











Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
144	4- <i>tert</i> -Butylphenol	98-54-4	1976	0/68	0/20	—	(0.2~5)	0/68	0/20	—	(0.01~0.25)												144	
			1996	0/168	0/56	—	(0.714)	0/168	0/56	—	(0.1)					0/18	0/6	—	(11)					
			1997	6/141	2/47	0.1	(0.08)	0/168	0/56	—	(0.04)													
	<i>p</i> - <i>tert</i> -Butylphenol	See 4- <i>tert</i> -Butylphenol																						
145	2- <i>sec</i> -Butylphenyl <i>N</i> -methylcarbamate (synonym: BPMC)	3766-81-2	1988	0/75	0/25	—	(0.4)	0/69	0/23	—	(0.0103)							4/72	2/12	7.7~48	(7.0)		145	
			2006	30/30	10/10	0.0002~0.0051	(0.0002)																	
	<i>o</i> - <i>sec</i> -Butylphenyl methylcarbamate	See 2- <i>sec</i> -Butylphenyl <i>N</i> -methylcarbamate																						
	6- <i>tert</i> -Butyl-2,4-xyleneol	See 2-(1,1-Dimethylethyl)-4,6-dimethylphenol																						
146	Cadmium and its compounds (as Cadmium)	7440-43-9	1978											Bivalves 10/10 Fish 9/30 Birds 6/6	Bivalves 2/2 Fish 2/6 Birds 1/1	Bivalves 0.09~0.31 Fish 0.01~0.03 Birds 0.02	(Fish 0.01)						146	
			1979												Bivalves 15/15 Fish 0/40 Birds 6/6	Bivalves 3/3 Fish 0/8 Birds 1/1	Bivalves 0.16~0.68 Fish — Birds 0.08~0.12	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)						
			1980												Birds 8/8	Birds 1/1	Birds 0.01~0.02	(Birds 0.01)						
	Camphchlor	See Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptanes																						
	Caprolactam	See <i>epsilon</i> -Caprolactam																						
147	<i>epsilon</i> -Caprolactam	105-60-2	1977	0/6	0/2	—	(1~5)	1/6	1/2	1.6	(0.5~1)												147	
			1991	0/30	0/10	—	(0.2)	0/30	0/10	—	(0.027)	Fish 1/30	Fish 1/10	Fish 0.014	(Fish 0.01)	7/51	3/17	120~330	(100)					
			2010													23/42	9/14	3.6~370	(3.6)					
	Captafol	See <i>N</i> -(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide																						
	Carbaryl	See 1-Naphtyl <i>N</i> -methylcarbamate																						
148	Carbazole	86-74-8	1976	0/20	0/5	—	(0.2)	0/20	0/5	—	(0.02)												148	
			1994													0/30	0/10	—	(50)					
	Carbofuran	See 2,3-Dihydro-2,2-dimethyl-7-benzo[ <i>b</i> ]furanyl <i>N</i> -methylcarbamate																						
149	Carbon disulfide	75-15-0	1977	0/6	0/4	—	(0.056~0.1)	0/6	0/4	—	(0.0015~0.01)												149	
			1992													5/51	3/17	530~1,900	(500)					
150	4,4'-Carbonimidoylbis( <i>N,N</i> -dimethylanilin) monohydrochlorid (synonym: Auramine or Basic Yellow-2)	2465-27-2	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.7)												150	
151	<i>p</i> -Carboxy- <i>beta</i> -(5-nitro-2-furyl)styrene sodium	54992-23-3	1983	0/30	0/10	—	(0.1~0.5)	0/30	0/10	—	(0.001~0.054)												151	
152	9-(2-Carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride (synonym: BasicViolet 10)	81-88-9	1986	0/27	0/9	—	(0.2)	0/27	0/9	—	(0.02)												152	
	CAT	See 2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine																						
153	Cerium and its compounds (as Cerium)	7440-45-1 etc.	2010	63/63	21/21	0.0040~1.3	(0.0014)																153	
	CFC-11	See Trichlorofluoromethane																						
	CFC-113	See Trichlorotrifluoroethane																						
	CFC-12	See Dichlorodifluoromethane																						
	Chlormethoxynil	See 2,4-Dichlorophenyl 3-methoxy-4-nitrophenyl ether																						
	Chlorbutanol	See 1,1,1-Trichloro-2-methyl-2-propanol																						
154	<i>cis</i> -Chlordane	5103-71-9	1982	0/126	0/42	—	(0.005)	76/126	31/42	0.0002~0.051	(0.0002~0.001)	Fish 97/123	Fish 30/36	Bivalves 0.001~0.053	(Fish 0.001)								154	
