

Measured results of aquatic animals and plant life (in general water areas) (No.207)

							Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds												
No.							1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19									
SPEED'98							2										3							33	34											
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decachloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin								
							units																													
							Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	10	1	1						
							Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0.3 ~ 0.7	0.00 ~ 0.07						
河川 Rivers	1	北海道 Hokkaido	貴氣別川 Nukibetsu-gawa	2級 2nd	岩見橋下流 Iwambashi-karyu	サケ salmon	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	1								
	2		久根別川 Kunebetsu-gawa	2級 2nd	茨波(大川及び鳴川)北の合流点 Shiyui/Oikawa syubi Nankawa/tono goryuetsu	ウグイ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	3								
	3	札幌市 Sapporo-shi	新川 Shinkawa	2級 2nd	西陵橋下流 Sairyo-bashi karyu	コイ carp, common carp	Jan.28	N.D.	N.D.	2.2	4.4	1.8	1.2	N.D.	N.D.	N.D.	N.D.	9.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7	N.D.								
	4		創成川 Souseigawa	1級 1st	JR札幌線鉄道橋 JR Satsunumasen railway bridge	コイ carp, common carp	Mar.9	N.D.	N.D.	2.0	8.3	13	8.9	1.4	N.D.	N.D.	N.D.	34	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	2								
	5	青森県 Aomori-Pref.	奥入瀬川 Okurisegawa	2級 2nd	幸運橋付近 Koun-bashi fukin	ウグイ common dace, Japanese dace	Oct.26	N.D.	N.D.	4.2	5.0	0.9	0.5	N.D.	N.D.	N.D.	N.D.	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1									
	6		堤川 Tsumigawa	2級 2nd	河口部(甲田橋下流) Kakobu(Kouda-bashi karyu)	ハゼ goby	Nov.29	N.D.	N.D.	1.2	2.2	3.0	2.6	N.D.	N.D.	N.D.	N.D.	9.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	2								
	7	岩手県 Iwate-Pref.	閉伊川 Heigawa	2級 2nd	花輪橋 Hanawa-bashi	ウグイ common dace, Japanese dace	Oct.22	N.D.	N.D.	N.D.	N.D.	2.6	1.9	N.D.	N.D.	N.D.	N.D.	4.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.								
	8		気仙川 Kesengawa	2級 2nd	金成橋付近 Kannari-bashi fukin	ウグイ common dace, Japanese dace	11月3日	N.D.	N.D.	N.D.	N.D.	0.4	1.4	N.D.	N.D.	N.D.	N.D.	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	1								
	9	宮城県 Miyagi-Pref.	江合川 Eaigawa	1級 1st	及川橋付近 Oikawa-bashi fukin	マブナ gibel, gibellian	Nov.18	N.D.	N.D.	0.6	1.3	6.8	3.2	N.D.	N.D.	N.D.	N.D.	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.								
	10		伊豆沼 Izunuma	1級 1st	伊豆沼中央付近 Izunuma cyuo fukin	ヘラブナ deepbodied crucian carp	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.								
	11	仙台市 Sendai-shi	広瀬川 Hirosegawa	1級 1st	三橋 Mitsuhashi	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	1.9	4.9	7.2	6.7	1.5	N.D.	N.D.	N.D.	22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	10								
	12		七北田川 Nanakitata-gawa	2級 2nd	今市橋 Imaichi-bashi	オイカ common minnow, pale chub	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1								
	13	秋田県 Akita-Pref.	太平川 Taiheigawa	1級 1st	牛島橋付近 Ushijima-bashi fukin	コイ carp, common carp	Nov.15	N.D.	N.D.	1.4	1.1	2.1	1.2	N.D.	N.D.	N.D.	N.D.	5.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.								
	14		丸子川 Marukogawa	1級 1st	丸子橋付近 Maruko-bashi fukin	ウグイ common dace, Japanese dace	1月27日	N.D.	N.D.	2.2	4.2	2.5	2.0	N.D.	N.D.	N.D.	N.D.	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.								
	15	山形県 Yamagata-Pref.	内川 Uchigawa	1級 1st	西三川橋付近 Nishimikawa-bashi fukin	ウグイ common dace, Japanese dace	Oco.28	N.D.	N.D.	1.2	3.9	62	61	8.5	N.D.	N.D.	N.D.	140	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.								
	16		馬見ヶ崎川 Umamigasaki-gawa	1級 1st	白川橋 Shirakawa-bashi	フナ crucian carp	Nov.6	N.D.	N.D.	N.D.	1.4	1.3	0.9	N.D.	N.D.	N.D.	N.D.	3.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.								

Measured results of aquatic animals and plant life (in general water areas) (No.208)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																											
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33																	
SPEED' 98						36							43	46	47	48	66																							
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin								
						units																																		
						Minimum detection value						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg				
						Range of blank value						1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2			1	1	1	1		1	1	1	1	1	1	1	1	1	1
												0.0	0.0	0.0	0.0	0.0	3	0.0	0.0	0	0	0	0			0	0	0	0		0	0	0	0	0	0	0	0	0	
河川 Rivers	1	北海道 Hokkaido	貫気別川 Nukibetsu-gawa	2級 2nd	岩見橋下流 Iwambashi-karyu	サケ salmon	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	2		久根別川 Kunebetsu-gawa	2級 2nd	茨波(大川及び鳴川)北の合流点 Shiyu/Otakawa oyubi Nankawa/tono goryuten	ウグイ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	3	札幌市 Sapporo-shi	新川 Shinkawa	2級 2nd	西陵橋下流 Sairyo-bashi karyu	コイ carp, common carp	Jan.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	4		創成川 Souseigawa	1級 1st	JR札沼線鉄道橋 JR Satsunumasen railway bridge	コイ carp, common carp	Mar.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	5	青森県 Aomori-Pref.	奥入瀬川 Okuirisegawa	2級 2nd	幸運橋付近 Koun-bashi fukin	ウグイ common dace, Japanese dace	Oct.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	6		堤川 Tsumigawa	2級 2nd	河口部(甲田橋下流) Kakobu(Kouda-bashi karyu)	ハゼ goby	Nov.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	7	岩手県 Iwate-Pref.	閉伊川 Heigawa	2級 2nd	花輪橋 Hanawa-bashi	ウグイ common dace, Japanese dace	Oct.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	8		気仙川 Kesengawa	2級 2nd	金成橋付近 Kannari-bashi fukin	ウグイ common dace, Japanese dace	11月3日	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	9	宮城県 Miyagi-Pref.	江合川 Eaigawa	1級 1st	及川橋付近 Oikawa-bashi fukin	マブナ gibel, gibellian	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
	10		伊豆沼 Izunuma	1級 1st	伊豆沼中央付近 Izunuma cyuo fukin	ヘラブナ deepbodied crucian carp	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
	11	仙台市 Sendai-shi	広瀬川 Hirosegawa	1級 1st	三橋 Mitsuhashi	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	12		七北田川 Nanakitata-gawa	2級 2nd	今市橋 Imaichi-bashi	オイワ common minnow, pale chub	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	41	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	13	秋田県 Akita-Pref.	太平川 Taiheigawa	1級 1st	牛島橋付近 Ushijima-bashi fukin	コイ carp, common carp	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	81	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	N.D.	4	N.D.	6	2	2	1	N.D.	N.D.	N.D.	1			
	14		丸子川 Marukogawa	1級 1st	丸子橋付近 Maruko-bashi fukin	ウグイ common dace, Japanese dace	1月27日	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	15	山形県 Yamagata-Pref.	内川 Uchigawa	1級 1st	西三川橋付近 Nishimikawa-bashi fukin	ウグイ common dace, Japanese dace	Oco.28	N.D.	N.D.	N.D.	N.D.	N.D.	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	16		馬見ヶ崎川 Umamigasaki-gawa	1級 1st	白川橋 Shirakawa-bashi	フナ crucian carp	Nov.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			

Measured results of aquatic animals and plant life (in general water areas) (No.209)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							units														
							Minimum detection value														
							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
							Range of blank value														
							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	0	34 ~ 95	0	0 ~ 6	0.0	0.0 ~ 0.7	
河川 Rivers	1	北海道 Hokkaido	貫気別川 Nukibetsu-gawa	2級 2nd	岩見橋下流 Iwambashi-karyu	サケ salmon	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	2		久根別川 Kunebetsu-gawa	2級 2nd	茨波(大川及び鳴川)との合流点 Shiryu(Ookawa syobi Nankawa)tono goryuten	ウグイ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	26	N.D.	N.D.	2	N.D.	
	3	札幌市 Sapporo-shi	新川 Shinkawa	2級 2nd	西陵橋下流 Sairyo-bashi karyu	コイ carp, common carp	Jan.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	4		創成川 Souseigawa	1級 1st	JR札沼線鉄道橋 JR Satsunumasen railway bridge	コイ carp, common carp	Mar.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	5	青森県 Aomori-Pref.	奥入瀬川 Okuirisegawa	2級 2nd	幸運橋付近 Koun-bashi fukin	ウグイ common dace, Japanese dace	Oct.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	6		堤川 Tsutsumigawa	2級 2nd	河口部(甲田橋下流) Kakobu(Kouda-bashi karyu)	ハゼ goby	Nov.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	
	7	岩手県 Iwate-Pref.	閉伊川 Heiigawa	2級 2nd	花輪橋 Hanawa-bashi	ウグイ common dace, Japanese dace	Oct.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	8		気仙川 Kesengawa	2級 2nd	金成橋付近 Kannari-bashi fukin	ウグイ common dace, Japanese dace	11月3日	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	9	宮城県 Miyagi-Pref.	江合川 Eaigawa	1級 1st	及川橋付近 Oikawa-bashi fukin	マブナ gibel, gibellian	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	10		伊豆沼 Izunuma	1級 1st	伊豆沼中央付近 Izunuma cyuo fukin	ヘラブナ deepbodied crucian carp	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	11	仙台市 Sendai-shi	広瀬川 Hirosegawa	1級 1st	三橋 Mitsuhashi	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	12		七北田川 Nanakitata-gawa	2級 2nd	今市橋 Imaichi-bashi	オイカブ common minnow, pale chub	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	13	秋田県 Akita-Pref.	太平川 Taiheigawa	1級 1st	牛島橋付近 Ushijima-bashi fukin	コイ carp, common carp	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	14		丸子川 Marukogawa	1級 1st	丸子橋付近 Maruko-bashi fukin	ウグイ common dace, Japanese dace	1月27日	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	N.D.	
	15	山形県 Yamagata-Pref.	内川 Uchigawa	1級 1st	西三川橋付近 Nishimikawa-bashi fukin	ウグイ common dace, Japanese dace	Oco.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	43	N.D.	N.D.	11	2	
	16		馬見ヶ崎川 Umamigasaki-gawa	1級 1st	白川橋 Shirakawa-bashi	フナ crucian carp	Nov.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.210)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10	1	1		
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3 ~ 0.7	0.00 ~ 0.07		
	17	福島県 Fukushima-Pref.	新田川 Shintagawa	2級 2nd	新桜井橋~鮭川橋 Shinsakurai-bashi~Sakegawa-bashi	ニオイ skin carp, steed barbel(Japanese barbel)	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	18		夏井川支流横川 Natsugawa-shiryu-yokokawa	2級 2nd	横川橋 Yokokawa-bashi	ウグイ common dace, Japanese dace	Nov.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9	5	
	19	茨城県 Ibaragi-Pref.	桜川 Sakuragawa	1級 1st	栄利橋 Eiri-bashi	コイ carp, common carp	Nov.3	N.D.	N.D.	0.5	1.3	2.1	2.8	N.D.	N.D.	N.D.	N.D.	6.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	2	
	20		大北川 Ookitagawa	2級 2nd	JR鉄橋 JR railway bridge	マルタ far eastern dace	Nov.11	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	21	栃木県 Tochigi-Pref.	五行川 Gogyougawa	1級 1st	桂橋 Katsura-bashi	オイワ common minnow, pale chub	Jan.26	N.D.	N.D.	0.8	N.D.	1.8	1.6	N.D.	N.D.	N.D.	N.D.	4.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	22		那珂川 Nakagawa	1級 1st	黒羽 Kurobane	ウグイ common dace, Japanese dace	Nov.16	N.D.	N.D.	N.D.	N.D.	1.2	1.8	N.D.	N.D.	N.D.	N.D.	3.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	23	群馬県 Gunma-Pref.	吾妻川 Agatsumagawa	1級 1st	吾妻橋下流200m Agatsuma-bashi karyu 200m	ウグイ common dace, Japanese dace	Nov.25	N.D.	N.D.	N.D.	4.3	5.2	3.0	N.D.	N.D.	N.D.	N.D.	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	24		広瀬川 Hirosegawa	1級 1st	中島橋上流約200m Nakajima-bashi joryu yaku 200m	コイ carp, common carp	Dec.4	N.D.	N.D.	1.2	0.4	1.1	0.9	N.D.	N.D.	N.D.	N.D.	3.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.	
	25	埼玉県 Saitama-Pref.	市野川 Ichinogawa	1級 1st	徒歩橋下流800m Toho-bashi karyu 800m	コイ carp, common carp	Dec.1	N.D.	N.D.	0.7	N.D.	0.9	1.2	N.D.	N.D.	N.D.	N.D.	2.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	26		新河岸川 Shinkawagishigawa	1級 1st	いろは橋下流100m Iroha-bashi karyu 100m	コイ carp, common carp	Dec.10	N.D.	N.D.	5.3	12	5.1	2.7	N.D.	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.	
	27	千葉県 Chiba-Pref.	養老川 Yourougawa	2級 2nd	廿五里橋 Jyugori-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	0.7	N.D.	2.7	3.2	0.5	N.D.	N.D.	N.D.	7.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	36	1	
	28		夷隅川 Isumigawa	2級 2nd	苅谷橋 Kariya-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	1.5	7.6	20	11	0.6	N.D.	N.D.	N.D.	41	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9	2	
	29	千葉市 Chiba-shi	印旛放水路 Imbahousuiro	1級 1st	汐留橋 Shiodome-bashi	ヘラブナ deepbodied crucian carp	Nov.30	N.D.	N.D.	8.8	17	8.7	2.8	N.D.	N.D.	N.D.	N.D.	37	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	
	30		都川 Miyakogawa	2級 2nd	青柳橋 Aoyagi-bashi	コイ carp, common carp	Nov.27	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.	
	31	東京都 Tokyo	黒目川 Kuromegawa	1級 1st	神宝大橋 Jinhooohashi	コイ carp, common carp	Nov.19	N.D.	N.D.	0.8	0.9	1.7	0.4	N.D.	N.D.	N.D.	N.D.	3.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.	
	32		秋川 Akikawa	1級 1st	東秋川橋 Higashi Akikawa-bashi	オイワ common minnow, pale chub	Nov.19	N.D.	N.D.	0.7	1.0	3.7	3.6	N.D.	N.D.	N.D.	N.D.	9.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	



