teganuma	M	A	Muscle	2.2	<0.10	<0.10	<0.10	4.7	4.5	4.4	0.76	<0.10	<0.10	<0.10	14	< 5	< 5	< 5	< 5	< 5	0
72	Teganuma	M	A	Muscle	0.72	<0.10	<0.10	<0.10	1.1	1.9	3.5	1.0	<0.10	<0.10	<0.10	7.5	< 5	< 5	< 5	< 5	< 5	0
73	Teganuma	M	A	Muscle	0.75	<0.10	0.36	<0.10	1.1	3.1	6.5	1.9	0.43	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
74	Teganuma	M	A	Muscle	0.73	<0.10	<0.10	<0.10	1.4	3.1	3.8	1.2	0.22	<0.10	<0.10	9.8	< 5	< 5	< 5	< 5	< 5	0

* 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 (Carp-7)

(Concentration per wet weight)

No.	Specimen collection site	Gender(M:Male, F:Female)	Age (A:Adult)	Specimen	Lipid	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Heachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decihloro biphenyl	PCB total*	Hexachlorobenzene (HCB)	α-HCH	β-HCH	γ-HCH	δ-HCH	HCH total*
				No.		1											2	3				
				SPEED'98 No.		2											4	12				
						Polychlorinated biphenyls (PCBs)												Hexachlorocyclohexane				
				Unit	%	μg/kg-wet																
75	Hamura－seki	F	A	Muscle	1.8	<0.10	<0.10	0.79	6.4	18	13	0.97	<0.10	<0.10	<0.10	39	< 5	< 5	< 5	< 5	< 5	0
76	Hamura－seki	F	A	Muscle	2.2	<0.10	<0.10	0.72	4.3	14	11	0.75	<0.10	<0.10	<0.10	30	< 5	< 5	< 5	< 5	< 5	0
77	Hamura－seki	F	A	Muscle	2.3	<0.10	<0.10	<0.10	1.8	5.8	4.0	0.38	<0.10	<0.10	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
78	Hamura－seki	F	A	Muscle	1.2	<0.10	<0.10	<0.10	0.24	1.7	1.4	0.10	<0.10	<0.10	<0.10	3.5	< 5	< 5	< 5	< 5	< 5	0
79	Haijima－bashi	F	A	Muscle	4.2	<0.10	<0.10	0.42	12	22	17	2.9	0.15	<0.10	<0.10	54	< 5	< 5	< 5	< 5	< 5	0
80	Haijima－bashi	F	A	Muscle	2.6	<0.10	<0.10	<0.10	8.7	63	86	14	0.98	<0.10	<0.10	170	< 5	< 5	< 5	< 5	< 5	0
81	Haijima－bashi	F	A	Muscle	1.8	<0.10	<0.10	<0.10	4.4	11	13	2.2	0.26	<0.10	<0.10	32	< 5	< 5	< 5	< 5	< 5	0
82	Haijima－bashi	F	A	Muscle	2.9	<0.10	<0.10	0.25	11	18	15	1.2	<0.10	<0.10	<0.10	46	< 5	< 5	< 5	< 5	< 5	0
83	Haijima－bashi	F	A	Muscle	0.93	<0.10	<0.10	<0.10	3.4	5.0	2.7	0.64	<0.10	<0.10	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
84	Tamagawara－bashi	F	A	Muscle	5.3	<0.10	<0.10	11	22	18	19	3.5	0.42	<0.10	<0.10	74	< 5	< 5	< 5	< 5	< 5	0