			1983										Bivalves 14/20 Fish 31/50 Birds 5/10	Bivalves 3/4 Fish 7/10 Birds 1/2	Bivalves 0.001~0.021 Fish 0.001~0.024 Birds 0.009~0.017	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1984										Bivalves 15/20 Fish 41/60 Birds 5/10	Bivalves 3/4 Fish 9/12 Birds 1/2	Bivalves 0.001~0.028 Fish 0.001~0.042 Birds 0.007~0.010	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1985										Bivalves 15/20 Fish 35/60 Birds 5/10	Bivalves 3/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.035 Fish 0.001~0.023 Birds 0.013~0.017	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1986		1/18	0.01				10/18	0.0002~0.0200			Bivalves 16/20 Fish 39/60 Birds 5/10	Bivalves 4/4 Fish 8/12 Birds 1/2	Bivalves 0.001~0.034 Fish 0.001~0.021 Birds 0.008~0.021	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	18/73	7/12	0.43~5.0	(0.4)			
			1987		1/20	0.0009				12/20	0.00008~0.034			Bivalves 15/20 Fish 44/65 Birds 5/10	Bivalves 3/4 Fish 9/13 Birds 1/2	Bivalves 0.001~0.034 Fish 0.001~0.026 Birds 0.008~0.018	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1988		0/22	—				7/22	0.00011~0.012			Bivalves 13/20 Fish 37/65 Birds 5/10	Bivalves 3/4 Fish 9/13 Birds 1/2	Bivalves 0.001~0.018 Fish 0.001~0.022 Birds 0.005~0.008	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1989		0/17	—				6/17	0.00016~0.020			Bivalves 16/21 Fish 45/65 Birds 5/10	Bivalves 4/5 Fish 10/13 Birds 1/2	Bivalves 0.001~0.044 Fish 0.001~0.035 Birds 0.002~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1990		0/18	—				6/18	0.00012~0.0202			Bivalves 18/25 Fish 38/65 Birds 5/10	Bivalves 4/5 Fish 9/13 Birds 1/2	Bivalves 0.001~0.053 Fish 0.001~0.022 Birds 0.003~0.008	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1991		0/18	—				8/18	0.000094~0.015			Bivalves 20/30 Fish 38/65 Birds 5/10	Bivalves 4/6 Fish 9/13 Birds 1/2	Bivalves 0.001~0.032 Fish 0.001~0.019 Birds 0.002~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1992		0/18	—				9/18	0.000025~0.013			Bivalves 15/30 Fish 37/70 Birds 5/10	Bivalves 3/6 Fish 8/14 Birds 1/2	Bivalves 0.001~0.040 Fish 0.001~0.015 Birds 0.004~0.009	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1993		1/19	0.0003				8/19	0.000014~0.012			Bivalves 19/30 Fish 37/70 Birds 5/10	Bivalves 4/6 Fish 9/14 Birds 1/2	Bivalves 0.001~0.034 Fish 0.001~0.015 Birds 0.004~0.007	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1994		0/17	—				7/17	0.000028~0.0075			Bivalves 20/30 Fish 33/70 Birds 0/5	Bivalves 4/6 Fish 11/14 Birds 0/1	Bivalves 0.001~0.036 Fish 0.001~0.017 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1995		0/18	—				4/18	0.000052~0.0045			Bivalves 20/30 Fish 33/70 Birds 0/10	Bivalves 4/6 Fish 9/14 Birds 0/2	Bivalves 0.002~0.041 Fish 0.001~0.008 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1996		0/18	—				9/18	0.000038~0.005			Bivalves 15/30 Fish 24/70 Birds 0/10	Bivalves 3/6 Fish 6/14 Birds 0/2	Bivalves 0.002~0.025 Fish 0.001~0.027 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
1997		0/18	—				6/18	0.000022~0.00593			Bivalves 20/30 Fish 18/70 Birds 0/10	Bivalves 4/6 Fish 4/14 Birds 0/2	Bivalves 0.001~0.023 Fish 0.001~0.009 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1998		0/18	—			6/18	0.00022~0.0052			Bivalves 20/30 Fish 25/70 Birds 0/10	Bivalves 4/6 Fish 6/14 Birds 0/2	Bivalves 0.001~0.016 Fish 0.001~0.010 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1999					3/18	0.00039~0.0020				Bivalves 15/30 Fish 20/70 Birds 0/10	Bivalves 3/6 Fish 5/14 Birds 0/2	Bivalves 0.001~0.019 Fish 0.001~0.009 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2000					5/17	0.00021~0.0057				Bivalves 15/30 Fish 26/69 Birds 0/10	Bivalves 3/6 Fish 7/14 Birds 0/2	Bivalves 0.001~0.025 Fish 0.001~0.010 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2001					4/20	0.0010~0.0047				Bivalves 15/30 Fish 31/72 Birds 1/10	Bivalves 3/6 Fish 7/15 Birds 1/2	Bivalves 0.002~0.016 Fish 0.001~0.011 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2002	114/114	38/38	0.0000025~0.00088	(0.0000003)	189/189	63/63	0.0000018~0.018	(0.0000003)		Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000024~0.026 Fish 0.000057~0.0069 Birds 0.000010~0.00045	(Bivalves 0.000008) (Fish 0.000008) (Birds 0.000008)	102/102	34/34	0.00086~0.67	(0.00020)				