Measured results of aquatic animals and plant life (in general water areas) (No.212)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0		
	17	福島県 Fukushima-Pref.	新田川 Shintagawa	2級 2nd	新桜井橋~鮭川橋 Shinsakurai-bashi~Sakegawa-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.16	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	18		夏井川支流横川 Natsugawa-shiryu-yokokawa	2級 2nd	横川橋 Yokokawa-bashi	ウケイ common dace, Japanese dace	Nov.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	19	茨城県 Ibaragi-Pref.	桜川 Sakuragawa	1級 1st	栄利橋 Eiri-bashi	コイ carp, common carp	Nov.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	39	N.D.	N.D.	N.D.	N.D.	N.D.	
	20		大北川 Ookitagawa	2級 2nd	JR鉄橋 JR railway bridge	マルタ far eastern dace	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	21	栃木県 Tochigi-Pref.	五行川 Gogyougawa	1級 1st	桂橋 Katsura-bashi	オカワ common minnow, pale chub	Jan.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	22		那珂川 Nakagawa	1級 1st	黒羽 Kurobane	ウケイ common dace, Japanese dace	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	23	群馬県 Gunma-Pref.	吾妻川 Agatsumagawa	1級 1st	吾妻橋下流200m Agatsuma-bashi karyu 200m	ウケイ common dace, Japanese dace	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	24		広瀬川 Hirosegawa	1級 1st	中島橋上流約200m Nakajima-bashi joryu yaku 200m	コイ carp, common carp	Dec.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	25	埼玉県 Saitama-Pref.	市野川 Ichinogawa	1級 1st	徒歩橋下流800m Toho-bashi karyu 800m	コイ carp, common carp	Dec.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	26		新河岸川 Shinkawagishigawa	1級 1st	いろは橋下流100m Iroha-bashi karyu 100m	コイ carp, common carp	Dec.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	27	千葉県 Chiba-Pref.	養老川 Yourougawa	2級 2nd	廿五里橋 Jyugori-bashi	ナ crucian carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	27	N.D.	N.D.	N.D.	N.D.	N.D.	
	28		夷隅川 Isumigawa	2級 2nd	苅谷橋 Kariya-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	29	千葉市 Chiba-shi	印旛放水路 Imbahousuiro	1級 1st	汐留橋 Shiodome-bashi	ヘラブナ deepbodied crucian carp	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	55	N.D.	N.D.	11	N.D.	N.D.	
	30		都川 Miyakogawa	2級 2nd	青柳橋 Aoyagi-bashi	コイ carp, common carp	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	31	東京都 Tokyo	黒目川 Kuromegawa	1級 1st	神宝大橋 Jinhooohashi	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	32		秋川 Akikawa	1級 1st	東秋川橋 Higashi Akikawa-bashi	オカワ common minnow, pale chub	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.213)

							Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds								
No.							1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19					
SPEED'98							2										3							33	34							
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin				
							units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	10	1	1	
							Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0.3 ~ 0.7	0.00 ~ 0.07	
	33		浅川 Asagawa	1級 1st	長沼橋 Naganuma-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	4.5	20	19	7.6	0.4	N.D.	N.D.	N.D.	52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.				
	34		境川 Sakaigawa	2級 2nd	鶴間一号橋 Tsurumaichigo-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	20	36	34	19	2.2	N.D.	N.D.	N.D.	110	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.				
	35	神奈川県 Kanagawa-Pref.	酒匂川 Sakawagawa	2級 2nd	酒匂橋 Sakawa-bashi	フナ crucian carp	Nov.28	N.D.	N.D.	0.9	2.6	4.3	2.7	N.D.	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.				
	36		金目川 Kanamegawa	2級 2nd	花水橋 Hanamizu-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	3.4	2.2	1.4	N.D.	N.D.	N.D.	N.D.	7.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.				
	37	横浜市 Yokohama-shi	鶴見川 Tsurumigawa	1級 1st	学校橋 Gakko-bashi	コイ carp, common carp	Dec.18	N.D.	N.D.	1.5	5.4	3.0	1.3	N.D.	N.D.	N.D.	N.D.	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.				
	38		恩田川 Ondagawa	1級 1st	都橋 Miyako-bashi	コイ carp, common carp	Dec.8	N.D.	N.D.	5.4	12	4.6	2.6	N.D.	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7	2				
	39	川崎市 Kawasaki-shi	平瀬川 Hirasegawa	1級 1st	平瀬橋上流 Hirase-bashi joryyu	コイ carp, common carp	Nov.26	N.D.	2.1	12	15	13	6.2	0.6	N.D.	N.D.	N.D.	49	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	5				
	40		三沢川 Mitsusawa-gawa	1級 1st	一の橋 Ichino-hash	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	4.0	5.1	3.6	N.D.	N.D.	N.D.	N.D.	13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.				
	41	新潟県 Niigata-Pref.	新川 Shinkawa	2級 2nd	楨尾大橋下流 Makio Oohashi karyu	マルタケイ far eastern dace	Nov.23	N.D.	N.D.	N.D.	4.8	5.3	4.2	N.D.	N.D.	N.D.	N.D.	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	4				
	42		鱒石川 Sabaishigawa	2級 2nd	安政橋付近 Ansei-bashi fukin	フナ crucian carp	Dec.6	N.D.	N.D.	1.1	3.2	5.9	2.7	N.D.	N.D.	N.D.	N.D.	13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.				
	43	富山県 Toyama-Pref.	白岩川 Shiroiwagawa	2級 2nd	東西橋付近 Tozai-bashi fukin	ウケイ common dace, Japanese dace	Nov.27	N.D.	0.5	N.D.	0.6	2.2	3.4	N.D.	N.D.	N.D.	N.D.	6.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	9				
	44		黒瀬川 Kurosegawa	2級 2nd	石田橋 Ishida-bashi	ウケイ common dace, Japanese dace	Dec.9	N.D.	N.D.	0.9	8.5	96	96	11	0.5	N.D.	N.D.	210	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	7				
	45	石川県 Ishikawa-Pref.	犀川 Saigawa	2級 2nd	二ツ寺橋上流約800m Futatsu-bashi joryyu yaku 800m	ボラ grey mullet, striped mullet, common mullet	Sep.22	N.D.	N.D.	3.1	10	11	5.6	0.5	N.D.	N.D.	N.D.	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.				
	46		大聖寺川 Daishojigawa	2級 2nd	三ツ橋上流約2km Mitsuhashi joryyu yaku 2km	フナ crucian carp	Jan.22	N.D.	N.D.	2.6	5.0	21	17	1.2	N.D.	N.D.	N.D.	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.				
	47	福井県 Fukui-Pref.	日野川 Hinogawa	1級 1st	清水山橋 Shimizuyama-bashi	ウケイ common dace, Japanese dace	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	N.D.	N.D.	N.D.	N.D.	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5				
	48		笙の川 Shonokawa	2級 2nd	三島橋 Mishima-bashi	オイワ common minnow, pale chub	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			

Measured results of aquatic animals and plant life (in general water areas) (No.214)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																							
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33													
SPEED'98						36							43	46	47	48	66																			
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin				
						units																														
						Minimum detection value	1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2				1	1	1	1		1	1	1	1	1	1	1	1	1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0				0	0	0	0		0	0	0	0	0	0	0	0	0	
	33		浅川 Asagawa	1級 1st	長沼橋 Naganuma-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	34		境川 Sakaigawa	2級 2nd	鶴間一号橋 Tsurumaichigo-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	35	神奈川県 Kanagawa-Pref.	酒匂川 Sakawagawa	2級 2nd	酒匂橋 Sakawa-bashi	フナ crucian carp	Nov.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	36		金目川 Kanamegawa	2級 2nd	花水橋 Hanamizu-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	37	横浜市 Yokohama-shi	鶴見川 Tsurumigawa	1級 1st	学校橋 Gakko-bashi	コイ carp, common carp	Dec.18	N.D.	N.D.	N.D.	N.D.	N.D.	21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	38		恩田川 Ondagawa	1級 1st	都橋 Miyako-bashi	コイ carp, common carp	Dec.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	39	川崎市 Kawasaki-shi	平瀬川 Hirasegawa	1級 1st	平瀬橋上流 Hirase-bashi joryyu	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	32	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.		
	40		三沢川 Mitsusawa-gawa	1級 1st	一の橋 Ichino-hash	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.		
	41	新潟県 Niigata-Pref.	新川 Shinkawa	2級 2nd	槇尾大橋下流 Makio Oohashi karyu	マルタケイ far eastern dace	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	49	9.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9	3	2	4	N.D.	N.D.	N.D.	N.D.	N.D.			
	42		鱒石川 Sabaishigawa	2級 2nd	安政橋付近 Ansei-bashi fukin	フナ crucian carp	Dec.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	2	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2		
	43	富山県 Toyama-Pref.	白岩川 Shiroiwagawa	2級 2nd	東西橋付近 Tozai-bashi fukin	ウグイ common dace, Japanese dace	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	44		黒瀬川 Kurosegawa	2級 2nd	石田橋 Ishida-bashi	ウグイ common dace, Japanese dace	Dec.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	45	石川県 Ishikawa-Pref.	犀川 Saigawa	2級 2nd	二ツ寺橋上流約800m Futatsu-bashi joryu yaku 800m	ボラ grey mullet, striped mullet, common mullet	Sep.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	56	1	N.D.	2	N.D.	4	N.D.	49				
	46		大聖寺川 Daishojigawa	2級 2nd	三ツ橋上流約2km Mitsuhashi joryu yaku 2km	フナ crucian carp	Jan.22	N.D.	N.D.	N.D.	N.D.	N.D.	32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	N.D.	N.D.	1	N.D.	N.D.	N.D.	9				
	47	福井県 Fukui-Pref.	日野川 Hinogawa	1級 1st	清水山橋 Shimizuyama-bashi	ウグイ common dace, Japanese dace	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	48		笙の川 Shonokawa	2級 2nd	三島橋 Mishima-bashi	オヤワ common minnow, pale chub	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			



