

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Wood mouse-1)

(Concentration per wet weight)

No.		SPEED'98 No.		1											2	3					4		5	6						
No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Jv: Juvenile)	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					%																									
					μg/kg-wet																									
1	Saitama Pref.	M	A	Whole body	5.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2
2	Saitama Pref.	M	A	Whole body	5.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2
3	Saitama Pref.	M	A&Jv	Whole body	4.1	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
4	Saitama Pref.	M&F	A	Whole body	2.2	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
5	Saitama Pref.	M&F	A&Jv	Whole body	2.5	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
6	Saitama Pref.	F	A	Whole body	4.8	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
7	Saitama Pref.	F	A	Whole body	2.5	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
8	Fukui Pref.	M	A	Whole body	2.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
9	Fukui Pref.	M	A	Whole body	3.8	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
10	Fukui Pref.	M	A	Whole body	5.1	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
11	Fukui Pref.	M	A	Whole body	7.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
12	Fukui Pref.	M&F	A	Whole body	3.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
13	Fukui Pref.	F	A	Whole body	2.6	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
14	Fukui Pref.	F	A	Whole body	3.6	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
15	Fukui Pref.	F	A	Whole body	4.4	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
16	Fukui Pref.	F	A	Whole body	3.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
17	Nagasaki Pref.	M	A	Whole body	4.0	<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	<2	<2	<2	<2	<2	<2	
18	Nagasaki Pref.	M	A	Whole body	3.2	<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	<2	<2	<2	<2	<2	<2	
19	Nagasaki Pref.	M	A	Whole body	3.1	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
20	Nagasaki Pref.	M	A	Whole body	1.9	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
21	Nagasaki Pref.	M	A	Whole body	2.2	<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	<2	<2	<2	<2	<2	<2	
22	Nagasaki Pref.	M	A	Whole body	1.6	<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	<2	<2	<2	<2	<2	<2	
23	Nagasaki Pref.	M	A	Whole body	2.4	<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	<2	<2	<2	<2	<2	<2	
24	Nagasaki Pref.	F	A	Whole body	2.2	<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	<2	<2	<2	<2	<2	<2	
25	Nagasaki Pref.	F	A	Whole body	2.9	<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	<2	<2	<2	<2	<2	<2	
26	Nagasaki Pref.	F	A	Whole body	2.0	<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	<2	<2	<2	<2	<2	<2	
27	Nagasaki Pref.	F	A	Whole body	2.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	<2	<2	<2	
28	Nagasaki Pref.	F	A	Whole body	1.9	<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	<2	<2	<2	<2	<2	<2	
29	Nagasaki Pref.	F	A	Whole body	2.8	<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	<2	<2	<2	<2	<2	<2	
30	Nagasaki Pref.	F	A	Whole body	2.7	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<4	<4	<4	<4	<4	0	<4	<4	<4	<4	<4	<4	<4	<4	

* 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 (Wood mouse-2)

(Concentration per wet weight)