			2003	36/36	36/36	0.000012~0.00092	(0.0000009)	186/186	62/62	0.0000036~0.019	(0.0000002)		Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00011~0.014 Fish 0.000043~0.0044 Birds 0.000068~0.00037	(Bivalves 0.000013) (Fish 0.000013) (Birds 0.000013)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0064~1.6 C.S. 0.0025~0.22	(W.S. 0.00017) (C.S. 0.00017)				
			2004	38/38	38/38	0.000010~0.0019	(0.0000002)	189/189	63/63	0.000004~0.036	(0.0000002)		Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000091~0.014 Fish 0.000068~0.0098 Birds 0.000058~0.00024	(Bivalves 0.000058) (Fish 0.000058) (Birds 0.000058)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0023~1.0 C.S. 0.0012~0.29	(W.S. 0.00019) (C.S. 0.00019)				
			2005	47/47	47/47	0.000006~0.00051	(0.0000001)	189/189	63/63	0.0000033~0.044	(0.00000064)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000078~0.013 Fish 0.000042~0.0080 Birds 0.000058~0.00034	(Bivalves 0.000039) (Fish 0.000039) (Birds 0.000039)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0034~1.0 C.S. 0.0014~0.26	(W.S. 0.000054) (C.S. 0.000054)				
			2006	48/48	48/48	0.000005~0.00044	(0.0000002)	192/192	64/64	0.0000009~0.013	(0.0000008)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000067~0.018 Fish 0.000056~0.0049 Birds 0.000005~0.00025	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0029~0.76 C.S. 0.0020~0.28	(W.S. 0.00004) (C.S. 0.00004)				
			2007	47/48	47/48	0.000002~0.00068	(0.0000002)	191/192	64/64	0.000002~0.0075	(0.0000002)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000059~0.019 Fish 0.00003~0.0052 Birds 0.000004~0.00023	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.0033~1.1 C.S. 0.0014~0.23	(W.S. 0.00004) (C.S. 0.00004)				
			2008	48/48	48/48	0.0000029~0.00048	(0.0000006)	192/192	64/64	0.0000023~0.011	(0.0000009)		Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000085~0.011 Fish 0.000036~0.0035 Birds 0.000003~0.00028	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0019~0.79 C.S. 0.0015~0.20	(W.S. 0.00005) (C.S. 0.00005)				
			2009	49/49	49/49	0.0000044~0.00071	(0.0000004)	192/192	64/64	0.0000020~0.0086	(0.0000003)		Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000083~0.016 Fish 0.000041~0.0032 Birds 0.000004~0.00013	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0027~0.79 C.S. 0.00065~0.18	(W.S. 0.00006) (C.S. 0.00006)				
			2010	47/49	47/49	0.000004~0.00017	(0.0000004)	64/64	64/64	0.000004~0.0072	(0.0000002)		Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000067~0.015 Fish 0.000051~0.0034 Birds 0.000004~0.00018	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0022~0.70 C.S. 0.0008~0.13	(W.S. 0.00003) (C.S. 0.00003)				
155	trans-Chlordane	5103-74-2	1982	0/126	0/42	—	(0.005)	86/126	34/42	0.0002~0.075	(0.0002~0.001)		Fish 90/123 Bivalves 10/20 Fish 24/50 Birds 5/10	Fish 29/36 Bivalves 2/4 Fish 6/10 Birds 1/2	Fish 0.001~0.069 Bivalves 0.010~0.018 Fish 0.001~0.011 Birds 0.001~0.002	(Fish 0.001) (Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1983										Bivalves 11/20 Fish 26/60 Birds 5/10	Bivalves 3/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.018 Fish 0.001~0.014 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1984										Bivalves 13/20 Fish 33/60 Birds 5/10	Bivalves 3/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.022 Fish 0.001~0.010 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1985																					
			1986		0/18	—			10/18	0.0003~0.0184			Bivalves 16/20 Fish 28/60 Birds 5/10	Bivalves 4/4 Fish 6/12 Birds 1/2	Bivalves 0.001~0.024 Fish 0.001~0.012 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	33/73	8/12	0.40~8.5	(0.4)				