Measured results of aquatic animals and plant life (in general water areas) (No.215)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
units																					
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0 ~ 6	0.0	0.0 ~ 0.7		
	33		浅川 Asagawa	1級 1st	長沼橋 Naganuma-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	34		境川 Sakaigawa	2級 2nd	鶴間一号橋 Tsurumaichigo-bashi	コイ carp, common carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	35	神奈川県 Kanagawa-Pref.	酒匂川 Sakawagawa	2級 2nd	酒匂橋 Sakawa-bashi	フナ crucian carp	Nov.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	36		金目川 Kanamegawa	2級 2nd	花水橋 Hanamizu-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	37	横浜市 Yokohama-shi	鶴見川 Tsurumigawa	1級 1st	学校橋 Gakko-bashi	コイ carp, common carp	Dec.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	38		恩田川 Ondagawa	1級 1st	都橋 Miyako-bashi	コイ carp, common carp	Dec.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	39	川崎市 Kawasaki-shi	平瀬川 Hirasegawa	1級 1st	平瀬橋上流 Hirase-bashi joryyu	コイ carp, common carp	Nov.26	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	40		三沢川 Mitsusawa-gawa	1級 1st	一の橋 Ichino-hash	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	41	新潟県 Niigata-Pref.	新川 Shinkawa	2級 2nd	槇尾大橋下流 Makio Oohashi karyu	マルタケイ far eastern dace	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	
	42		鱒石川 Sabaishigawa	2級 2nd	安政橋付近 Ansei-bashi fukin	フナ crucian carp	Dec.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	43	富山県 Toyama-Pref.	白岩川 Shiroiwagawa	2級 2nd	東西橋付近 Tozai-bashi fukin	ウグイ common dace, Japanese dace	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	44		黒瀬川 Kurosegawa	2級 2nd	石田橋 Ishida-bashi	ウグイ common dace, Japanese dace	Dec.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	45	石川県 Ishikawa-Pref.	犀川 Saigawa	2級 2nd	二ツ寺橋上流約800m Futatsu-bashi joryyu yaku 800m	ボラ grey mullet, striped mullet, common mullet	Sep.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	36	N.D.	N.D.	N.D.	N.D.	N.D.	
	46		大聖寺川 Daishojigawa	2級 2nd	三ツ橋上流約2km Mitsuhashi joryyu yaku 2km	フナ crucian carp	Jan.22	9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	26	N.D.	N.D.	2	N.D.	N.D.	
	47	福井県 Fukui-Pref.	日野川 Hinogawa	1級 1st	清水山橋 Shimizu-yama-bashi	ウグイ common dace, Japanese dace	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	48		笙の川 Shonokawa	2級 2nd	三島橋 Mishima-bashi	オイカワ common minnow, pale chub	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.216)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						units																								
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10		1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3 ~ 0.7	0.00 ~ 0.07	
	49	山梨県 Yamanashi-Pref.	笛吹川 Fuefukigawa	1級 1st	三郡東橋 Sangun Higashi-bashi	コイ carp, common carp	Jan.14	N.D.	N.D.	1.0	4.3	9.0	8.2	0.5	N.D.	N.D.	N.D.	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	50		相模川 Sagamigawa	1級 1st	桂川橋上流域 Katsuragawa-bashi joryuiki	ウグイ common dace, Japanese dace	Nov.23	N.D.	N.D.	N.D.	7.9	17	10	1.6	N.D.	N.D.	N.D.	36	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	51	長野県 Nagano-Pref.	田川 Tagawa	1級 1st	新田川橋上流 Shintagawa-bashi joryu	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	0.8	1.0	3.5	3.5	N.D.	N.D.	N.D.	N.D.	8.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	52		松川 Matsukawa	1級 1st	永代橋 Eidai-bashi	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	1.1	2.5	2.7	N.D.	N.D.	N.D.	N.D.	6.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	53	岐阜県 Gifu-Pref.	長良川 Nagaragawa	1級 1st	藍川橋下流約300m Aikawa-bashi karyu yaku 300m	ウグイ common dace, Japanese dace	Nov.7	N.D.	N.D.	7.3	20	12	8.1	N.D.	N.D.	N.D.	N.D.	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	1	
	54		宮川 Miyagawa	1級 1st	宮城橋付近 Miyagi-bashi fukin	ウグイ common dace, Japanese dace	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	0.4	N.D.	N.D.	N.D.	N.D.	0.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	55	静岡県 Shizuoka-Pref.	都田川 Miyakodagawa	2級 2nd	落合橋 Ochiai-bashi	アユ ayu	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	56		太田川 Ootagawa	2級 2nd	二瀬橋 Futase-bashi	オイカワ common minnow, pale chub	Oco.31	N.D.	N.D.	0.4	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	1.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	57	愛知県 Aichi-Pref.	日光川 Nikkougawa	2級 2nd	日光橋 Nikko-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	1.1	7.9	17	8.2	N.D.	N.D.	N.D.	N.D.	34	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	1	
	58		境川 Sakaigawa	2級 2nd	新境橋 Shinsakai-bashi	フナ crucian carp	Nov.26	N.D.	N.D.	0.9	3.5	2.9	1.6	N.D.	N.D.	N.D.	N.D.	8.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.	
	59	名古屋市 Nagoya-shi	天白川 Tenpakugawa	2級 2nd	天白橋 Tenpaku-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	0.9	1.9	2.0	N.D.	N.D.	N.D.	N.D.	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	2	
	60		荒子川 Arakogawa	普通 Normal	荒子川ポンプ所上流域 Arakogawa ponpujo joryuiki	テラピア mozambique tilapia	Nov.19	N.D.	1.7	16	28	15	4.0	N.D.	N.D.	N.D.	N.D.	65	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	61	三重県 Mie-Pref.	安濃川 Anougawa	2級 2nd	御山荘橋 Gosanso-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.19	N.D.	N.D.	0.4	1.1	7.7	13	2.5	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	62		員弁川 Inabegawa	2級 2nd	町屋大橋 Machiya Oohashi	ハマドシミ brackish-water-clam	May.10	N.D.	N.D.	N.D.	0.6	0.5	2.0	N.D.	N.D.	N.D.	N.D.	3.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	
	63	滋賀県 Shiga-Pref.	宇曾川 Usogawa	1級 1st	河口 Kako	オオクチバス black bass, largemouth(black) bass	Nov.24	N.D.	N.D.	0.8	0.5	2.0	2.4	N.D.	N.D.	N.D.	N.D.	5.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	2	
	64		守山川 Moriyamagawa	1級 1st	河口付近 Kako fukin	ブルーギル bluegill, bluegill sunfish	May.29	N.D.	N.D.	0.9	3.6	11	10	0.5	N.D.	N.D.	N.D.	26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11	29	

Measured results of aquatic animals and plant life (in general water areas) (No.217)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																								
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33														
SPEED'98						36							43	46	47	48	66																				
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin					
						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	
						Minimum detection value		Range of blank value																													
						1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		0	0	0	0		0	0	0	0	0	0	0	0	0
						0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0
	49	山梨県 Yamanashi-Pref.	笛吹川 Fuefukigawa	1級 1st	三郡東橋 Sangun Higashi-bashi	コイ carp, common carp	Jan.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	
	50		相模川 Sagami-gawa	1級 1st	桂川橋上流域 Katsuragawa-bashi joryuiki	ウグイ common dace, Japanese dace	Nov.23	N.D.	N.D.	N.D.	N.D.	47	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	51	長野県 Nagano-Pref.	田川 Tagawa	1級 1st	新田川橋上流 Shintagawa-bashi joryu	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	52		松川 Matsukawa	1級 1st	永代橋 Eidai-bashi	ウグイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	53	岐阜県 Gifu-Pref.	長良川 Nagarakawa	1級 1st	藍川橋下流約300m Aikawa-bashi karyu yaku 300m	ウグイ common dace, Japanese dace	Nov.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	54		宮川 Miyagawa	1級 1st	宮城橋付近 Miyagi-bashi fukin	ウグイ common dace, Japanese dace	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	55	静岡県 Shizuoka-Pref.	都田川 Miyakodagawa	2級 2nd	落合橋 Ochiai-bashi	アユ ayu	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	56		太田川 Ootagawa	2級 2nd	二瀬橋 Futase-bashi	オイカワ common minnow, pale chub	Oco.31	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.		
	57	愛知県 Aichi-Pref.	日光川 Nikkogawa	2級 2nd	日光橋 Nikko-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	250	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.	N.D.	6	N.D.	23	4	1	1	N.D.	2	N.D.	15	N.D.			
	58		境川 Sakaigawa	2級 2nd	新境橋 Shinsakai-bashi	フナ crucian carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	28	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	59	名古屋市 Nagoya-shi	天白川 Tenpakugawa	2級 2nd	天白橋 Tenpaku-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	17	4.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	60		荒子川 Arakogawa	普通 Normal	荒子川ポンプ所上流域 Arakogawa ponpujo joryuiki	テラピア mozambique tilapia	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	61	三重県 Mie-Pref.	安濃川 Anougawa	2級 2nd	御山荘橋 Gosanso-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	62		員弁川 Inabegawa	2級 2nd	町屋大橋 Machiya Oohashi	ヤマトシジミ brackish-water-clam	May.10	N.D.	N.D.	N.D.	N.D.	N.D.	65	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	4	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	63	滋賀県 Shiga-Pref.	宇曾川 Usogawa	1級 1st	河口 Kako	オオクチバス black bass, largemouth(black) bass	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	64		守山川 Moriyamagawa	1級 1st	河口付近 Kako fukin	ブルーギル bluegill, bluegill sunfish	May.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.218)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value	5	1.5	10	10	25	10	10	10	25	10	10	1	1	
							Range of blank value	1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0 ~ 0.7	
	49	山梨県 Yamanashi-Pref.	笛吹川 Fuefukigawa	1級 1st	三郡東橋 Sangun Higashi-bashi	コイ carp, common carp	Jan.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	50		相模川 Sagami-gawa	1級 1st	桂川橋上流域 Katsuragawa-bashi joryuiki	ウケイ common dace, Japanese dace	Nov.23	15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	110	N.D.	N.D.	N.D.	N.D.	N.D.	
	51	長野県 Nagano-Pref.	田川 Tagawa	1級 1st	新田川橋上流 Shintagawa-bashi joryu	ウケイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	52		松川 Matsukawa	1級 1st	永代橋 Eidai-bashi	ウケイ common dace, Japanese dace	Nov.18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	53	岐阜県 Gifu-Pref.	長良川 Nagaragawa	1級 1st	藍川橋下流約300m Aikawa-bashi karyu yaku 300m	ウケイ common dace, Japanese dace	Nov.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	54		宮川 Miyagawa	1級 1st	宮城橋付近 Miyagi-bashi fukin	ウケイ common dace, Japanese dace	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	
	55	静岡県 Shizuoka-Pref.	都田川 Miyakodagawa	2級 2nd	落合橋 Ochiai-bashi	アユ ayu	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	56		太田川 Ootagawa	2級 2nd	二瀬橋 Futase-bashi	オイカワ common minnow, pale chub	Oco.31	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	57	愛知県 Aichi-Pref.	日光川 Nikkogawa	2級 2nd	日光橋 Nikko-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	58		境川 Sakaigawa	2級 2nd	新境橋 Shinsakai-bashi	フナ crucian carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	52	N.D.	N.D.	N.D.	N.D.	N.D.	
	59	名古屋市 Nagoya-shi	天白川 Tenpakugawa	2級 2nd	天白橋 Tenpaku-bashi	フナ crucian carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11	74	N.D.	N.D.	N.D.	N.D.	N.D.	
	60		荒子川 Arakogawa	普通 Normal	荒子川ポンプ所上流域 Arakogawa ponpujo joryuiki	テラピア mozambique tilapia	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	61	三重県 Mie-Pref.	安濃川 Anougawa	2級 2nd	御山荘橋 Gosanso-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	38	N.D.	N.D.	N.D.	N.D.	N.D.	
	62		員弁川 Inabegawa	2級 2nd	町屋大橋 Machiya Oohashi	ハマシジミ brackish-water-clam	May.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180	N.D.	N.D.	N.D.	N.D.	N.D.	
	63	滋賀県 Shiga-Pref.	宇曾川 Usogawa	1級 1st	河口 Kako	オオクチバス black bass, largemouth(black) bass	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	89	N.D.	N.D.	N.D.	N.D.	N.D.	
	64		守山川 Moriyamagawa	1級 1st	河口付近 Kako fukin	ブルーギル bluegill, bluegill sunfish	May.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.219)

							Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds								
No.							1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19					
SPEED'98							2										3							33	34							
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin				
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	10		1	1
							Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3	0.00	
	65	京都府 Kyoto-Pref.	大谷川 Ootani-gawa	1級 1st	一の橋付近 Ichino-hashii fukin	フナ crucian carp	Dec.1	N.D.	N.D.	4.2	7.9	10	7.2	0.5	N.D.	N.D.	N.D.	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.			
	66		手原川 Tebaragawa	1級 1st	木津川流入前 Kizugawa Ryunyumae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	67		伊佐津川 Isazugawa	2級 2nd	相生橋 Aioi-bashi	ウケイ common dace, Japanese dace	Nov.4	N.D.	N.D.	N.D.	1.1	4.3	4.1	0.9	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	4			
	68	京都市 Kyoto-shi	鴨川 Kamogawa	1級 1st	鳥羽大橋 Toba Oohashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Oco.13	N.D.	1.0	53	85	67	51	4.7	N.D.	N.D.	N.D.	260	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	1				
	69		天神川 Tenjingawa	1級 1st	東海道本線下 Toukaidohonsenshita	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	70	大阪府 Osaka-Pref.	寝屋川 Neyagawa	1級 1st	住道大橋 Suminodo Oohashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	71		石津川 Ishitsugawa	2級 2nd	毛穴大橋 Kena Oohashi	コイ carp, common carp	Nov.26	N.D.	N.D.	7.1	11	4.8	3.4	N.D.	N.D.	N.D.	N.D.	26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	41	9				
	72		味生水路 Ajiseisuiro	-	府営南別府住宅付近 Fueiminamibepputaku-fukin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	73	大阪市 Osaka-shi	大川 Ookawa	1級 1st	毛馬橋付近 Kema-bashi fukin	フナ crucian carp	Oco.19	N.D.	N.D.	20	45	51	40	10	1.6	N.D.	N.D.	170	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15	5				
	74		寝屋川 Neyagawa	1級 1st	京橋上流400m Kyo-bashi joryu 400m	フナ crucian carp	Oco.13	N.D.	N.D.	260	310	260	140	38	7.2	0.6	N.D.	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	65	2			
	75	兵庫県 Hyogo-Pref.	武庫川 Mukogawa	2級 2nd	甲武橋 Kobu-bashi	ヘラブナ deep-bodied crucian carp	Nov.26	N.D.	N.D.	N.D.	2.8	3.6	3.2	0.4	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7	N.D.				
	76		明石川 Akashigawa	2級 2nd	嘉永橋 Kaei-bashi	コイ carp, common carp	Nov.16	N.D.	N.D.	0.8	N.D.	1.1	1.0	N.D.	N.D.	N.D.	N.D.	2.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.				
	77		矢田川 Yadagawa	2級 2nd	油良橋下流 Yura-bashi karyu	ウケイ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	1.0	5.2	10	3.6	N.D.	N.D.	N.D.	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	61				
	78	神戸市 Kobe-shi	志染川 Shisengawa	1級 1st	坂本橋 Sakamoto-bashi	オイワ common minnow, pale chub	Nov.12	N.D.	N.D.	0.8	1.3	4.5	3.8	N.D.	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	32				
	79		福田川 Fukudagawa	2級 2nd	福田橋 Fukuda-bashi	フナ crucian carp	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7	2				
	80	奈良県 Nara-Pref.	寺川 Teragawa	1級 1st	吐田橋 Toda-bashi	コイ carp, common carp	Oco.28	N.D.	N.D.	0.8	6.7	11	8.4	1.6	N.D.	N.D.	N.D.	28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	20	1				

Measured results of aquatic animals and plant life (in general water areas) (No.220)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																									
No.						20	21	22	23	24	25	26	27	28	29	30	31	32						33														
SPEED'98						36							43	46	47	48	66																					
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin						
						units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg		
						Minimum detection value	1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	京都府 Kyoto-Pref.	大谷川 Ootanigawa	1級 1st	一の橋付近 Ichino-hashī fukin	フナ crucian carp	Dec.1	N.D.	N.D.	N.D.	N.D.	N.D.	35	2.3	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.	N.D.	6	N.D.	21	11	N.D.	N.D.	2	3	N.D.	5							
66		手原川 Tebaragawa	1級 1st	木津川流入前 Kizugawa Ryunyumae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
67		伊佐津川 Isazugawa	2級 2nd	相生橋 Aioi-bashi	ウケイ common dace, Japanese dace	Nov.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
68	京都市 Kyoto-shi	鴨川 Kamogawa	1級 1st	鳥羽大橋 Toba Oohashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Oco.13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.	N.D.	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
69		天神川 Tenjingawa	1級 1st	東海道本線下 Toukaidohonsenshita	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
70	大阪府 Osaka-Pref.	寝屋川 Neyagawa	1級 1st	住道大橋 Suminodo Oohashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
71		石津川 Ishitsugawa	2級 2nd	毛穴大橋 Kena Oohashi	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	100	24	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	N.D.	4	N.D.	1	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
72		味生水路 Ajiseisuiro	-	府営南別府住宅付近 Fueiminamibeppujutaku-fukin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
73	大阪市 Osaka-shi	大川 Ookawa	1級 1st	毛馬橋付近 Kema-bashi fukin	フナ crucian carp	Oco.19	N.D.	N.D.	N.D.	N.D.	N.D.	39	1.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2				
74		寝屋川 Neyagawa	1級 1st	京橋上流400m Kyo-bashi joryu 400m	フナ crucian carp	Oco.13	N.D.	N.D.	N.D.	N.D.	N.D.	780	30	N.D.	N.D.	N.D.	N.D.	N.D.	12	N.D.	N.D.	9	3	6	N.D.	N.D.	N.D.	N.D.	2	4	N.D.	N.D.	N.D.					
75	兵庫県 Hyogo-Pref.	武庫川 Mukogawa	2級 2nd	甲武橋 Kobu-bashi	ヘラブナ deepbodied crucian carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
76		明石川 Akashigawa	2級 2nd	嘉永橋 Kaei-bashi	コイ carp, common carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	38	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
77		矢田川 Yadagawa	2級 2nd	油良橋下流 Yura-bashi karyu	ウケイ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
78	神戸市 Kobe-shi	志染川 Shisengawa	1級 1st	坂本橋 Sakamoto-bashi	オイカワ common minnow, pale chub	Nov.12	N.D.	N.D.	N.D.	N.D.	N.D.	22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
79		福田川 Fukudagawa	2級 2nd	福田橋 Fukuda-bashi	フナ crucian carp	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
80	奈良県 Nara-Pref.	寺川 Teragawa	1級 1st	吐田橋 Toda-bashi	コイ carp, common carp	Oco.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				

Measured results of aquatic animals and plant life (in general water areas) (No.221)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
units																					
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0		
	65	京都府 Kyoto-Pref.	大谷川 Ootanigawa	1級 1st	一の橋付近 Ichino-hashī fukin	フナ crucian carp	Dec.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	35	N.D.	N.D.	N.D.	N.D.	
	66		手原川 Tebaragawa	1級 1st	木津川流入前 Kizugawa Ryunyumae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	67		伊佐津川 Isazugawa	2級 2nd	相生橋 Aioi-bashi	ウケイ common dace, Japanese dace	Nov.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	68	京都市 Kyoto-shi	鴨川 Kamogawa	1級 1st	鳥羽大橋 Toba Oohashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Oco.13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	69		天神川 Tenjingawa	1級 1st	東海道本線下 Toukaidohonsenshita	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	70	大阪府 Osaka-Pref.	寝屋川 Neyagawa	1級 1st	住道大橋 Suminodo Oohashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	71		石津川 Ishitsugawa	2級 2nd	毛穴大橋 Kena Oohashi	コイ carp, common carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	72		味生水路 Ajiseisuiro	-	府営南別府住宅付近 Fueiminamibeppujutaku-fukin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	73	大阪市 Osaka-shi	大川 Ookawa	1級 1st	毛馬橋付近 Kema-bashi fukin	フナ crucian carp	Oco.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47	N.D.	N.D.	N.D.	1	
	74		寝屋川 Neyagawa	1級 1st	京橋上流400m Kyo-bashi joryu 400m	フナ crucian carp	Oco.13	7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	93	N.D.	N.D.	N.D.	N.D.	
	75	兵庫県 Hyogo-Pref.	武庫川 Mukogawa	2級 2nd	甲武橋 Kobu-bashi	ヘラブナ deepbodied crucian carp	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	76		明石川 Akashigawa	2級 2nd	嘉永橋 Kaei-bashi	コイ carp, common carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	77		矢田川 Yadagawa	2級 2nd	油良橋下流 Yura-bashi karyu	ウケイ common dace, Japanese dace	Nov.24	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	78	神戸市 Kobe-shi	志染川 Shisengawa	1級 1st	坂本橋 Sakamoto-bashi	オйка common minnow, pale chub	Nov.12	7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	79		福田川 Fukudagawa	2級 2nd	福田橋 Fukuda-bashi	フナ crucian carp	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	35	39	N.D.	N.D.	N.D.	N.D.	
	80	奈良県 Nara-Pref.	寺川 Teragawa	1級 1st	吐田橋 Toda-bashi	コイ carp, common carp	Oco.28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.222)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						units																								
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10		1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3 ~ 0.7	0.00 ~ 0.07	
	81		紀の川 Kinokawa	1級 1st	千石橋 Sengoku-bashi	ウグイ common dace, Japanese dace	Oco.22	N.D.	N.D.	N.D.	N.D.	3.1	2.9	N.D.	N.D.	N.D.	N.D.	6.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	82	和歌山県 Wakayama-Pref.	有田川 Aritagawa	2級 2nd	保田井堰 Oitaizeki	オウゴン common minnow, pale chub	Oco.29	N.D.	N.D.	0.7	1.0	2.8	3.1	N.D.	N.D.	N.D.	N.D.	7.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	83		左会津川 Hidari-Aizugawa	2級 2nd	会津橋 Aizu-bashi	ボウ grey mullet, striped mullet, common mullet	Nov.4	N.D.	N.D.	0.6	N.D.	1.7	2.8	1.3	N.D.	N.D.	N.D.	6.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	14	32	
	84	鳥取県 Tottori-Pref.	勝部川 Katubegawa	2級 2nd	善田橋付近 Yoshida-bashi fukin	コイ carp, common carp	Nov.19	N.D.	N.D.	2.2	8.3	12	7.4	0.5	N.D.	N.D.	N.D.	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	
	85		佐陀川 Sadagawa	2級 2nd	淀江町佐陀 Yodoemachi Sada	フナ crucian carp	Nov.7	N.D.	N.D.	0.5	N.D.	1.7	1.7	N.D.	N.D.	N.D.	N.D.	3.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	
	86	鳥根県 Shimane-Pref.	浜田川 Hamadagawa	2級 2nd	三宮橋下流約1.5km Sanmiya-bashi karyu kaku 1.5km	フナ crucian carp	Dec.21	N.D.	N.D.	1.4	0.5	1.6	1.5	N.D.	N.D.	N.D.	N.D.	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	5	
	87		静間川 Shizumagawa	2級 2nd	正原橋付近 Shobara-bashi fukin	コイ carp, common carp	Dec.10	N.D.	N.D.	N.D.	N.D.	0.5	1.3	N.D.	N.D.	N.D.	N.D.	1.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.	
	88	岡山県 Okayama-Pref.	砂川 Sunagawa	1級 1st	新橋 Shin-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.21	N.D.	N.D.	N.D.	N.D.	1.2	0.8	N.D.	N.D.	N.D.	N.D.	2.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	
	89		笹ヶ瀬川 Sasagasegawa	2級 2nd	笹ヶ瀬橋 Sasagase-bashi	フナ crucian carp	Nov.20	N.D.	N.D.	4.5	8.4	7.8	3.9	N.D.	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9	1	
	90	広島県 Hiroshima-Pref.	沼田川 Numatagawa	2級 2nd	沼田川中流 Numatagawa cyuryu	ウグイ common dace, Japanese dace	Nov.5	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	N.D.	N.D.	N.D.	N.D.	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	1	
	91		黒瀬川 Kurosegawa	2級 2nd	樋の詰橋付近 Hinotsume-bashi fukin	ギンブナ gibel, gibellian	Nov.16	N.D.	N.D.	0.7	N.D.	N.D.	0.7	N.D.	N.D.	N.D.	N.D.	1.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	5	
	92	広島市 Hiroshima-shi	八幡川 Yawatagawa	2級 2nd	郡橋 Gun-bashi	カワムツ dark chub	Oco.9	N.D.	N.D.	N.D.	0.5	1.5	2.1	N.D.	N.D.	N.D.	N.D.	4.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	93		瀬野川 Senogawa	2級 2nd	貫道 kando	フナ crucian carp	Nov.11	N.D.	N.D.	6.3	14	1.9	1.9	N.D.	N.D.	N.D.	N.D.	24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11	10	
	94	山口県 Yamaguchi-Pref.	厚東川 Kotogawa	2級 2nd	末信橋UC-2上流1000m Suenobu-bashi UC-2 joryu 1000m	コイ carp, common carp	Nov.10	N.D.	N.D.	0.4	N.D.	0.4	1.2	N.D.	N.D.	N.D.	N.D.	2.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	1	
	95		錦川 Nishikigawa	2級 2nd	岩国市上水取水口周辺 Iwakuni-shi josui syusuko syuhen	フナ crucian carp	Nov.17	N.D.	N.D.	N.D.	N.D.	0.9	1.3	N.D.	N.D.	N.D.	N.D.	2.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	