					No.	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			
No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Jv: Juvenile)	Specimen	Lipid	DDT		DDE and DDD					Dieldrin	Heptachlor	Heptachlor epoxide	Benzo(a)pyrene	Tributyltin	Triphenyltin	Dibutyltin	Monobutyltin	Atrazine	CAT (Simazine)	Trifluralin	Alkyl phenol		
						o,p'-DDT	p,p'-DDT	o,p'-DDE	p,p'-DDE	o,p'-DDD	p,p'-DDD	Nonyl phenol												4-t-Octyl phenol	4-n-Octyl phenol	
					Unit	% μ g/kg-wet																				
1	Saitama Pref.	M	A	Whole body	5.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	42	2.8	<1.5	
2	Saitama Pref.	M	A	Whole body	5.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	45	2.9	<1.5	
3	Saitama Pref.	M	A&Jv	Whole body	4.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<2	<2	61	1.7	<2		
4	Saitama Pref.	M&F	A	Whole body	2.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	65	2.0	<2		
5	Saitama Pref.	M&F	A&Jv	Whole body	2.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	70	4.1	<2		
6	Saitama Pref.	F	A	Whole body	4.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	49	2.4	<2		
7	Saitama Pref.	F	A	Whole body	2.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	99	3.1	<2		
8	Fukui Pref.	M	A	Whole body	2.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	52	2.1	<1.5		
9	Fukui Pref.	M	A	Whole body	3.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<2	<2	99	3.0	<2		
10	Fukui Pref.	M	A	Whole body	5.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	78	2.9	<2		
11	Fukui Pref.	M	A	Whole body	7.7	<2	<2	<2	2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	32	2.5	<1.5		
12	Fukui Pref.	M&F	A	Whole body	3.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	150	7.2	<2		
13	Fukui Pref.	F	A	Whole body	2.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<2	<2	70	1.8	<2		
14	Fukui Pref.	F	A	Whole body	3.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	71	2.4	<2		
15	Fukui Pref.	F	A	Whole body	4.4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	35	4.2	<1.5		
16	Fukui Pref.	F	A	Whole body	3.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2.5	<2	<2	94	6.0	<2		
17	Nagasaki Pref.	M	A	Whole body	4.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	16	2.5	<1.5		
18	Nagasaki Pref.	M	A	Whole body	3.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<1	<1	131	2.2	<1.5		
19	Nagasaki Pref.	M	A	Whole body	3.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	15	<1.5	<2		
20	Nagasaki Pref.	M	A	Whole body	1.9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	<15	<1.5	<2		
21	Nagasaki Pref.	M	A	Whole body	2.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	1.6	<1.5		
22	Nagasaki Pref.	M	A	Whole body	1.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2	<1	<1	20	1.5	<1.5		
23	Nagasaki Pref.	M	A	Whole body	2.4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	<1.5	<1.5		
24	Nagasaki Pref.	F	A	Whole body	2.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	190	<1.5	<1.5		
25	Nagasaki Pref.	F	A	Whole body	2.9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	1.8	<1.5		
26	Nagasaki Pref.	F	A	Whole body	2.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	<1.5	<1.5		
27	Nagasaki Pref.	F	A	Whole body	2.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<2	<2	<15	<1.5	<2		
28	Nagasaki Pref.	F	A	Whole body	1.9	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<2.5	<1	<1	<15	<1.5	<1.5		
29	Nagasaki Pref.	F	A	Whole body	2.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000	<1	<1	<1	<15	<1.5	<1.5		
30	Nagasaki Pref.	F	A	Whole body	2.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<200	<200	<1,000	<2,000	<2	<2.5	<2.5	16	<1.5	<2.5		