85	Tamagawara－bashi	F	A	Muscle	2.3	<0.10	<0.10	3.7	8.2	5.2	6.8	1.0	<0.10	<0.10	<0.10	25	< 5	< 5	< 5	< 5	< 5	0
86	Tamagawara－bashi	F	A	Muscle	3.2	<0.10	<0.10	4.0	10	9.2	6.1	0.49	<0.10	<0.10	<0.10	30	< 5	< 5	< 5	< 5	< 5	0
87	Tamagawara－bashi	F	A	Muscle	2.4	<0.10	<0.10	0.60	4.5	4.1	4.1	0.45	<0.10	<0.10	<0.10	14	< 5	< 5	< 5	< 5	< 5	0
88	Tamagawara－bashi	F	A	Muscle	2.9	<0.10	<0.10	<0.10	10	11	9.1	0.74	<0.10	<0.10	<0.10	31	< 5	< 5	< 5	< 5	< 5	0
89	Tamagawara－bashi	F	A	Muscle	1.4	<0.10	<0.10	0.37	5.0	4.8	4.5	0.19	<0.10	<0.10	<0.10	15	< 5	< 5	< 5	< 5	< 5	0
90	Tamagawara－bashi	F	A	Muscle	1.4	<0.10	<0.10	0.66	6.6	5.7	6.9	1.6	<0.10	<0.10	<0.10	21	< 5	< 5	< 5	< 5	< 5	0
91	Tamagawara－bashi	F	A	Muscle	1.1	<0.10	<0.10	0.34	9.7	13	11	1.1	<0.10	<0.10	<0.10	35	< 5	< 5	< 5	< 5	< 5	0
92	Tamagawara－bashi	F	A	Muscle	1.2	<0.10	<0.10	0.13	3.8	4.7	3.8	0.16	<0.10	<0.10	<0.10	13	< 5	6.0	< 5	< 5	< 5	6.0
93	Tamagawara－bashi	F	A	Muscle	1.1	<0.10	<0.10	0.17	8.7	8.2	9.7	1.8	0.22	<0.10	<0.10	29	< 5	< 5	< 5	< 5	< 5	0
94	Tamagawara－bashi	F	A	Muscle	1.8	<0.10	0.17	3.6	2.4	4.5	3.9	0.64	<0.10	<0.10	<0.10	15	< 5	< 5	< 5	< 5	< 5	0
95	Tamagawara－bashi	F	A	Muscle	2.8	<0.10	<0.10	0.13	5.6	8.0	4.9	0.82	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
96	Tamagawara－bashi	F	A	Muscle	1.1	<0.10	<0.10	<0.10	3.0	7.2	8.1	1.0	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
97	Denenchofu－seki	F	A	Muscle	8.3	<0.10	<0.10	79	330	640	490	76	7.5	<0.10	<0.10	1,600	< 5	< 5	< 5	< 5	< 5	0
98	Denenchofu－seki	F	A	Muscle	2.6	<0.10	1.8	4.8	24	63	62	10	1.1	0.11	<0.10	170	< 5	< 5	< 5	< 5	< 5	0
99	Denenchofu－seki	F	A	Muscle	2.2	<0.10	<0.10	<0.10	4.4	5.9	5.8	0.68	<0.10	<0.10	<0.10	17	< 5	< 5	< 5	< 5	< 5	0
100	Denenchofu－seki	F	A	Muscle	1.5	<0.10	<0.10	8.2	23	24	16	1.7	<0.10	<0.10	<0.10	72	< 5	< 5	< 5	< 5	< 5	0
101	Denenchofu－seki	F	A	Muscle	0.89	<0.10	<0.10	<0.10	8.6	31	30	5.1	0.55	<0.10	<0.10	75	< 5	< 5	< 5	< 5	< 5	0
102	Denenchofu－seki	F	A	Muscle	2.5	<0.10	<0.10	3.2	9.4	17	13	2.2	0.11	<0.10	<0.10	45	< 5	< 5	< 5	< 5	< 5	0

* 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 (Carp-8)

(Concentration per wet weight)