Measured results of aquatic animals and plant life (in general water areas) (No.223)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																							
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33													
SPEED'98						36							43	46	47	48	66																			
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin				
						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg		
						units																														
						Minimum detection value						1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		1	1	1	1	1	1	
						Range of blank value						0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0
	81		紀の川 Kinokawa	1級 1st	千石橋 Sengoku-bashi	ウグイ common dace, Japanese dace	Oco.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	82	和歌山県 Wakayama-Pref.	有田川 Aritagawa	2級 2nd	保田井堰 Oitaizeki	オトナギ common minnow, pale chub	Oco.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	83		左会津川 Hidari-Aizugawa	2級 2nd	会津橋 Aizu-bashi	ボウ grey mullet, striped mullet, common mullet	Nov.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	84	鳥取県 Tottori-Pref.	勝部川 Katubegawa	2級 2nd	善田橋付近 Yoshida-bashi fukin	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	N.D.	2	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	
	85		佐陀川 Sadagawa	2級 2nd	淀江町佐陀 Yodoemachi Sada	フナ crucian carp	Nov.7	N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	86	島根県 Shimane-Pref.	浜田川 Hamadagawa	2級 2nd	三宮橋下流約1.5km Sanmiya-bashi karyu kaku 1.5km	フナ crucian carp	Dec.21	N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	87		静間川 Shizumagawa	2級 2nd	正原橋付近 Shobara-bashi fukin	コイ carp, common carp	Dec.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	88	岡山県 Okayama-Pref.	砂川 Sunagawa	1級 1st	新橋 Shin-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	89		笹ヶ瀬川 Sasagasegawa	2級 2nd	笹ヶ瀬橋 Sasagase-bashi	フナ crucian carp	Nov.20	N.D.	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	90	広島県 Hiroshima-Pref.	沼田川 Numatagawa	2級 2nd	沼田川中流 Numatagawa cyuryu	ウグイ common dace, Japanese dace	Nov.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	91		黒瀬川 Kurosegawa	2級 2nd	樋の詰橋付近 Hinotsume-bashi fukin	ギンナギ gibel, gibellian	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	92	広島市 Hiroshima-shi	八幡川 Yawatagawa	2級 2nd	郡橋 Gun-bashi	カラムツ dark chub	Oco.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	93		瀬野川 Senogawa	2級 2nd	貫道 kando	フナ crucian carp	Nov.11	N.D.	N.D.	N.D.	N.D.	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	94	山口県 Yamaguchi-Pref.	厚東川 Kotogawa	2級 2nd	末信橋UC-2上流1000m Suenobu-bashi UC-2 joryu 1000m	コイ carp, common carp	Nov.10	N.D.	N.D.	N.D.	N.D.	110	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	95		錦川 Nishikigawa	2級 2nd	岩国市上水取水口周辺 Iwakuni-shi josui syusuiiko syuhen	フナ crucian carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	

Measured results of aquatic animals and plant life (in general water areas) (No.224)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value		5	1.5	10	10	25	10	10	10	25	10	10	1	1
							Range of blank value		1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0
	81		紀の川 Kinokawa	1級 1st	千石橋 Sengoku-bashi	ウグイ common dace, Japanese dace	Oco.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	82	和歌山県 Wakayama-Pref.	有田川 Aritagawa	2級 2nd	保田井堰 Oitaizeki	オカワ common minnow, pale chub	Oco.29	N.D.	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	27	N.D.	N.D.	N.D.	N.D.	
	83		左生津川 Hidari-Aizugawa	2級 2nd	会津橋 Aizu-bashi	ボウ grey mullet, striped mullet, common mullet	Nov.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	84	鳥取県 Tottori-Pref.	勝部川 Katubegawa	2級 2nd	善田橋付近 Yoshida-bashi fukin	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	85		佐陀川 Sadagawa	2級 2nd	淀江町佐陀 Yodoemachi Sada	フナ crucian carp	Nov.7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	86	鳥根県 Shimane-Pref.	浜田川 Hamadagawa	2級 2nd	三宮橋下流約1.5km Sanmiya-bashi karyu kaku 1.5km	フナ crucian carp	Dec.21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	87		静岡川 Shizumagawa	2級 2nd	正原橋付近 Shobara-bashi fukin	コイ carp, common carp	Dec.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	39	N.D.	N.D.	N.D.	N.D.	N.D.	
	88	岡山県 Okayama-Pref.	砂川 Sunagawa	1級 1st	新橋 Shin-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	150	N.D.	N.D.	N.D.	N.D.	N.D.	
	89		笹ヶ瀬川 Sasagasegawa	2級 2nd	笹ヶ瀬橋 Sasagase-bashi	フナ crucian carp	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	90	広島県 Hiroshima-Pref.	沼田川 Numatagawa	2級 2nd	沼田川中流 Numatagawa cyuryu	ウグイ common dace, Japanese dace	Nov.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	91		黒瀬川 Kurosegawa	2級 2nd	樋の詰橋付近 Hinotsume-bashi fukin	ギンブナ gibel, gibellian	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	92	広島市 Hiroshima-shi	八幡川 Yawatagawa	2級 2nd	郡橋 Gun-bashi	カラムツ dark chub	Oco.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	38	N.D.	N.D.	N.D.	N.D.	N.D.	
	93		瀬野川 Senogawa	2級 2nd	貫道 kando	フナ crucian carp	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	94	山口県 Yamaguchi-Pref.	厚東川 Kotogawa	2級 2nd	末信橋UC-2上流1000m Suenobu-bashi UC-2 joryu 1000m	コイ carp, common carp	Nov.10	8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	95		錦川 Nishikigawa	2級 2nd	岩国市上水取水口周辺 Iwakuni-shi josui syusuiko syuhen	フナ crucian carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	61	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.225)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10	1	1	
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0.3 ~ 0.7	0.00 ~ 0.07		
	96	徳島県 Tokushima-Pref.	新町川 Shinmachi-gawa	1級 1st	新町橋 Shinmachi-bashi	ススキ sea bass, Japanese sea bass	Nov.14	N.D.	N.D.	3.6	14	24	40	19	2.2	N.D.	N.D.	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	110	28		
	97		勝浦川 Katsuuragawa	2級 2nd	江田潜水橋 Eda sensui-bashi	ウグイ common dace, Japanese dace	Nov.13	N.D.	N.D.	N.D.	N.D.	2.6	5.9	1.7	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	9	9		
	98	香川県 Kagawa-Pref.	香東川 Kotogawa	2級 2nd	香東川橋 Kotogawa-bashi	フナ crucian carp	Jan.30	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.		
	99		財田川 Saitagawa	2級 2nd	稲積橋 Inazumi-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.11	N.D.	N.D.	N.D.	0.5	3.6	4.8	1.0	N.D.	N.D.	N.D.	9.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	2		
	100	愛媛県 Ehime-Pref.	中山川 Nakayamagawa	2級 2nd	中山川橋 Nakayamagawa-bashi	フナ crucian carp	Nov.25	N.D.	N.D.	0.7	N.D.	1.5	2.1	N.D.	N.D.	N.D.	N.D.	4.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.		
	101		岩松川 Iwamatsugawa	2級 2nd	清満橋 Seimitsu-bashi	ハヤ common dace, Japanese dace	Nov.22	N.D.	N.D.	N.D.	N.D.	0.4	0.6	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	1		
	102	高知県 Kochi-Pref.	香宗川 Kosogawa	2級 2nd	赤岡橋 Akaoka-bashi	フナ crucian carp	Nov.21	N.D.	N.D.	0.6	0.5	3.0	3.2	N.D.	N.D.	N.D.	N.D.	7.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.		
	103		鏡川 Kagamigawa	2級 2nd	新月橋 Shingetsu-bashi	ウグイ common dace, Japanese dace	Nov.16	N.D.	N.D.	1.5	2.3	1.4	3.9	0.5	N.D.	N.D.	N.D.	9.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	17		
	104	福岡県 Fukuoka-Pref.	宝満川 Homangawa	1級 1st	岩本橋 Iwamoto-bashi	ハヤ common dace, Japanese dace	Nov.24	N.D.	N.D.	0.4	N.D.	1.1	1.5	N.D.	N.D.	N.D.	N.D.	3.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	105		長峽川 Nagaogawa	2級 2nd	長音寺橋 Choonji-bashi	フナ crucian carp	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.		
河川	106	北九州市 Kitakyushu-shi	紫川 Murasakigawa	2級 2nd	桜橋 Sakura-bashi	ギンナ gibel, gibellian	Dec.14	N.D.	N.D.	N.D.	N.D.	1.4	2.2	N.D.	N.D.	N.D.	N.D.	3.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.		
	107		板櫃川 Itasekigawa	2級 2nd	境橋 Sakai-bashi	ギンナ gibel, gibellian	Dec.14	N.D.	N.D.	0.4	N.D.	1.3	1.4	N.D.	N.D.	N.D.	N.D.	3.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	1		
	108	福岡市 Fukuoka-shi	那珂川 Nakagawa	2級 2nd	那の津大橋 Nanotsu Oohashi	ハヤ common Japanese goby, genuine goby,	Nov.27	N.D.	N.D.	N.D.	4.3	7.6	4.2	N.D.	N.D.	N.D.	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	5		
	109		樋井川 Hiigawa	2級 2nd	旧今川橋 Kyu-Imagawa-bashi	ボラ grey mullet, striped mullet, common mullet	Nov.29	N.D.	N.D.	0.9	1.3	1.0	1.2	N.D.	N.D.	N.D.	N.D.	4.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	5		
	110	佐賀県 Saga-Pref.	玉島川 Tamashima-gawa	2級 2nd	玉島橋 Tamashima-bashi	アユ ayu	Oct.13	N.D.	N.D.	0.7	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	1.6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		



Measured results of aquatic animals and plant life (in general water areas) (No.227)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
units																					
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	0	34 ~ 95	0	0	0.0	0.0	
	96	徳島県 Tokushima-Pref.	新町川 Shinmachi-gawa	1級 1st	新町橋 Shinmachi-bashi	ススキ sea bass, Japanese sea bass	Nov.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	N.D.	N.D.	N.D.	N.D.	
	97		勝浦川 Katsuuragawa	2級 2nd	江田潜水橋 Eda sensui-bashi	ウグイ common dace, Japanese dace	Nov.13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	98	香川県 Kagawa-Pref.	香東川 Kotogawa	2級 2nd	香東川橋 Kotogawa-bashi	フナ crucian carp	Jan.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	99		財田川 Saitagawa	2級 2nd	稲積橋 Inazumi-bashi	ニゴイ skin carp, steed barbel(Japanese barbel)	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	29	N.D.	N.D.	N.D.	N.D.	
	100	愛媛県 Ehime-Pref.	中山川 Nakayamagawa	2級 2nd	中山川橋 Nakayamagawa-bashi	フナ crucian carp	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	101		岩松川 Iwamatsugawa	2級 2nd	清満橋 Seimitsu-bashi	ハヤ common dace, Japanese dace	Nov.22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	102	高知県 Kochi-Pref.	香宗川 Kosogawa	2級 2nd	赤岡橋 Akaoka-bashi	フナ crucian carp	Nov.21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	103		鏡川 Kagamigawa	2級 2nd	新月橋 Shingetsu-bashi	ウグイ common dace, Japanese dace	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	104	福岡県 Fukuoka-Pref.	宝満川 Homangawa	1級 1st	岩本橋 Iwamoto-bashi	ハヤ common dace, Japanese dace	Nov.24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	105		長峽川 Nagaogawa	2級 2nd	長音寺橋 Choonji-bashi	フナ crucian carp	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
河川	106	北九州市 Kitakyushu-shi	紫川 Murasakigawa	2級 2nd	桜橋 Sakura-bashi	ギンブナ gibel, gibellian	Dec.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	107		板櫃川 Itasekigawa	2級 2nd	境橋 Sakai-bashi	ギンブナ gibel, gibellian	Dec.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	
	108	福岡市 Fukuoka-shi	那珂川 Nakagawa	2級 2nd	那の津大橋 Nanotsu Oohashi	ハヤ common Japanese goby, genuine goby,	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	109		樋井川 Hiigawa	2級 2nd	旧今川橋 Kyu-Imagawa-bashi	ホウ grey mullet, striped mullet, common mullet	Nov.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	110	佐賀県 Saga-Pref.	玉島川 Tamashima-gawa	2級 2nd	玉島橋 Tamashima-bashi	アユ ayu	Oct.13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	190	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.228)

							Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.							1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98							2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin			
							units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10	1	1
							Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0.3 ~ 0.7	0.00 ~ 0.07	
	111		有田川 Aritagawa	2級 2nd	又川井堰 Matagawaizeki	オウゴン common minnow, pale chub	Oct.29	N.D.	N.D.	1.6	1.0	1.6	2.2	N.D.	N.D.	N.D.	N.D.	6.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	112	長崎県 Nagasaki-Pref.	浦上川 Urakamigawa	2級 2nd	大橋堰下 Ohashizeki-shita	フナ crucian carp	Nov.17	N.D.	N.D.	12	22	7.3	4.1	N.D.	N.D.	N.D.	N.D.	45	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	120	3			
	113		西大川 Nishiokawa	2級 2nd	高速道下流 Kosokudo-karyu	フナ crucian carp	Jan.27	N.D.	N.D.	N.D.	N.D.	0.4	0.4	N.D.	N.D.	N.D.	N.D.	0.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.			
	114	熊本県 Kumamoto-Pref.	永川 Hikawa	2級 2nd	永川橋 Hikawa-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	0.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.			
	115		浦川 Urakawa	2級 2nd	一部橋 Ichibu-bashi	フナ crucian carp	Nov.25	N.D.	N.D.	0.4	2.2	4.5	4.5	N.D.	N.D.	N.D.	N.D.	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.			
	116	大分県 Oita-Pref.	駅館川 Yakkangawa	2級 2nd	白岩橋 Shiroiwa-bashi	フナ crucian carp	Nov.10	N.D.	N.D.	N.D.	N.D.	4.3	3.5	N.D.	N.D.	N.D.	N.D.	7.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.			
	117		臼杵川 Usukigawa	2級 2nd	馬代橋 Badai-bashi	フナ crucian carp	Dec.10	N.D.	N.D.	0.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	N.D.			
	118	宮崎県 Miyazaki-Pref.	一ツ瀬川 Hitotsuse-gawa	2級 2nd	一ツ瀬橋 Hitotsuse-bashi	ウグイ common dace, Japanese dace	Dec.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	119		酒谷川 Sakatanigawa	2級 2nd	今町橋下 Imamachi-bashi-shita	オウゴン common minnow, pale chub	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	120	鹿児島県 Kagoshima-Pref.	甲突川 Kotsukigawa	2級 2nd	岩崎橋上流部 Iwasaki-bashi joryubu	オウゴン common minnow, pale chub	Nov.15	N.D.	N.D.	0.4	N.D.	1.0	2.8	N.D.	N.D.	N.D.	N.D.	4.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	2			
	121		天降川 Amorigawa	2級 2nd	日当山橋及び妙見付近 Hitariyama-bashi oyobi myoken fukin	オウゴン common minnow, pale chub	Jan.23	N.D.	N.D.	N.D.	N.D.	1.6	1.7	N.D.	N.D.	N.D.	N.D.	3.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	122	沖縄県 Okinawa-Pref.	国場川 Kokubagawa	2級 2nd	一日橋上流500m Ichinichi-bashi joryu 500m	テラピア mozambique tilapia	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	0.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.			
	123		長堂川 Nagadogawa	2級 2nd	翔南製糖前下流1km Shonanseito mae karyu 1km	テラピア mozambique tilapia	Nov.19	N.D.	N.D.	12	19	9.5	12	9.0	1.0	N.D.	N.D.	62	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	N.D.			
湖沼 Lakes	124	北海道 Hokkaido	摩周湖 Masyuko		裏摩周展望台下湖岸 Uramasyu tenboudai-shita kogon	ニジマス rainbow trout	Oct.8	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1			
	125	千葉県 Chiba-Pref.	印旛沼 Inbanuma		印旛沼 Inbanuma	コイ carp, common carp	Nov.20	N.D.	N.D.	0.9	7.5	6.1	2.5	N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	87	11			
	126		手賀沼 Teganuma		手賀沼中央 Teganuma cyuo	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	0.4	1.8	2.3	N.D.	N.D.	N.D.	N.D.	4.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	2			

Measured results of aquatic animals and plant life (in general water areas) (No.229)

						Alkyl phenol (from C4 to C9)											Aromatic compounds (other than VOC)																						
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33																
SPEED'98						36											43	46	47	48	66																		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin							
						units																																	
						Minimum detection value	1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0					0	0	0	0													
	111		有田川 Aritagawa	2級 2nd	又川井堰 Matagawaizeki	オウゴン common minnow, pale chub	Oct.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	112	長崎県 Nagasaki-Pref.	浦上川 Urakamigawa	2級 2nd	大橋堰下 Ohashizeki-shita	フナ crucian carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	57	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	113		西大川 Nishiokawa	2級 2nd	高速道下流 Kosokudo-karyu	フナ crucian carp	Jan.27	N.D.	N.D.	N.D.	N.D.	N.D.	590	8.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	114	熊本県 Kumamoto-Pref.	氷川 Hikawa	2級 2nd	氷川橋 Hikawa-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1			
	115		浦川 Urakawa	2級 2nd	一部橋 Ichibu-bashi	フナ crucian carp	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	116	大分県 Oita-Pref.	駅館川 Yakkangawa	2級 2nd	白岩橋 Shiroiwa-bashi	フナ crucian carp	Nov.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	117		臼杵川 Usukigawa	2級 2nd	馬代橋 Badai-bashi	フナ crucian carp	Dec.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	118	宮崎県 Miyazaki-Pref.	一ツ瀬川 Hitotsuse-gawa	2級 2nd	一ツ瀬橋 Hitotsuse-bashi	ウグイ common dace, Japanese dace	Dec.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	119		酒谷川 Sakatanigawa	2級 2nd	今町橋下 Imamachi-bashi-shita	オウゴン common minnow, pale chub	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	120	鹿児島県 Kagoshima-Pref.	甲突川 Kotsukigawa	2級 2nd	岩崎橋上流部 Iwasaki-bashi joryubu	オウゴン common minnow, pale chub	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	121		天降川 Amorigawa	2級 2nd	日当山橋及び妙見付近 Hitariyama-bashi oyobi myoken fukin	オウゴン common minnow, pale chub	Jan.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	122	沖縄県 Okinawa-Pref.	国場川 Kokubagawa	2級 2nd	一日橋上流500m Ichinichi-bashi joryu 500m	テラピア mozambique tilapia	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	18	N.D.	N.D.	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	2	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
	123		長堂川 Nagadogawa	2級 2nd	翔南製糖前下流1km Shonanseito mae karyu 1km	テラピア mozambique tilapia	Nov.19	N.D.	N.D.	N.D.	N.D.	42	2.3	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
湖沼 Lakes	124	北海道 Hokkaido	摩周湖 Masyuko		裏摩周展望台下湖岸 Uramasyu tenboudai- shita kogon	ニジマス rainbow trout	Oct.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	11	N.D.	N.D.	11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
	125	千葉県 Chiba-Pref.	印旛沼 Inbanuma		印旛沼 Inbanuma	コイ carp, common carp	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			
	126		手賀沼 Teganuma		手賀沼中央 Teganuma cyuo	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.			

Measured results of aquatic animals and plant life (in general water areas) (No.230)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
							Minimum detection value	5	1.5	10	10	25	10	10	10	25	10	10	1	1	
							Range of blank value	1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0 ~ 0.7	
	111		有田川 Aritagawa	2級 2nd	又川井堰 Matagawaizeki	オウガ common minnow, pale chub	Oct.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	112	長崎県 Nagasaki-Pref.	浦上川 Urakamigawa	2級 2nd	大橋堰下 Ohashizeki-shita	フナ crucian carp	Nov.17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	
	113		西大川 Nishiokawa	2級 2nd	高速道下流 Kosokudo-karyu	フナ crucian carp	Jan.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	36	N.D.	N.D.	N.D.	N.D.	N.D.	
	114	熊本県 Kumamoto-Pref.	氷川 Hikawa	2級 2nd	氷川橋 Hikawa-bashi	フナ crucian carp	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	115		浦川 Urakawa	2級 2nd	一部橋 Ichibu-bashi	フナ crucian carp	Nov.25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	116	大分県 Oita-Pref.	駅館川 Yakkangawa	2級 2nd	白岩橋 Shiroya-bashi	フナ crucian carp	Nov.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	117		臼杵川 Usukigawa	2級 2nd	馬代橋 Badai-bashi	フナ crucian carp	Dec.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	118	宮崎県 Miyazaki-Pref.	一ツ瀬川 Hitotsuse-gawa	2級 2nd	一ツ瀬橋 Hitotsuse-bashi	ウグイ common dace, Japanese dace	Dec.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	119		酒谷川 Sakatanigawa	2級 2nd	今町橋下 Imamachi-bashi-shita	オウガ common minnow, pale chub	Nov.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	120	鹿児島県 Kagoshima-Pref.	甲突川 Kotsukigawa	2級 2nd	岩崎橋上流部 Iwasaki-bashi joryubu	オウガ common minnow, pale chub	Nov.15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	51	N.D.	N.D.	N.D.	N.D.	N.D.	
	121		天降川 Amorigawa	2級 2nd	日当山橋及び妙見付近 Hiatariyama-bashi oyobi myoken fukin	オウガ common minnow, pale chub	Jan.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	122	沖縄県 Okinawa-Pref.	国場川 Kokubagawa	2級 2nd	一日橋上流500m Ichinichi-bashi joryu 500m	テラピア mozambique tilapia	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	51	N.D.	N.D.	N.D.	2	N.D.	
	123		長堂川 Nagadogawa	2級 2nd	翔南製糖前下流1km Shonanseito mae karyu 1km	テラピア mozambique tilapia	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46	N.D.	N.D.	N.D.	5	1	
湖沼 Lakes	124	北海道 Hokkaido	摩周湖 Masyuko		裏摩周展望台下湖岸 Uramasyu tenboudai-shita kogon	ニジマス rainbow trout	Oct.8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	125	千葉県 Chiba-Pref.	印旛沼 Inbanuma		印旛沼 Inbanuma	コイ carp, common carp	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	126		手賀沼 Teganuma		手賀沼中央 Teganuma cyuo	コイ carp, common carp	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	



Measured results of aquatic animals and plant life (in general water areas) (No.231)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						units																								
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	10		1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3 ~ 0.7	0.00 ~ 0.07	
	127	長野県 Nagano-Pref.	諏訪湖 Suwako		諏訪湖 Suwako	ナ crucian carp	Nov.27	N.D.	N.D.	1.8	7.8	12	10	1.2	N.D.	N.D.	N.D.	33	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	4	
	128	岡山県 Okayama-Pref.	児島湖 Kojimako		児島湖 Kojimako	ナ crucian carp	Nov.20	N.D.	N.D.	0.8	0.6	2.4	1.2	N.D.	N.D.	N.D.	N.D.	5.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.	
地下水	129	北海道 Hokkaido			枝幸郡 Esashigun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	130	宮城県 Miyagi-Pref.			栗原郡 Kuriharagun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	131	千葉県 Chiba-shi			千葉市 Chibashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	132	東京都 Tokyo			新宿区 Shinjukuku	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	133	新潟県 Niigata-Pref.			西蒲原郡 Nishikanbaragun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	134	長野県 Nagano-Pref.			松本市 Matsumotoshi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	135	大阪府 Osaka-Pref.			寝屋川市 Neyagawashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	136	鳥取県 Tottori-Pref.			八頭郡 Yazugun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	137	広島県 Hiroshima-Pref.			福山市 Fukuyamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	138	愛媛県 Ehime-Pref.			八幡浜市 Yawatahamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	139	北九州市 Kitakyusyu-shi			北九州市 Kitakyusyushi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	140	宮崎県 Miyazaki-Pref.			高千穂町 Takachihocho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
海域 Sea areas	141	千葉県 Chiba-Pref.	東京湾 Tokyo-wan	1	浦安沖 Urayasu-oki	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	44	84	47	21	2.8	N.D.	N.D.	N.D.	200	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	45	13	
	142	東京都 Tokyo	東京湾 Tokyo-wan	35		スズキ sea bass, Japanese sea bass	Nov.30	N.D.	N.D.	13	43	42	26	5.5	N.D.	N.D.	N.D.	130	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	24	14	

Measured results of aquatic animals and plant life (in general water areas) (No.232)

No.						Alkyl phenol (from C4 to C9)												Aromatic compounds (other than VOC)																					
						20	21	22	23	24	25	26	27	28	29	30	31	32						33															
SPEED'98						36												43	46	47	48	66																	
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin							
units							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
Minimum detection value							1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1
Range of blank value							0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0	0
	127	長野県 Nagano-Pref.	諏訪湖 Suwako		諏訪湖 Suwako	ナ crucian carp	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
	128	岡山県 Okayama-Pref.	児島湖 Kojimako		児島湖 Kojimako	ナ crucian carp	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				
地下水	129	北海道 Hokkaido			枝幸郡 Esashigun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	130	宮城県 Miyagi-Pref.			栗原郡 Kuriharagun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	131	千葉県 Chiba-shi			千葉市 Chibashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	132	東京都 Tokyo			新宿区 Shinjukuku	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	133	新潟県 Niigata-Pref.			西蒲原郡 Nishikanbaragun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	134	長野県 Nagano-Pref.			松本市 Matsumotoshi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	135	大阪府 Osaka-Pref.			寝屋川市 Neyagawashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	136	鳥取県 Tottori-Pref.			八頭郡 Yazugun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	137	広島県 Hiroshima-Pref.			福山市 Fukuyamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	138	愛媛県 Ehime-Pref.			八幡浜市 Yawatahamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	139	北九州市 Kitakyusy u-shi			北九州市 Kitakyusyushi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	140	宮崎県 Miyazaki-Pref.			高千穂町 Takachihocho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
海域 Sea areas	141	千葉県 Chiba-Pref.	東京湾 Tokyo-wan	1	浦安沖 Urayasu-oki	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	N.D.	N.D.	1	N.D.	N.D.	N.D.	N.D.	N.D.					
	142	東京都 Tokyo	東京湾 Tokyo-wan	35		スズキ sea bass, Japanese sea bass	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.				