			1987		2/20	0.0004~0.0016			13/20	0.00007~0.035			Bivalves 11/20 Fish 32/65 Birds 0/10	Bivalves 3/4 Fish 9/13 Birds 0/2	Bivalves 0.001~0.021 Fish 0.001~0.010 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1988		0/22	—			8/22	0.00016~0.0063			Bivalves 12/20 Fish 25/65 Birds 0/10	Bivalves 3/4 Fish 5/13 Birds 0/2	Bivalves 0.001~0.008 Fish 0.001~0.024 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1989		0/17	—			5/17	0.00023~0.017			Bivalves 11/21 Fish 26/65 Birds 0/10	Bivalves 3/5 Fish 7/13 Birds 0/2	Bivalves 0.002~0.022 Fish 0.001~0.014 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1990		0/18	—			8/18	0.00014~0.0207			Bivalves 15/25 Fish 21/65 Birds 0/10	Bivalves 3/5 Fish 6/13 Birds 0/2	Bivalves 0.002~0.023 Fish 0.001~0.016 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1991		0/18	—			9/18	0.000073~0.016			Bivalves 20/30 Fish 16/65 Birds 0/10	Bivalves 4/6 Fish 4/13 Birds 0/2	Bivalves 0.001~0.011 Fish 0.001~0.013 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1992		0/18	—			10/18	0.000030~0.014			Bivalves 15/30 Fish 23/70 Birds 0/10	Bivalves 3/6 Fish 5/14 Birds 0/2	Bivalves 0.001~0.017 Fish 0.001~0.011 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								

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				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1993		1/19	0.0004			9/19	0.00018~0.011			Bivalves 20/30 Fish 23/70 Birds 0/10	Bivalves 4/6 Fish 5/14 Birds 0/2	Bivalves 0.001~0.010 Fish 0.001~0.016 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1994		0/17	—			6/17	0.000032~0.0079			Bivalves 20/30 Fish 17/70 Birds 0/5	Bivalves 4/6 Fish 5/14 Birds 0/1	Bivalves 0.001~0.010 Fish 0.001~0.008 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1995		0/18	—			6/18	0.000027~0.0039			Bivalves 20/30 Fish 14/70 Birds 0/10	Bivalves 4/6 Fish 5/14 Birds 0/2	Bivalves 0.002~0.008 Fish 0.001~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1996		0/18	—			10/18	0.000034~0.00387			Bivalves 20/30 Fish 20/70 Birds 0/10	Bivalves 4/6 Fish 4/14 Birds 0/2	Bivalves 0.001~0.005 Fish 0.001~0.011 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1997		0/18	—			9/18	0.000007~0.0065			Bivalves 20/30 Fish 11/70 Birds 0/10	Bivalves 4/6 Fish 3/14 Birds 0/2	Bivalves 0.001~0.004 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1998		0/18	—			10/18	0.00014~0.0054			Bivalves 20/30 Fish 15/70 Birds 0/10	Bivalves 4/6 Fish 3/14 Birds 0/2	Bivalves 0.001~0.004 Fish 0.002~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1999						4/18	0.00026~0.0020			Bivalves 10/30 Fish 14/70 Birds 0/10	Bivalves 2/6 Fish 3/14 Birds 0/2	Bivalves 0.001~0.003 Fish 0.001~0.007 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2000						6/17	0.00022~0.0072			Bivalves 20/30 Fish 14/69 Birds 0/10	Bivalves 4/6 Fish 4/14 Birds 0/2	Bivalves 0.001~0.005 Fish 0.001~0.021 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2001						6/20	0.00059~0.0047			Bivalves 15/30 Fish 17/72 Birds 0/10	Bivalves 3/6 Fish 5/15 Birds 0/2	Bivalves 0.001~0.003 Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2002	114/114	38/38	0.000031~0.00078 (0.000005)	189/189	63/63	0.000021~0.016 (0.000006)			Bivalves 38/38  Fish 70/70 Birds 10/10	Bivalves 8/8  Fish 14/14 Birds 2/2	Bivalves 0.000033~0.0023 Fish 0.000020~0.0027 Birds 0.0000089~0.000026	(Bivalves 0.000008) (Fish 0.000008) (Birds 0.000008)	102/102	34/34	0.00062~0.82 (0.00020)						
			2003	36/36	36/36	0.000006~0.00041 (0.000002)	186/186	62/62	0.000024~0.013 (0.000002)			Bivalves 30/30  Fish 70/70 Birds 10/10	Bivalves 6/6  Fish 14/14 Birds 2/2	Bivalves 0.000069~0.0028 Fish 0.0000096~0.0018 Birds 0.0000059~0.000027	(Bivalves 0.000024) (Fish 0.000024) (Birds 0.000024)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0065~2.0 C.S. 0.0025~0.29	(W.S. 0.00029) (C.S. 0.00029)					