No.						1											2	3				
SPEED'98 No.						2											4	12				
						Polychlorinated biphenyls (PCBs)												Hexachlorocyclohexane				
No.	Specimen collection site	Gender(M:Male, F:Female)	Age (A:Adult)	Specimen	Lipid	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Heachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decihloro biphenyl	PCB total*	Hexachlorobenzene (HCB)	α -HCH	β -HCH	γ -HCH	δ -HCH	HCH total*
				Unit	%	μg/kg-wet																
103	Akikawa	F	A	Muscle	3.9	<0.10	<0.10	0.83	3.7	9.4	9.2	1.2	<0.10	<0.10	<0.10	24	< 5	< 5	< 5	< 5	< 5	0
104	Akikawa	F	A	Muscle	4.4	<0.10	<0.10	<0.10	4.0	11	9.5	1.3	<0.10	<0.10	<0.10	25	< 5	< 5	< 5	< 5	< 5	0
105	Akikawa	F	A	Muscle	1.3	<0.10	<0.10	0.23	1.1	4.4	4.4	0.54	<0.10	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0
106	Akikawa	F	A	Muscle	4.9	<0.10	<0.10	<0.10	2.6	7.3	6.8	0.73	<0.10	<0.10	<0.10	17	< 5	< 5	< 5	< 5	< 5	0
107	Akikawa	F	A	Muscle	3.5	<0.10	0.10	<0.10	4.0	11	11	1.9	<0.10	<0.10	<0.10	28	< 5	< 5	< 5	< 5	< 5	0
108	Akikawa	F	A	Muscle	1.3	<0.10	<0.10	<0.10	0.77	3.2	4.0	0.40	<0.10	<0.10	<0.10	8.3	< 5	< 5	< 5	< 5	< 5	0
109	Akikawa	F	A	Muscle	3.0	<0.10	<0.10	<0.10	2.2	6.0	5.4	0.57	<0.10	<0.10	<0.10	14	< 5	< 5	< 5	< 5	< 5	0
110	Akikawa	F	A	Muscle	2.4	<0.10	0.13	<0.10	1.4	5.6	5.1	0.51	<0.10	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
111	Asakawa	F	A	Muscle	1.2	<0.10	<0.10	2.1	10	15	7.0	0.92	<0.10	<0.10	<0.10	35	< 5	< 5	< 5	< 5	< 5	0
112	Asakawa	F	A	Muscle	1.2	<0.10	<0.10	3.2	15	24	13	1.7	0.24	<0.10	<0.10	56	< 5	< 5	< 5	< 5	< 5	0
113	Asakawa	F	A	Muscle	1.3	<0.10	0.18	<0.10	8.2	6.5	3.6	0.35	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
114	Asakawa	F	A	Muscle	1.0	<0.10	<0.10	<0.10	8.6	5.7	4.5	0.68	<0.10	<0.10	<0.10	19	< 5	< 5	< 5	< 5	< 5	0
115	Asakawa	F	A	Muscle	2.2	<0.10	<0.10	6.1	15	17	9.3	1.6	<0.10	<0.10	<0.10	49	< 5	< 5	< 5	< 5	< 5	0
116	Asakawa	F	A	Muscle	2.9	<0.10	<0.10	6.6	13	5.3	2.9	0.36	<0.10	<0.10	<0.10	28	< 5	< 5	< 5	< 5	< 5	0
117	Asakawa	F	A	Muscle	1.0	<0.10	<0.10	<0.10	8.0	15	9.2	1.8	0.10	<0.10	<0.10	34	< 5	< 5	< 5	< 5	< 5	0
118	Asakawa	F	A	Muscle	1.0	<0.10	<0.10	2.3	6.9	8.4	4.8	0.94	0.12	<0.10	<0.10	23	< 5	< 5	< 5	< 5	< 5	0
119	Asakawa	F	A	Muscle	1.2	<0.10	<0.10	3.3	12	18	12	2.0	0.37	<0.10	<0.10	47	< 5	< 5	< 5	< 5	< 5	0
120	Asakawa	F	A	Muscle	1.4	<0.10	<0.10	0.55	2.9	5.0	3.9	0.68	<0.10	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
121	Asakawa	F	A	Muscle	0.83	<0.10	0.26	<0.10	2.4	4.0	3.7	1.0	0.21	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0
122	Inbanuma	F	A	Muscle	1.7	<0.10	<0.10	4.7	13	18	11	2.2	0.31	<0.10	<0.10	49	< 5	< 5	< 5	< 5	< 5	0