Measured results of aquatic animals and plant life (in general water areas) (No.233)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC			
No.							34	35	36	37	38	39	40	41	42	43	44	45	46	
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-	
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
units																				
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0 ~ 6	0.0	0.0 ~ 0.7	
	127	長野県 Nagano-Pref.	諏訪湖 Suwako		諏訪湖 Suwako	ナ crucian carp	Nov.27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	128	岡山県 Okayama-Pref.	児島湖 Kojimako		児島湖 Kojimako	ナ crucian carp	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
地下水	129	北海道 Hokkaido			枝幸郡 Esashigun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	130	宮城県 Miyagi-Pref.			栗原郡 Kuriharagun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	131	千葉県 Chiba-shi			千葉市 Chibashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	132	東京都 Tokyo			新宿区 Shinjuku	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	133	新潟県 Niigata-Pref.			西蒲原郡 Nishikanbaragun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	134	長野県 Nagano-Pref.			松本市 Matsumotoshi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	135	大阪府 Osaka-Pref.			寝屋川市 Neyagawashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	136	鳥取県 Tottori-Pref.			八頭郡 Yazugun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	137	広島県 Hiroshima-Pref.			福山市 Fukuyamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	138	愛媛県 Ehime-Pref.			八幡浜市 Yawatahamashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	139	北九州市 Kitakyusyu-shi			北九州市 Kitakyusyu-shi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	140	宮崎県 Miyazaki-Pref.			高千穂町 Takachihocho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
海域 Sea areas	141	千葉県 Chiba-Pref.	東京湾 Tokyo-wan	1	浦安沖 Urayasu-oki	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	142	東京都 Tokyo	東京湾 Tokyo-wan	35		スズキ sea bass, Japanese sea bass	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	59	N.D.	N.D.	N.D.	N.D.	N.D.

Measured results of aquatic animals and plant life (in general water areas) (No.234)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						units		μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
						Minimum detection value		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	10		1	1
						Range of blank value		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3 ~ 0.7	0.00 ~ 0.07	
	143	神奈川県 Kanagawa-Pref.	東京湾 Tokyo-wan	21	中の瀬南 Nakanose-minami	カサゴ marbled rockfish	Feb.4	N.D.	N.D.	1.5	5.4	6.0	6.3	1.3	N.D.	N.D.	N.D.	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12	19		
	144	愛知県 Aichi-Pref.	伊勢湾 Ise-wan	N-4	名古屋港(乙) Nagoya-ko(Otsu)	ホウ grey mullet, striped mullet, common mullet	Nov.16	N.D.	N.D.	3.9	6.6	4.4	1.8	N.D.	N.D.	N.D.	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	1		
	145		三河湾 Mikawa-wan	K-5	衣浦湾 Kinuura-wan	ホウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	2.0	2.8	2.6	1.9	N.D.	N.D.	N.D.	N.D.	9.3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	2		
	146	三重県 Mie-Pref.	伊勢湾 Ise-wan	St-4	四日市・鈴鹿地先海域(甲) Yokkaichi, Suzukachisaki kaiiki(kou)	セイゴ sea bass, Japanese sea bass	Feb.1	N.D.	N.D.	1.3	10	14	11	2.0	N.D.	N.D.	N.D.	38	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	37	6		
	147	大阪府 Osaka-Pref.	大阪湾 Osaka-wan	B-3	堺市沖 Sakaiishi-oki	スズキ sea bass, Japanese sea bass	Nov.12	N.D.	N.D.	54	81	88	86	N.D.	3.8	N.D.	N.D.	310	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	120	210		
	148	兵庫県 Hyogo-Pref.	大阪湾 Osaka-wan	2	西宮市沖1 Nishinomiyaishi-oki1	スズキ sea bass, Japanese sea bass	Nov.20	N.D.	N.D.	21	54	58	47	16	1.9	N.D.	N.D.	200	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	79	33		
	149		播磨灘 Harima-nada	61	白浜沖 Shirahama-oki	スズキ sea bass, Japanese sea bass	Nov.30	N.D.	74	710	310	100	69	19	2.1	N.D.	N.D.	1300	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	98	46		
	150	和歌山県 Wakayama-Pref.	紀伊水道 Kii-suido	St11	和歌山下津港 Wakayama Shimozu-ko	イホダイ butterflyfish, Japanese butterflyfish	Nov.26	N.D.	N.D.	1.3	2.1	2.2	4.0	0.9	N.D.	N.D.	N.D.	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70	10		
	151	岡山県 Okayama-Pref.	備讃瀬戸 Bisanseto	505	玉島港沖合 Tamashimakou-okiai	ホウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	1.4	2.8	3.3	4.9	1.7	N.D.	N.D.	N.D.	14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12	16		
	152	広島県 Hiroshima-Pref.	広島湾 Hiroshima-wan	32-29		ホウ grey mullet, striped mullet, common mullet	Jan.29	N.D.	N.D.	1.1	3.7	3.3	5.2	2.7	N.D.	N.D.	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	8	28		
	153	山口県 Yamaguchi-Pref.	周防灘 Suonada	T-D-4	徳山湾 Tokushima-wan	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	0.7	1.6	4.1	9.3	3.5	N.D.	N.D.	N.D.	19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	43	28		
	154	愛媛県 Ehime-Pref.	燧灘 Hiuchinada	610-5	新居浜海域 Niihama-kaiiki	スズキ sea bass, Japanese sea bass	Nov.23	N.D.	N.D.	2.5	12	11	18	8.2	N.D.	N.D.	N.D.	52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94	45		
	155		伊予灘 Iyo-nada	628-16	松山海域 Matsuyama-kaiiki	ホウ grey mullet, striped mullet, common mullet	Nov.14	N.D.	N.D.	1.1	1.4	2.3	6.4	3.9	N.D.	N.D.	N.D.	15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	2		
	156	北九州市 Kitakyusyu-shi	洞海湾 Dokai-wan	D2	湾口部 Wanko-bu	シロコチ silver jewfish	Dec.16	N.D.	N.D.	1.2	11	15	11	5.8	0.4	N.D.	N.D.	44	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	71	55		

Measured results of aquatic animals and plant life (in general water areas) (No.235)

						Alkyl phenol (from C4 to C9)											Aromatic compounds (other than VOC)																			
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33													
SPEED'98						36											43	46	47	48	66															
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin				
						units	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
						Minimum detection value	1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
	143	神奈川県 Kanagawa-Pref.	東京湾 Tokyo-wan	21	中の瀬南 Nakanose-minami	カサゴ marbled rockfish	Feb.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	144	愛知県 Aichi-Pref.	伊勢湾 Ise-wan	N-4	名古屋港(乙) Nagoya-ko(Otsu)	ボウ grey mullet, striped mullet, common mullet	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	145		三河湾 Mikawa-wan	K-5	衣浦湾 Kinuura-wan	ボウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	146	三重県 Mie-Pref.	伊勢湾 Ise-wan	St-4	四日市・鈴鹿地先海域(甲) Yokkaichi, Suzukachisaki kaiiki(kou)	セイゴ sea bass, Japanese sea bass	Feb.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	1		
	147	大阪府 Osaka-Pref.	大阪湾 Osaka-wan	B-3	堺市沖 Sakai-shi-oki	スズキ sea bass, Japanese sea bass	Nov.12	N.D.	N.D.	N.D.	N.D.	15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	148	兵庫県 Hyogo-Pref.	大阪湾 Osaka-wan	2	西宮市沖1 Nishinomiya-shi-oki1	スズキ sea bass, Japanese sea bass	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	149		播磨灘 Harima-nada	61	白浜沖 Shirahama-oki	スズキ sea bass, Japanese sea bass	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	150	和歌山県 Wakayama-Pref.	紀伊水道 Kii-suido	St11	和歌山下津港 Wakayama Shimozu-ko	イボダイ butterflyfish, Japanese butterflyfish	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	151	岡山県 Okayama-Pref.	備讃瀬戸 Bisanseto	505	玉島港沖合 Tamashimakou-okiai	ボウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	152	広島県 Hiroshima-Pref.	広島湾 Hiroshima-wan	32-29		ボウ grey mullet, striped mullet, common mullet	Jan.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	153	山口県 Yamaguchi-Pref.	周防灘 Suonada	T-D-4	徳山湾 Tokushima-wan	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	154	愛媛県 Ehime-Pref.	燧灘 Hiuchinada	610-5	新居浜海域 Niihama-kaiiki	スズキ sea bass, Japanese sea bass	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	N.D.	N.D.	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	155		伊予灘 Iyo-nada	628-16	松山海域 Matsuyama-kaiiki	ボウ grey mullet, striped mullet, common mullet	Nov.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
	156	北九州市 Kitakyusyu-shi	洞海湾 Dokai-wan	D2	湾口部 Wanko-bu	シロフ子 silver jewfish	Dec.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		

Measured results of aquatic animals and plant life (in general water areas) (No.236)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
units																					
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0		
	143	神奈川県 Kanagawa-Pref.	東京湾 Tokyo-wan	21	中の瀬南 Nakanose-minami	カサゴ marbled rockfish	Feb.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	144	愛知県 Aichi-Pref.	伊勢湾 Ise-wan	N-4	名古屋港(乙) Nagoya-ko(Otsu)	ボウ grey mullet, striped mullet, common mullet	Nov.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	145		三河湾 Mikawa-wan	K-5	衣浦湾 Kinuura-wan	ボウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	146	三重県 Mie-Pref.	伊勢湾 Ise-wan	St-4	四日市・鈴鹿地先海域(甲) Yokkaichi, Suzukachisaki kaiiki(kou)	セイゴ sea bass, Japanese sea bass	Feb.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	147	大阪府 Osaka-Pref.	大阪湾 Osaka-wan	B-3	堺市沖 Sakaiishi-oki	スズキ sea bass, Japanese sea bass	Nov.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	148	兵庫県 Hyogo-Pref.	大阪湾 Osaka-wan	2	西宮市沖1 Nishinomiyaishi-oki1	スズキ sea bass, Japanese sea bass	Nov.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	149		播磨灘 Harima-nada	61	白浜沖 Shirahama-oki	スズキ sea bass, Japanese sea bass	Nov.30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	1	
	150	和歌山県 Wakayama-Pref.	紀伊水道 Kii-suido	St11	和歌山下津港 Wakayama Shimozu-ko	イボダイ butterflyfish, Japanese butterflyfish	Nov.26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
	151	岡山県 Okayama-Pref.	備讃瀬戸 Bisanseto	505	玉島港沖合 Tamashimakou-okiai	ボウ grey mullet, striped mullet, common mullet	Nov.19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	
	152	広島県 Hiroshima-Pref.	広島湾 Hiroshima-wan	32-29		ボウ grey mullet, striped mullet, common mullet	Jan.29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	153	山口県 Yamaguchi-Pref.	周防灘 Suonada	T-D-4	徳山湾 Tokushima-wan	スズキ sea bass, Japanese sea bass	Nov.9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	154	愛媛県 Ehime-Pref.	燧灘 Hiuchinada	610-5	新居浜海域 Niihama-kaiiki	スズキ sea bass, Japanese sea bass	Nov.23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	155		伊予灘 Iyo-nada	628-16	松山海域 Matsuyama-kaiiki	ボウ grey mullet, striped mullet, common mullet	Nov.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
	156	北九州市 Kitakyusyu-shi	洞海湾 Dokai-wan	D2	湾口部 Wanko-bu	シロウチ silver jewfish	Dec.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Measured results of aquatic animals and plant life (in general water areas) (No.237)

						Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds							
No.						1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19				
SPEED'98						2										3							33	34						
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin		
						units																								
						Minimum detection value	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10		1	1
						Range of blank value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.3	0.00	
																											0.7	0.07		
	157	大分県 Oita-Pref.	豊後水道 Bungo-suido	605-2	臼杵湾 Usuki-wan	ホウ grey mullet, striped mullet, common mullet	Dec.16	N.D.	N.D.	1.2	2.4	4.6	7.1	4.8	0.8	N.D.	N.D.	21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4	8	
河川 Rivers	158	越谷市 Koshigaya-shi	古利根川 Furutonegawa	1級 1st	寿橋 Kotobuki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	159	越谷市 Koshigaya-shi	新方川 Shinkatagawa	1級 1st	昭和橋 Showa-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	160	船橋市 Funabashi-shi	海老川 Ebigawa	2級 2nd	八千代橋 Yachiyo-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	161	柏市 Kashiwa-shi	大堀川 Oohorigawa	2級 2nd	青葉橋 Aoba-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	162	浜松市 Hamamatsu-shi	伊佐地川 Isachigawa	2級 2nd	中之谷橋 Nakanotani-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	163		馬込川 Magomegawa	2級 2nd	茄子橋 Nasu-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	164		佐鳴湖 Sameiko	2級 2nd	佐鳴湖出口 Sameiko-deguchi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	165	清水市 Shimizu-shi	興津川 Okitsugawa	2級 2nd	八幡橋 Yawata-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	166	東大阪市 Higashi-Osaka	第二寝屋川 Daini-Nevagawa	1級 1st	新金五郎橋 Shin-Kingoro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	167		恩智川 Onchigawa	1級 1st	南新田橋 Minami-Nitta-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	168	呉市 Kure-shi	二河川 Nikawagawa	2級 2nd	山手橋 Yamate-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	169		黒瀬川 Kurosegawa	2級 2nd	幸福橋 Imofuku-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	170	佐世保市 Sasebo-shi	相浦川 Aiuragawa	2級 2nd	相浦橋 Aiura-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	171		小森川 Komorigawa	2級 2nd	小森橋 Komori-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	172	熊本市 Kumamoto-shi	坪井川 Tsuboigawa	2級 2nd	上代橋 Kamishiro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Measured results of aquatic animals and plant life (in general water areas) (No.238)

						Alkyl phenol (from C4 to C9)							Aromatic compounds (other than VOC)																								
No.						20	21	22	23	24	25	26	27	28	29	30	31	32					33														
SPEED'98						36							43	46	47	48	66																				
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin					
						μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg			
						units																															
						Minimum detection value						1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		1	1	1	1	1	1	1	
						Range of blank value						0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0
	157	大分県 Oita-Pref.	豊後水道 Bungo-suido	605-2	臼杵湾 Usuki-wan	ホウ grey mullet, striped mullet, common mullet	Dec.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
河川 Rivers	158	越谷市 Koshigaya-shi	古利根川 Furutonegawa	1級 1st	寿橋 Kotobuki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	159	越谷市 Koshigaya-shi	新方川 Shinkatagawa	1級 1st	昭和橋 Showa-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	160	船橋市 Funabashi-shi	海老川 Ebigawa	2級 2nd	八千代橋 Yachiyo-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	161	柏市 Kashiwa-shi	大堀川 Oohorigawa	2級 2nd	青葉橋 Aoba-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	162	浜松市 Hamamatsu-shi	伊佐地川 Isachigawa	2級 2nd	中之谷橋 Nakanotani-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	163		馬込川 Magomegawa	2級 2nd	茄子橋 Nasu-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	164		佐鳴湖 Sameiko	2級 2nd	佐鳴湖出口 Sameiko-deguchi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	165	清水市 Shimizu-shi	興津川 Okitsugawa	2級 2nd	八幡橋 Yawata-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	166	東大阪市 Higashi-Osaka	第二寝屋川 Daini-Nevagawa	1級 1st	新金五郎橋 Shin-Kingoro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	167		恩智川 Onchigawa	1級 1st	南新田橋 Minami-Nitta-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	168	呉市 Kure-shi	二河川 Nikawagawa	2級 2nd	山手橋 Yamate-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	169		黒瀬川 Kurosegawa	2級 2nd	幸福橋 Imofuku-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	170	佐世保市 Sasebo-shi	相浦川 Aiuragawa	2級 2nd	相浦橋 Aiura-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	171		小森川 Komorigawa	2級 2nd	小森橋 Komori-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	172	熊本市 Kumamoto-shi	坪井川 Tsuboigawa	2級 2nd	上代橋 Kamishiro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		



Measured results of aquatic animals and plant life (in general water areas) (No.239)

							Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC				
No.							34	35	36	37	38	39	40	41	42	43	44	45	46		
SPEED'98							37	44	42	65	40	63	64	39	38	41	45	67	-		
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
							μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
Minimum detection value							5	1.5	10	10	25	10	10	10	10	25	10	10	1	1	
Range of blank value							1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0 ~ 6	0.0	0.0 ~ 0.7		
	157	大分県 Oita-Pref.	豊後水道 Bungo-suido	605-2	臼杵湾 Usuki-wan	ホウ grey mullet, striped mullet, common mullet	Dec.16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
河川 Rivers	158	越谷市 Koshigaya-shi	古利根川 Furutonegawa	1級 1st	寿橋 Kotobuki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	159	越谷市 Koshigaya-shi	新方川 Shinkatagawa	1級 1st	昭和橋 Showa-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	160	船橋市 Funabashi-shi	海老川 Ebigawa	2級 2nd	八千代橋 Yachiyo-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	161	柏市 Kashiwa-shi	大堀川 Oohorigawa	2級 2nd	青葉橋 Aoba-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	162	浜松市 Hamamatsu-shi	伊佐地川 Isachigawa	2級 2nd	中之谷橋 Nakanotani-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	163		馬込川 Magomegawa	2級 2nd	茄子橋 Nasu-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	164		佐鳴湖 Sameiko	2級 2nd	佐鳴湖出口 Sameiko-deguchi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	165	清水市 Shimizu-shi	興津川 Okitsugawa	2級 2nd	八幡橋 Yawata-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	166	東大阪市 Higashi-Osaka	第二寝屋川 Daini-Nevagawa	1級 1st	新金五郎橋 Shin-Kingoro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	167		恩智川 Onchigawa	1級 1st	南新田橋 Minami-Nitta-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	168	呉市 Kure-shi	二河川 Nikawagawa	2級 2nd	山手橋 Yamate-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	169		黒瀬川 Kurosegawa	2級 2nd	幸福橋 Imofuku-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	170	佐世保市 Sasebo-shi	相浦川 Aiuragawa	2級 2nd	相浦橋 Aiura-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	171		小森川 Komorigawa	2級 2nd	小森橋 Komori-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	172	熊本市 Kumamoto-shi	坪井川 Tsuboigawa	2級 2nd	上代橋 Kamishiro-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Measured results of aquatic animals and plant life (in general water areas) (No.240)

								Polychlorinated biphenyl (PCB)										Polybromobiphenyl (PBB)							Organic tin compounds												
No.								1	2	3	4	5	6	7	8	9	10		11	12	13	14	15	16	17		18	19									
SPEED'98								2										3							33	34											
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Chlorinated biphenyl	Dichloro biphenyl	Trichloro biphenyl	Tetrachloro biphenyl	Pentachloro biphenyl	Hexachloro biphenyl	Heptachloro biphenyl	Octachloro biphenyl	Nonachloro biphenyl	Decichloro biphenyl	Total of polychlorinated biphenyl	Bromo biphenyl	Dibromo biphenyl	Tribromo biphenyl	Tetrabromo biphenyl	Pentabromo biphenyl	Hexabromo biphenyl	Decibromo biphenyl	Total of polybromobiphenyl	Tributyltin	Triphenyltin									
								μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg			
								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2	2	2	2	2	2	2	10	1	1			
								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.3	0.00			
																																		~	~		
																																				0.7	0.07
	173	熊本市 Kumamoto-shi	井芹川 Iserigawa	2級 2nd	尾崎橋 Ozaki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
海域 Sea areas	174	船橋市 Funabashi-shi	東京湾 Tokyo-wan		船橋1 Funabashi1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
河川 Rivers	175	京都市 Kyoto-shi	山科川 Yamashinagawa	1級 1st	新六地藏橋 Shinrokujizou-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	176		西高瀬川 Nishi-Takasegawa	1級 1st	天神橋 Tenjin-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	177	川崎市 Kawasaki-shi	東京湾 Tokyo-wan		扇島沖 Ougishima-oki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

Measured results of aquatic animals and plant life (in general water areas) (No.241)

					Alkyl phenol (from C4 to C9)								Aromatic compounds (other than VOC)																					
No.					20	21	22	23	24	25	26	27	28	29	30	31	32				33													
SPEED'98					36								43	46	47	48	66																	
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	4-t-Butylphenol	4-n-Butylphenol	4-n-Pentylphenol	4-n-Hexylphenol	4-n-Heptylphenol	Nonylphenol	4-t-Octylphenol	4-n-Octylphenol	Benzo(a)pyrene	Benzophenone	4-Nitrotoluene	Octachlorostyrene	Total of styrene dimers	1,3-diphenyl propane	cis-1,2-diphenyl cyclobutane	trans-1,2-diphenyl cyclobutane	2,4-diphenyl-1-butene	Total of styrene trimers	2,4,6-triphenyl-1-hexene	1e,3e,5a-triphenyl cyclohexane	1e,3e,5e-triphenyl cyclohexane	1a-phenyl-4a-(1-phenylethyl)tetralin	1a-phenyl-4e-(1-phenylethyl)tetralin	1e-phenyl-4a-(1-phenylethyl)tetralin	1e-phenyl-4e-(1-phenylethyl)tetralin		
					units																													
					Minimum detection value																													
					Range of blank value																													
								μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
								1.5	1.5	1.5	1.5	1.5	15	1.5	1.5	2	1	1	2		1	1	1	1		1	1	1	1	1	1	1	1	1
								0.0	0.0	0.0	0.0	0.0	3 ~ 6	0.0	0.0	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0
	173	熊本市 Kumamoto-shi	井芹川 Iserigawa	2級 2nd	尾崎橋 Ozaki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
海域 Sea areas	174	船橋市 Funabashi-shi	東京湾 Tokyo-wan		船橋1 Funabashi1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
河川 Rivers	175	京都市 Kyoto-shi	山科川 Yamashinagawa	1級 1st	新六地藏橋 Shinrokujizou-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	176		西高瀬川 Nishi-Takasegawa	1級 1st	天神橋 Tenjin-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	177	川崎市 Kawasaki-shi	東京湾 Tokyo-wan		扇島沖 Ougishima-oki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Measured results of aquatic animals and plant life (in general water areas) (No.242)

								Bisphenol A and chlorinated phenols		Phthalates (PAEs)								VOC			
No.								34	35	36	37	38	39	40	41	42	43	44	45	46	
SPEED'98								37	44	42	65	40	63	64	39	38	41	45	67	-	
Sample	Autumn No.	Prefecture City	Rivers Lakes Sea areas	Section	Site	Name of fish species	Fish sampling date	Bisphenol A	2,4-Dichlorophenol	Diethyl phthalate	Dipropyl phthalate	Di-n-butyl phthalate	Dipentyl phthalate	Dihexyl phthalate	Butyl benzyl phthalate	Di-(2-ethylhexyl) phthalate	Dicyclohexyl phthalate	Di-(2-ethylhexyl) phthalate	n-Butylbenzene	Styrene monomer	
								μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	
units																					
Minimum detection value								5	1.5	10	10	25	10	10	10	25	10	10	1	1	
Range of blank value								1.0 ~ 3.0	0.0	0	0	12 ~ 25	0	0	0	34 ~ 95	0	0	0.0	0.0	
	173	熊本市 Kumamoto-shi	井芹川 Iserigawa	2級 2nd	尾崎橋 Ozaki-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
海域 Sea areas	174	船橋市 Funabashi-shi	東京湾 Tokyo-wan		船橋1 Funabashi1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
河川 Rivers	175	京都市 Kyoto-shi	山科川 Yamashinagawa	1級 1st	新六地藏橋 Shinrokujizou-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	176		西高瀬川 Nishi-Takasegawa	1級 1st	天神橋 Tenjin-bashi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	177	川崎市 Kawasaki-shi	東京湾 Tokyo-wan		扇島沖 Ougishima-oki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	