			2004	38/38	38/38	0.000005~0.0012 (0.000002)	189/189	63/63	0.000003~0.026 (0.000009)			Bivalves 31/31  Fish 70/70 Birds 5/10	Bivalves 7/7  Fish 14/14 Birds 1/2	Bivalves 0.000053~0.0028 Fish 0.000017~0.0052 Birds 0.000022~0.000026	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0022~1.3 C.S. 0.0015~0.36	(W.S. 0.00023) (C.S. 0.00023)					
			2005	47/47	47/47	0.000003~0.00020 (0.000001)	189/189	63/63	0.0000034~0.032 (0.0000084)			Bivalves 31/31  Fish 76/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000040~0.0024 Fish 0.0000098~0.0031 Birds 0.0000045~0.000030	(Bivalves 0.000035) (Fish 0.000035) (Birds 0.000035)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0032~1.3 C.S. 0.0019~0.31	(W.S. 0.00014) (C.S. 0.00014)					
			2006	48/48	48/48	0.000004~0.00033 (0.000002)	192/192	64/64	0.0000022~0.012 (0.000004)			Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000041~0.0028 Fish 0.000014~0.0020 Birds 0.000003~0.000017	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0034~1.2 C.S. 0.0020~0.35	(W.S. 0.00006) (C.S. 0.00006)					
			2007	47/48	47/48	0.0000009~0.00058 (0.000008)	191/192	64/64	0.000010~0.0075 (0.000008)			Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000034~0.0015 Fish 0.000008~0.0021 Birds 0.000003~0.000019	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.0038~1.3 C.S. 0.0015~0.3	(W.S. 0.00005) (C.S. 0.00005)					
			2008	48/48	48/48	0.000003~0.00042 (0.000001)	192/192	64/64	0.0000024~0.010 (0.000008)			Bivalves 31/31  Fish 85/85 Birds 7/10	Bivalves 7/7  Fish 17/17 Birds 2/2	Bivalves 0.000052~0.0013 Fish 0.000014~0.0013 Birds 0.000003~0.000027	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0025~0.99 C.S. 0.0018~0.25	(W.S. 0.00006) (C.S. 0.00006)					
			2009	49/49	49/49	0.000003~0.00069 (0.000003)	192/192	64/64	0.0000021~0.0083 (0.000007)			Bivalves 31/31  Fish 90/90 Birds 10/10	Bivalves 7/7  Fish 18/18 Birds 2/2	Bivalves 0.000048~0.016 Fish 0.000010~0.0013 Birds 0.000003~0.000013	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0026~0.96 C.S. 0.00068~0.21	(W.S. 0.00005) (C.S. 0.00005)					
			2010	44/49	44/49	0.000004~0.00031 (0.000004)	64/64	64/64	0.000004~0.0080 (0.000004)			Bivalves 6/6  Fish 18/18 Birds 2/2	Bivalves 6/6  Fish 18/18 Birds 2/2	Bivalves 0.000031~0.0055 Fish 0.000009~0.0011 Birds 0.000002~0.000010	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0020~0.82 C.S. 0.001~0.15	(W.S. 0.0004) (C.S. 0.0004)					
156	Chlordecone	143-50-0	2003													0/3	0/1	—	(0.0005)				156	
			2008	13/46	13/46	0.00000010~0.00000076 (0.00000005)	23/129	10/49	0.00000020~0.00000058 (0.00000016)			Bivalves 0/31  Fish 0/85 Birds 0/10	Bivalves 0/7  Fish 0/17 Birds 0/2	Bivalves —  Fish — Birds —	(Bivalves 0.0000022) (Fish 0.0000022) (Birds 0.0000022)									
			2010	13/49	13/49	0.00000017~0.00000016 (0.00000004)	9/64	9/64	0.00000002~0.00000028 (0.00000002)			Bivalves 0/6  Fish 0/18 Birds 0/2	Bivalves 0/6  Fish 0/18 Birds 0/2	Bivalves —  Fish — Birds —	(Bivalves 0.0000023) (Fish 0.0000023) (Birds 0.0000023)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.00002) (C.S. 0.00002)					
	gamma-Chlordene	See 4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene																						
	Chlorfenvinphos	See 2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphates																						
157	Chlorinated paraffins (C <sub>8</sub> -C <sub>32</sub> )	63449-39-8	1979	0/51	0/17	—	(10)	24/51	10/17	0.6~10	(0.5)												157	
			1980	0/120	0/40	—	(10)	31/120	13/40	0.5~8.5	(0.5)	Fish 0/108	Fish 0/28	Fish —	(Fish 0.5)									
	(Chlorination rate: 40%)		2001	2/21	1/7	0.49~0.77	(0.28)	17/21	6/7	0.042~2.0	(0.038)	Fish 0/21	Fish 0/7	Fish —	(Fish 0.0080)									