123	Inbanuma	F	A	Muscle	1.2	<0.10	2.9	<0.10	2.6	3.7	2.3	0.56	<0.10	<0.10	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
124	Inbanuma	F	A	Muscle	0.79	<0.10	0.21	<0.10	14	20	8.9	1.5	0.22	<0.10	<0.10	45	< 5	< 5	< 5	< 5	< 5	0
125	Inbanuma	F	A	Muscle	0.85	<0.10	<0.10	<0.10	9.3	12	7.2	1.7	0.10	<0.10	<0.10	31	< 5	< 5	< 5	< 5	< 5	0
126	Inbanuma	F	A	Muscle	1.1	<0.10	<0.10	3.6	35	32	11	1.8	0.22	<0.10	<0.10	83	< 5	< 5	< 5	< 5	< 5	0
127	Inbanuma	F	A	Muscle	1.0	<0.10	<0.10	<0.10	2.9	7.3	9.6	2.5	0.51	<0.10	<0.10	23	< 5	< 5	< 5	< 5	< 5	0
128	Inbanuma	F	A	Muscle	1.1	<0.10	<0.10	<0.10	3.8	5.8	4.0	0.82	<0.10	<0.10	<0.10	14	< 5	< 5	< 5	< 5	< 5	0
129	Inbanuma	F	A	Muscle	0.59	<0.10	<0.10	<0.10	0.52	2.6	3.6	0.86	<0.10	<0.10	<0.10	7.5	< 5	< 5	< 5	< 5	< 5	0
130	Inbanuma	F	A	Muscle	0.56	<0.10	<0.10	0.19	1.1	4.6	4.9	1.2	0.10	<0.10	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
131	Inbanuma	F	A	Muscle	0.73	<0.10	<0.10	<0.10	4.6	13	15	2.4	0.47	<0.10	<0.10	36	< 5	< 5	< 5	< 5	< 5	0
132	Inbanuma	F	A	Muscle	0.65	<0.10	0.17	<0.10	0.21	3.0	5.9	1.6	0.37	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0
133	Inbanuma	F	A	Muscle	0.49	<0.10	0.18	<0.10	17	87	34	6.3	1.2	0.13	<0.10	150	< 5	< 5	< 5	< 5	< 5	0
134	Inbanuma	F	A	Muscle	0.70	<0.10	<0.10	<0.10	1.9	5.2	8.5	2.2	0.42	<0.10	<0.10	18	< 5	< 5	< 5	< 5	< 5	0
135	Inbanuma	F	A	Muscle	0.57	<0.10	<0.10	<0.10	0.87	2.2	6.0	2.5	0.66	0.11	<0.10	12	< 5	< 5	< 5	< 5	< 5	0
136	Inbanuma	F	A	Muscle	0.74	<0.10	<0.10	<0.10	6.0	84	38	4.6	1.1	0.17	<0.10	130	< 5	< 5	< 5	< 5	< 5	0
137	Inbanuma	F	A	Muscle	0.80	<0.10	<0.10	<0.10	1.4	3.5	4.2	1.1	<0.10	<0.10	<0.10	10	< 5	< 5	< 5	< 5	< 5	0
138	Teganuma	F	A	Muscle	0.82	<0.10	<0.10	<0.10	3.5	7.5	8.6	1.9	0.21	<0.10	<0.10	22	< 5	< 5	< 5	< 5	< 5	0
139	Teganuma	F	A	Muscle	1.6	<0.10	<0.10	<0.10	4.3	4.3	3.6	0.50	<0.10	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
140	Teganuma	F	A	Muscle	0.76	<0.10	<0.10	<0.10	0.86	0.66	0.80	0.14	<0.10	<0.10	<0.10	2.5	< 5	< 5	< 5	< 5	< 5	0
141	Teganuma	F	A	Muscle	0.82	<0.10	<0.10	<0.10	2.8	4.0	3.0	3.1	<0.10	<0.10	<0.10	13	< 5	< 5	< 5	< 5	< 5	0
142	Teganuma	F	A	Muscle	0.65	<0.10	<0.10	<0.10	1.5	2.3	2.5	0.39	<0.10	<0.10	<0.10	6.8	< 5	< 5	< 5	< 5	< 5	0
143	Teganuma	F	A	Muscle	0.68	<0.10	<0.10	<0.10	1.3	3.7	4.2	0.92	<0.10	<0.10	<0.10	10	< 5	< 5	< 5	< 5	< 5	0
144	Teganuma	F	A	Muscle	0.76	<0.10	1.5	0.49	1.5	3.3	3.3	0.90	<0.10	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0
145	Teganuma	F	A	Muscle	2.0	<0.10	<0.10	0.13	4.4	3.8	2.2	0.27	<0.10	<0.10	<0.10	11	< 5	< 5	< 5	< 5	< 5	0