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Wood mouse-3)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (A: Adult, Jv: Juvenile)	Specimen	Lipid	No.	21	22	23	24	25	26	27	28													
						SPEED'98 No.					37	38	39	40	42	45	66										
						Bisphenol A	Di-(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Di-n-butyl- phthalate	Diethyl phthalate	Di-2-ethylhexyl adipate	Styrene monomer	Styrene dimers and trimers														
Unit					μg/kg-wet																						
					%																						
1	Saitama Pref.	M	A	Whole body	5.0	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	<8
2	Saitama Pref.	M	A	Whole body	5.5	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	<8
3	Saitama Pref.	M	A&Jv	Whole body	4.1	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
4	Saitama Pref.	M&F	A	Whole body	2.2	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
5	Saitama Pref.	M&F	A&Jv	Whole body	2.5	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
6	Saitama Pref.	F	A	Whole body	4.8	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
7	Saitama Pref.	F	A	Whole body	2.5	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
8	Fukui Pref.	M	A	Whole body	2.8	<40	310	<80	<200	<80	<80	22	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
9	Fukui Pref.	M	A	Whole body	3.8	<80	<400	<160	<400	<160	<160	19	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
10	Fukui Pref.	M	A	Whole body	5.1	<80	<400	<160	<400	<160	<160	30	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
11	Fukui Pref.	M	A	Whole body	7.7	<40	<200	<80	<200	<80	<80	10	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
12	Fukui Pref.	M&F	A	Whole body	3.7	<80	<400	<160	<400	<160	<160	15	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
13	Fukui Pref.	F	A	Whole body	2.6	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
14	Fukui Pref.	F	A	Whole body	3.6	42	<400	<160	<400	<160	<160	32	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
15	Fukui Pref.	F	A	Whole body	4.4	<40	<200	<80	<200	<80	<80	11	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
16	Fukui Pref.	F	A	Whole body	3.7	<80	<400	<160	<400	<160	<160	56	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
17	Nagasaki Pref.	M	A	Whole body	4.0	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
18	Nagasaki Pref.	M	A	Whole body	3.2	<40	390	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
19	Nagasaki Pref.	M	A	Whole body	3.1	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
20	Nagasaki Pref.	M	A	Whole body	1.9	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
21	Nagasaki Pref.	M	A	Whole body	2.2	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
22	Nagasaki Pref.	M	A	Whole body	1.6	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
23	Nagasaki Pref.	M	A	Whole body	2.4	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
24	Nagasaki Pref.	F	A	Whole body	2.2	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
25	Nagasaki Pref.	F	A	Whole body	2.9	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
26	Nagasaki Pref.	F	A	Whole body	2.0	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
27	Nagasaki Pref.	F	A	Whole body	2.2	<80	<400	<160	<400	<160	<160	<8	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	
28	Nagasaki Pref.	F	A	Whole body	1.9	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
29	Nagasaki Pref.	F	A	Whole body	2.8	<40	<200	<80	<200	<80	<80	<4	0	<8	<8	<8	<8	0	<8	<8	<8	<8	<8	<8	<8	<8	
30	Nagasaki Pref.	F	A	Whole body	2.7	<100	<500	<200	<500	<200	<200	<10	0	<20	<20	<20	<20	0	<20	<20	<20	<20	<20	<20	<20	<20	