	(Chlorination rate: 70%)		2001	2/21	1/7	0.46~0.83	(0.14)	16/21	6/7	0.011~0.39	(0.011)	Fish 0/21	Fish 0/7	Fish —	(Fish 0.0037)									











Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
246	Cyclohexane	110-82-7	1979	0/27	0/9	—	(0.05~0.2)	0/27	0/9	—	(0.0001~0.0004)												246	
247	Cyclohexanone	108-94-1	1980	0/24	0/8	—	(4~50)	0/24	0/8	—	(0.2~1.0)												247	
			2006	1/15	1/5	0.5	(0.4)	0/15	0/5	—	(0.013)													
248	Cyclohexene	110-83-8	2007	18/33	6/11	0.00029~0.014	(0.00028)	2/33	1/11	0.00057~0.0027	(0.00055)												248	
249	N-Cyclohexyl benzothiazole sulfenamide	See N-Cyclohexyl-2-benzothiazolesulfenamide	1977	0/12	0/6	—	(0.02~0.08)	0/12	0/6	—	(0.0023~0.02)												249	
			1998	0/36	0/12	—	(0.21)	0/39	0/13	—	(0.01)													
			2005	0/27	0/9	—	(0.075)																	
250	1,3-Cyclopentadiene	542-92-7	1980	3/24	1/8	0.4~0.8	(0.1~0.2)	0/24	0/8	—	(0.0004~0.0022)												250	
251	Cyclopentadiene	See 1,3-Cyclopentadiene																					251	
	Cyclopentane	287-92-3	1980	7/24	4/8	0.1~0.8	(0.1~0.2)	3/24	3/8	0.0007~0.003	(0.0004~0.0024)													
	2,4-D	See 2,4-Dichlorophenoxy acetic acid																						
	Dazomet	See 2-Thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine																						
	DCIP	See Bis(2-chloro-1-methylethyl) ether																						
	DCPA	See 3',4'-Dichloropropionanilide																						
	D-D	See 1,3-Dichloropropene																						
252	o,p'-DDD	53-19-0	1978									Bivalves 0/10 Fish 5/30 Birds 0/7	Bivalves 0/2 Fish 1/6 Birds 0/1	Bivalves — Fish 0.003~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								252	
			1979											Bivalves 0/15 Fish 0/40 Birds 6/6	Bivalves 0/3 Fish 0/8 Birds 1/1	Bivalves — Fish — Birds 0.002~0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1980												Bivalves 0/15 Fish 12/50 Birds 0/8	Bivalves 0/3 Fish 3/10 Birds 0/1	Bivalves — Fish 0.001~0.018 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)						
			1981												Bivalves 0/20 Fish 12/46 Birds 0/7	Bivalves 0/4 Fish 3/9 Birds 0/1	Bivalves — Fish 0.001~0.014 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)						
			1982												Bivalves 0/20 Fish 14/50 Birds 0/9	Bivalves 0/4 Fish 3/10 Birds 0/2	Bivalves — Fish 0.001~0.012 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)						
			1983												Bivalves 1/20 Fish 14/50 Birds 0/10	Bivalves 1/4 Fish 3/10 Birds 0/2	Bivalves 0.001 Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)						
			1984													Bivalves 0/20 Fish 15/60 Birds 0/10	Bivalves 0/4 Fish 4/12 Birds 0/2	Bivalves — Fish 0.001~0.006 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1985													Bivalves 0/20 Fish 16/60 Birds 2/10	Bivalves 0/4 Fish 5/12 Birds 1/2	Bivalves — Fish 0.001~0.003 Birds 0.003~0.031	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1986													Bivalves 0/20 Fish 5/60 Birds 0/10	Bivalves 0/4 Fish 1/12 Birds 0/2	Bivalves — Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1987													Bivalves 0/20 Fish 9/65 Birds 0/10	Bivalves 0/4 Fish 4/13 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1988													Bivalves 0/20 Fish 6/65 Birds 0/10	Bivalves 0/4 Fish 3/13 Birds 0/2	Bivalves — Fish 0.001~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1989													Bivalves 0/21 Fish 15/65 Birds 0/10	Bivalves 0/5 Fish 3/13 Birds 0/2	Bivalves — Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1990													Bivalves 0/25 Fish 5/65 Birds 0/10	Bivalves 0/5 Fish 1/13 Birds 0/2	Bivalves — Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1991													Bivalves 5/30 Fish 4/65 Birds 0/10	Bivalves 1/6 Fish 1/13 Birds 0/2	Bivalves 0.001 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1992													Bivalves 0/30 Fish 12/70 Birds 0/10	Bivalves 0/6 Fish 4/14 