* 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 (Carp-9)

(Concentration per wet weight)

						No.	4		5	6		7		8				9	10	11	12
						SPEED'98 No.	14		15	16		18		19				23	25	26	43
							Cholordane					DDT		DDE and DDD							
No.	Specimen collection site	Gender(M:Male、F:Female)	Age (A:Adult)	Specimen	Lipid		cis-Cholordane	trans-Cholordane	Oxychlordane	trans-Nonachlor	cis-Nonachlor	o,p'-DDT	p,p'-DDT	o,p'-DDE	p,p'-DDE	o,p'-DDD	p,p'-DDD	Dieldrin	Heptachlor	Heptachlor Epoxide	Benzo(a)pyrene
				Unit	%		μg/kg-wet														
1	Hamura-seki	M	A	Muscle	1.9		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8.7	< 5	< 5	< 5	< 5	< 5	< 1
2	Haijima-bashi	M	A	Muscle	1.5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
3	Haijima-bashi	M	A	Muscle	1.6		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
4	Haijima-bashi	M	A	Muscle	1.4		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
5	Haijima-bashi	M	A	Muscle	2.7		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
6	Haijima-bashi	M	A	Muscle	1.9		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
7	Haijima-bashi	M	A	Muscle	2.3		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
8	Haijima-bashi	M	A	Muscle	1.7		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
9	Haijima-bashi	M	A	Muscle	2.1		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
10	Haijima-bashi	M	A	Muscle	2.1		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
11	Haijima-bashi	M	A	Muscle	1.1		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
12	Haijima-bashi	M	A	Muscle	1.3		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
13	Haijima-bashi	M	A	Muscle	3.6		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
14	Haijima-bashi	M	A	Muscle	1.3		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
15	Haijima-bashi	M	A	Muscle	1.1		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
16	Haijima-bashi	M	A	Muscle	1.4		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
17	Tamagawara-bashi	M	A	Muscle	1.7		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
18	Tamagawara-bashi	M	A	Muscle	2.1		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
19	Tamagawara-bashi	M	A	Muscle	0.90		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
20	Tamagawara-bashi	M	A	Muscle	1.0		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
21	Denenchofu-seki	M	A	Muscle	3.2		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
22	Denenchofu-seki	M	A	Muscle	3.0		6.0	< 5	< 5	5.4	< 5	< 5	< 5	< 5	9.5	< 5	5.6	< 5	< 5	< 5	< 1
23	Denenchofu-seki	M	A	Muscle	3.4		5.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
24	Denenchofu-seki	M	A	Muscle	1.6		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5.9	< 5	< 5	< 5	< 5	< 5	< 1
25	Denenchofu-seki	M	A	Muscle	3.0		5.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.7	< 5	< 5	< 5	< 5	< 5	< 1
26	Denenchofu-seki	M	A	Muscle	3.3		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
27	Denenchofu-seki	M	A	Muscle	1.5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Carp-10)

(Concentration per wet weight)