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

Results of 1998 Research on Effects Endocrine Disrupting Chemicals on Wildlife (Japanese macaque-1)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (years of age, A: Adult, S: Young)	Specimen	Lipid	1										2	3							
						2										4	12							
						Polychlorinated biphenyls (PCBs)										Hexachlorobenzene (HCB)	Hexachlorocyclohexane							
						Chlorinated biphenyl	Dichloro biphenyl	Tychloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	PCB total*	Hexachlorobenzene (HCB)	α-HCH	β-HCH	γ-HCH	δ-HCH	HCH total*		
					Unit	%																		
						μg/kg-wet																		
1	Nagano Pref.	M	A	Liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	16	<2	<2	16		
2	Nagano Pref.	M	A	Liver	9.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
3	Nagano Pref.	M	A	Liver	4.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	7	<2	<2	7		
4	Nagano Pref.	M	4.5	Liver	5.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
5	Nagano Pref.	M	3.5	Liver	8.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0		
6	Nagano Pref.	M	3.5	Liver	4.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3		
7	Nagano Pref.	M	2.5	Liver	5.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3		
8	Nagano Pref.	M	2.5	Liver	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	8	<2	<2	8		
9	Nagano Pref.	M	0.5	Liver	5.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	5	<2	<2	5		
10	Nagano Pref.	M	0.5	Liver	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	3	<2	<2	3		
11	Nagano Pref.	F	A	Liver	5.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	15	<2	<2	15		
12	Nagano Pref.	F	A	Liver	13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	20	<2	<2	20		
13	Nagano Pref.	F	A	Liver	5.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	8	<2	<2	8		
14	Nagano Pref.	F	A	Liver	7.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
15	Nagano Pref.	F	3.5	Liver	7.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	17	<2	<2	17		
16	Nagano Pref.	F	2.5	Liver	4.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	9	<2	<2	9		
17	Nagano Pref.	F	2.5	Liver	4.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
18	Nagano Pref.	F	0.5	Liver	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	5	<2	<2	5		
19	Niigata Pref.	F	A	Liver	7.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0		
20	Niigata Pref.	F	1.5	Liver	5.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
21	Fukui Pref.	M	A	Liver, muscle	1.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3		
22	Fukui Pref.	M	A	Liver, muscle	1.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	6	<2	<2	6		
23	Fukui Pref.	M	S	Liver, muscle	9.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	0		
24	Fukui Pref.	F	A	Liver, muscle	6.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	5	<2	<2	5		
25	Fukui Pref.	F	A	Liver, muscle	4.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0		
26	Fukui Pref.	F	A	Liver, muscle	4.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	2	<2	<2	2		
27	Fukui Pref.	F	A	Liver, muscle	1.9	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0	<4	<4	4	<4	<4	0		
28	Fukui Pref.	F	S	Liver, muscle	13	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	0	<2	<2	<2	<2	<2	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 (Japanese macaque-2)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (Years of age, A: Adult, S: Young)	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	%	μ g/kg-wet																				
29	Tokyo	M	20	Fat, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
30	Tokyo	M	A	Fat, liver, muscle	4.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
31	Tokyo	M	A	Fat, liver, muscle	4.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3
32	Tokyo	M	A	Fat, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
33	Tokyo	M	A	liver	3.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	3	<2	<2	3
34	Tokyo	M	A	liver	7.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
35	Tokyo	M	S	Fat, liver	4.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
36	Tokyo	M	S	Fat, liver	3.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
37	Tokyo	M	4	Fat, liver	3.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
38	Tokyo	M	3	liver	4.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
39	Tokyo	M	1.5	Fat, liver, muscle	4.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
40	Tokyo	F	20	Fat, liver	4.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
41	Tokyo	Unknown	Unknown	liver	5.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0	<2	<2	<2	<2	<2	0
42	Hyogo Pref.1)	F	A	Blood	0.41	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
43	Hyogo Pref.1)	F	A	Blood	0.34	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<5	<5	<5	<5	<5	0
44	Hyogo Pref. 1)	F	A	Blood	0.35	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	0	<5	<5	<5	<5	<5	0
45	Hyogo Pref. 1)	F	A	Blood	0.44	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
46	Hyogo Pref. 1)	F	A	Blood	0.30	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
47	Hyogo Pref. 2)	F	A	Blood	0.32	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
48	Hyogo Pref. 3)	M	A	Blood	0.18	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0	<5	<5	<5	<5	<5	0
49	Hyogo Pref. 3)	M	A	Blood	0.26	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
50	Experimental facility	M	A	Blood	0.22	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
51	Experimental facility	F	A	Blood	0.29	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0
52	Experimental facility	F	A	Blood	0.19	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	<5	0