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1993													Bivalves 5/30 Fish 14/70 Birds 0/10	Bivalves 1/6 Fish 3/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.006 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1994													Bivalves 0/30 Fish 5/70 Birds 0/5	Bivalves 0/6 Fish 1/14 Birds 0/1	Bivalves — Fish 0.001~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1995													Bivalves 0/30 Fish 5/70 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1996													Bivalves 0/30 Fish 10/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves — Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
			1998													Bivalves 0/30 Fish 6/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves — Fish 0.001~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)					
2000													Bivalves 0/30 Fish 9/69 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves — Fish 0.001~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
2001													Bivalves 5/30 Fish 1/72 Birds 0/10	Bivalves 1/6 Fish 1/15 Birds 0/2	Bivalves 0.001 Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2002	113/114	38/38	0.0000021~0.00011	(0.0000020)	184/189	62/63	0.000002~0.014	(0.000002)	Bivalves 38/38 Fish 66/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000009~0.0029 Fish 0.000005~0.0011 Birds 0.000008~0.000023	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	97/102	33/34	0.000027~0.00085	(0.000007)					
			2003	36/36	36/36	0.0000011~0.00016	(0.0000003)	186/186	62/62	0.0000010~0.0088	(0.0000005)	Bivalves 30/30 Fish 66/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000065~0.0019 Fish 0.0000021~0.00092 Birds 0.0000050~0.000036	(Bivalves 0.0000020) (Fish 0.0000020) (Birds 0.0000020)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000059~0.0013 C.S. 0.000062~0.00042	(W.S. 0.000014) (C.S. 0.000014)					
			2004	38/38	38/38	0.0000007~0.000081	(0.0000005)	189/189	63/63	0.0000007~0.016	(0.0000005)	Bivalves 31/31 Fish 68/70 Birds 9/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000060~0.0028 Fish 0.0000020~0.0017 Birds 0.0000030~0.000025	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.000052~0.0026 C.S. 0.000060~0.00086	(W.S. 0.000048) (C.S. 0.000048)					
			2005	47/47	47/47	0.0000005~0.000051	(0.0000004)	189/189	63/63	0.0000008~0.032	(0.0000003)	Bivalves 31/31 Fish 79/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000010~0.0018 Fish 0.0000014~0.0014 Birds 0.0000047~0.000097	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.00007~0.00090 C.S. 0.00003~0.00021	(W.S. 0.00003) (C.S. 0.00003)					
			2006	40/48	40/48	0.0000003~0.000039	(0.0000003)	192/192	64/64	0.0000003~0.013	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007~0.0010 Fish 0.000001~0.0011 Birds 0.000005~0.000019	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 34/37	W.S. 37/37 C.S. 34/37	W.S. 0.00005~0.0014 C.S. 0.00004~0.00079	(W.S. 0.00003) (C.S. 0.00003)					
			2007	48/48	48/48	0.0000003~0.000041	(0.0000003)	192/192	64/64	0.0000005~0.021	(0.0000004)	Bivalves 31/31 Fish 78/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000006~0.0012 Fish 0.000002~0.0013 Birds 0.000005~0.000010	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00005~0.0019 C.S. 0.00003~0.00033	(W.S. 0.00002) (C.S. 0.00002)					
			2008	47/48	47/48	0.0000006~0.00017	(0.0000003)	192/192	64/64	0.0000005~0.050	(0.0000001)	Bivalves 31/31 Fish 80/85 Birds 10/10	Bivalves 7/7 Fish 16/17 Birds 2/2	Bivalves 0.000005~0.0011 Fish 0.000004~0.0010 Birds 0.000002~0.000014	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00005~0.0016 C.S. 0.00004~0.00026	(W.S. 0.00001) (C.S. 0.00001)					