No.	Specimen collection site	Gender(M:Male、F:Female)	Age (A:Adult)	Specimen	Lipid	Cholordane		Oxychlordane	trans-Nonachlor	cis-Nonachlor	DDT		DDE and DDD				Dieldrin	Heptachlor	Heptachlor Epoxide	Benzo(a)pyrene
						cis-Chlordane	trans-Chlordane				o,p'-DDT	p,p'-DDT	o,p'-DDE	p,p'-DDE	o,p'-DDD	p,p'-DDD				
No.						4		5	6		7		8				9	10	11	12
SPEED'98 No.						14		15	16		18		19				23	25	26	43
				Unit	%	μg/kg-wet														
28	Akikawa	M	A	Muscle	3.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
29	Akikawa	M	A	Muscle	2.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
30	Akikawa	M	A	Muscle	1.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
31	Akikawa	M	A	Muscle	2.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
32	Akikawa	M	A	Muscle	1.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
33	Akikawa	M	A	Muscle	2.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
34	Akikawa	M	A	Muscle	2.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
35	Akikawa	M	A	Muscle	2.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
36	Akikawa	M	A	Muscle	2.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6.3	< 5	< 5	< 5	< 5	< 5	< 1
37	Akikawa	M	A	Muscle	1.8	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
38	Akikawa	M	A	Muscle	4.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
39	Akikawa	M	A	Muscle	5.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
40	Akikawa	M	A	Muscle	3.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
41	Asakawa	M	A	Muscle	1.9	9.4	5.8	< 5	9.2	< 5	< 5	< 5	< 5	8.7	< 5	< 5	< 5	< 5	< 5	< 1
42	Asakawa	M	A	Muscle	1.3	5.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
43	Asakawa	M	A	Muscle	1.7	7.4	5.1	< 5	6.6	< 5	< 5	< 5	< 5	6.4	< 5	< 5	< 5	< 5	< 5	< 1
44	Asakawa	M	A	Muscle	1.8	5.7	< 5	< 5	6.0	< 5	< 5	< 5	< 5	10	< 5	< 5	5.2	< 5	< 5	< 1
45	Asakawa	M	A	Muscle	1.7	12	8.6	< 5	11	< 5	< 5	< 5	< 5	9.7	< 5	< 5	< 5	< 5	< 5	< 1
46	Asakawa	M	A	Muscle	0.81	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
47	Asakawa	M	A	Muscle	1.7	23	16	6.6	21	< 5	< 5	< 5	< 5	8.0	< 5	< 5	< 5	< 5	< 5	< 1
48	Asakawa	M	A	Muscle	2.8	8.3	5.8	< 5	8.5	< 5	< 5	< 5	< 5	8.7	< 5	< 5	< 5	< 5	< 5	< 1
49	Asakawa	M	A	Muscle	1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	9.0	< 5	< 5	< 5	< 5	< 5	< 1
50	Asakawa	M	A	Muscle	1.7	11	8.1	< 5	11	< 5	< 5	< 5	< 5	6.9	< 5	< 5	< 5	< 5	< 5	< 1
51	Asakawa	M	A	Muscle	3.1	5.6	< 5	< 5	5.4	< 5	< 5	< 5	< 5	8.4	< 5	< 5	< 5	< 5	< 5	< 1
52	Asakawa	M	A	Muscle	3.3	36	26	7.4	32	6.7	< 5	< 5	< 5	18	< 5	< 5	< 5	< 5	< 5	< 1
53	Asakawa	M	A	Muscle	1.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
54	Inbanuma	M	A	Muscle	1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
55	Inbanuma	M	A	Muscle	1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	13	< 5	< 5	< 5	< 5	< 5	< 1
56	Inbanuma	M	A	Muscle	1.6	6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10	< 5	< 5	< 5	< 5	< 5	< 1
57	Inbanuma	M	A	Muscle	1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
58	Inbanuma	M	A	Muscle	1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
59	Inbanuma	M	A	Muscle	1.0	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
60	Inbanuma	M	A	Muscle	1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
61	Inbanuma	M	A	Muscle	0.60	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	16	< 5	< 5	< 5	< 5	< 5	< 1
62	Inbanuma	M	A	Muscle	0.77	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
63	Teganuma	M	A	Muscle	4.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
64	Teganuma	M	A	Muscle	1.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
65	Teganuma	M	A	Muscle	1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
66	Teganuma	M	A	Muscle	0.66	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
67	Teganuma	M	A	Muscle	0.93	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
68	Teganuma	M	A	Muscle	1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
69	Teganuma	M	A	Muscle	0.87	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
70	Teganuma	M	A	Muscle	0.73	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
71	Teganuma	M	A	Muscle	2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
72	Teganuma	M	A	Muscle	0.72	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
73	Teganuma	M	A	Muscle	0.75	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
74	Teganuma	M	A	Muscle	0.73	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1