1) Having experience in giving birth to a baby, and no experience in giving birth* 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 (Japanese macaque-3)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (Years of age, A: Adult, S: Young)	Specimen	Lipid	4		5	6		7		8				9	10	11	12	13	14	15	16		
						SPEED'98 No.		14	15	16	18		19				23	25	26	43	33	34				
								Chlordane		Oxychlordane	trans-Nonachlor		cis-Nonachlor		DDT		DDE and DDD				Dieldrin	Heptachlor	Heptachlor epoxide	Benzo(a)pyrene	Tributyltin	Triphenyltin
Unit	%	$\mu\text{g/kg-wet}$																								
1	Nagano Pref.	M	A	Liver	4.5	<2	<2	3	<2	<2	<2	<2	10	<2	3	115	<2	5	<2	<200	<200	<1,000	<2,000			
2	Nagano Pref.	M	A	Liver	9.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	56	<2	<2	<2	<200	<200	<1,000	<2,000			
3	Nagano Pref.	M	A	Liver	4.6	<2	<2	4	<2	<2	<2	<2	<2	4	<2	<2	99	<2	<2	<2	<200	<200	<1,000	<2,000		
4	Nagano Pref.	M	4.5	Liver	5.6	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	<200	<200	<1,000	<2,000			
5	Nagano Pref.	M	3.5	Liver	8.0	<2	<2	3	<2	<2	<2	<2	<2	<2	<2	20	<2	<2	<2	<200	<200	<1,000	<2,000			
6	Nagano Pref.	M	3.5	Liver	4.8	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	<200	<200	<1,000	<2,000			
7	Nagano Pref.	M	2.5	Liver	5.0	<2	<2	4	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	<200	<200	<1,000	<2,000			
8	Nagano Pref.	M	2.5	Liver	4.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	32	<2	<2	<2	<200	<200	<1,000	<2,000			
9	Nagano Pref.	M	0.5	Liver	5.0	<2	<2	28	12	<2	<2	<2	<2	<2	<2	18	<2	10	<2	<200	<200	<1,000	<2,000			
10	Nagano Pref.	M	0.5	Liver	4.3	<2	<2	18	10	<2	<2	<2	<2	<2	<2	8	<2	5	<2	<200	<200	<1,000	<2,000			
11	Nagano Pref.	F	A	Liver	5.5	<2	<2	<2	<2	<2	<2	<2	<2	5	<2	<2	33	<2	2	<2	<200	<200	<1,000	<2,000		
12	Nagano Pref.	F	A	Liver	13	<2	<2	<2	<2	<2	<2	<2	<2	10	<2	<2	18	<2	<2	<2	<200	<200	<1,000	<2,000		
13	Nagano Pref.	F	A	Liver	5.5	<2	<2	<2	<2	<2	<2	<2	<2	2	<2	<2	47	<2	<2	<2	<200	<200	<1,000	<2,000		
14	Nagano Pref.	F	A	Liver	7.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	41	<2	<2	<2	<200	<200	<1,000	<2,000			
15	Nagano Pref.	F	3.5	Liver	7.2	<2	<2	<2	<2	<2	<2	<2	<2	8	<2	<2	17	<2	3	<2	<200	<200	<1,000	<2,000		
16	Nagano Pref.	F	2.5	Liver	4.7	<2	<2	<2	<2	<2	<2	<2	<2	2	<2	<2	38	<2	<2	<2	<200	<200	<1,000	<2,000		
17	Nagano Pref.	F	2.5	Liver	4.6	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	22	<2	<2	<2	<200	<200	<1,000	<2,000			
18	Nagano Pref.	F	0.5	Liver	4.3	<2	<2	11	6	<2	<2	<2	<2	<2	<2	6	<2	4	<2	<200	<200	<1,000	<2,000			
19	Niigata Pref.	F	A	Liver	7.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000			
20	Niigata Pref.	F	1.5	Liver	5.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000			
21	Fukui Pref.	M	A	Liver, muscle	1.9	<2	<2	8	4	<2	<2	<2	<2	<2	<2	4	<2	5	<2	<200	<200	<1,000	<2,000			
22	Fukui Pref.	M	A	Liver, muscle	1.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2	<2	<2	<2	<200	<200	<1,000	<2,000			
23	Fukui Pref.	M	S	Liver, muscle	9.7	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000			
24	Fukui Pref.	F	A	Liver, muscle	6.2	3	<2	27	6	<2	<2	<2	<2	<2	<2	3	<2	178	<2	<200	<200	<1,000	<2,000			
25	Fukui Pref.	F	A	Liver, muscle	4.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	<200	<200	<1,000	<2,000			
26	Fukui Pref.	F	A	Liver, muscle	4.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	<2	<200	<200	<1,000	<2,000			
27	Fukui Pref.	F	A	Liver, muscle	1.9	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<200	<200	<1,000	<2,000			
28	Fukui Pref.	F	S	Liver, muscle	13	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	9	<2	<2	<2	<200	<200	<1,000	<2,000			

Results of 1998 Research on Effects of Endocrine Disrupting Chemicals on Wildlife (Japanese macaque-4)

(Concentration per wet weight)

No.	Specimen collection site	Gender (M: Male, F: Female)	Age (Years of age, A: Adult, S: Young)	Specimen	Lipid	4		5	6		7		8				9	10	11	12	13	14	15	16		
						SPEED '98 No.		14	15	16	18		19				23	25	26	43	33	34				
						Chlordane		cis-Chlordane	trans-Chlordane	Oxychlordane	trans-Nonachlor	cis-Nonachlor	DDT		DDE and DDD				Dieldrin	Heptachlor	Heptachlor epoxide	Benzo(a)pyrene	Tributyltin	Triphenyltin	Dibutyltin	Monobutyltin
Unit	%	μ g/kg-wet																								
29	Tokyo	M	20	Fat, liver	4.5	<2	<2	6	3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000			
30	Tokyo	M	A	Fat, liver	4.3	<2	<2	12	4	<2	<2	<2	<2	<2	<2	<2	3	<2	3	<2	<200	<200	<1,000	<2,000		
31	Tokyo	M	A	Fat, liver	4.1	<2	<2	9	4	<2	<2	<2	<2	<2	<2	<2	4	<2	4	<2	<200	<200	<1,000	<2,000		
32	Tokyo	M	A	Fat, liver	4.5	<2	<2	10	4	<2	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<200	<200	<1,000	<2,000		
33	Tokyo	M	A	Liver	3.5	<2	<2	12	7	<2	<2	<2	<2	<2	<2	<2	<2	<2	8	<2	<200	<200	<1,000	<2,000		
34	Tokyo	M	A	Liver	7.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000		
35	Tokyo	M	S	Fat, liver	4.5	<2	<2	6	3	<2	<2	<2	<2	<2	<2	<2	2	<2	<2	<2	<200	<200	<1,000	<2,000		
36	Tokyo	M	S	Fat, liver	3.9	<2	<2	7	3	<2	<2	<2	<2	<2	<2	<2	3	<2	<2	<2	<200	<200	<1,000	<2,000		
37	Tokyo	M	4	Fat, liver	3.9	<2	<2	5	3	<2	<2	<2	<2	<2	<2	<2	3	<2	2	<2	<200	<200	<1,000	<2,000		
38	Tokyo	M	3	Liver	4.1	<2	<2	8	4	<2	<2	<2	<2	<2	<2	<2	4	<2	3	<2	<200	<200	<1,000	<2,000		
39	Tokyo	M	1.5	Fat, liver	4.6	<2	<2	6	3	<2	<2	<2	<2	<2	<2	<2	<2	<2	2	<2	<200	<200	<1,000	<2,000		
40	Tokyo	F	20	Fat, liver	4.8	<2	<2	5	3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<200	<200	<1,000	<2,000		
41	Tokyo	Unknown	Unknown	Liver	5.9	<2	<2	9	4	<2	<2	<2	<2	<2	<2	<2	4	<2	4	<2	<200	<200	<1,000	<2,000		
42	Hyogo Pref. 1)	F	A	Blood	0.41	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
43	Hyogo Pref. 1)	F	A	Blood	0.34	<5	<5	<5	<5	<5	<5	<5	<5	9	6	13	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
44	Hyogo Pref. 1)	F	A	Blood	0.35	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
45	Hyogo Pref. 1)	F	A	Blood	0.44	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
46	Hyogo Pref. 1)	F	A	Blood	0.30	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
47	Hyogo Pref. 2)	F	A	Blood	0.32	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
48	Hyogo Pref. 3)	M	A	Blood	0.18	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
49	Hyogo Pref. 3)	M	A	Blood	0.26	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
50	Experimental facility	M	A	Blood	0.22	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
51	Experimental facility	F	A	Blood	0.29	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		
52	Experimental facility	F	A	Blood	0.19	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<200	<200	<1,000	<2,000		

1) Having experience in giving birth to a baby, and no experience in giving birth to a deformed baby •2) Having experience in giving birth to a deformed baby •3) Deformed specimen