			2009	49/49	49/49	0.00000044~0.000041	(0.00000009)	192/192	64/64	0.0000005~0.024	(0.0000002)	Bivalves 31/31 Fish 87/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000005~0.0010 Fish 0.000001~0.00076 Birds 0.000003~0.000013	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00004~0.00090 C.S. 0.00002~0.00028	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.0000005~0.00017	(0.0000002)	64/64	64/64	0.0000008~0.0069	(0.0000004)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.0000058~0.00040 Fish 0.0000026~0.00070 Birds 0.0000036~0.000011	(Bivalves 0.000002) (Fish 0.00000002) (Birds 0.0000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00004~0.0018 C.S. 0.00002~0.00048	(W.S. 0.00001) (C.S. 0.00001)					
253	<i>p,p'</i> -DDD <i>o,p'</i> -DDE	See 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane 3424-82-6	1978									Bivalves 0/10 Fish 4/30 Birds 5/7	Bivalves 0/2 Fish 1/6 Birds 1/1	Bivalves — Fish 0.002~0.003 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								253	
			1979									Bivalves 1/15 Fish 5/40 Birds 0/6	Bivalves 1/3 Fish 1/8 Birds 0/1	Bivalves 0.002 Fish 0.002~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 0/15 Fish 6/50 Birds 0/8	Bivalves 0/3 Fish 2/10 Birds 0/1	Bivalves — Fish 0.002~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 0/20 Fish 14/46 Birds 0/7	Bivalves 0/4 Fish 3/9 Birds 0/1	Bivalves — Fish 0.001~0.008 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 0/20 Fish 10/50 Birds 4/9	Bivalves 0/4 Fish 2/10 Birds 1/2	Bivalves — Fish 0.001~0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)									
			1983									Bivalves 1/20 Fish 10/50 Birds 5/10	Bivalves 1/4 Fish 2/10 Birds 1/2	Bivalves 0.001 Fish 0.001~0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 10/60 Birds 5/10	Bivalves 0/4 Fish 2/12 Birds 1/2	Bivalves — Fish 0.001~0.012 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 10/60 Birds 0/10	Bivalves 0/4 Fish 4/12 Birds 0/2	Bivalves — Fish 0.001~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987									Bivalves 0/20 Fish 2/65 Birds 0/10	Bivalves 0/4 Fish 1/13 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988									Bivalves 0/20 Fish 5/65 Birds 0/10	Bivalves 0/4 Fish 2/13 Birds 0/2	Bivalves — Fish 0.001~0.007 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 0/21 Fish 9/65 Birds 0/10	Bivalves 0/5 Fish 2/13 Birds 0/2	Bivalves — Fish 0.002~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1990									Bivalves 0/25 Fish 5/65 Birds 0/10	Bivalves 0/5 Fish 1/13 Birds 0/2	Bivalves -- Fish 0.001 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991									Bivalves 0/30 Fish 5/65 Birds 0/10	Bivalves 0/6 Fish 1/13 Birds 0/2	Bivalves -- Fish 0.003~0.006 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 0/30 Fish 10/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves -- Fish 0.001~0.006 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993									Bivalves 5/30 Fish 15/70 Birds 0/10	Bivalves 1/6 Fish 3/14 Birds 0/2	Bivalves 0.001~0.002 Fish 0.001~0.018 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 0/30 Fish 5/70 Birds 0/5	Bivalves 0/6 Fish 1/14 Birds 0/1	Bivalves -- Fish 0.002~0.005 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995									Bivalves 0/30 Fish 10/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves -- Fish 0.001~0.019 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 0/30 Fish 6/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves -- Fish 0.001~0.003 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1998									Bivalves 0/30 Fish 9/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves -- Fish 0.001~0.002 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2000									Bivalves 0/30 Fish 5/69 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves -- Fish 0.002~0.006 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001									Bivalves 0/30 Fish 6/72 Birds 0/10	Bivalves 0/6 Fish 2/15 Birds 0/2	Bivalves -- Fish 0.001~0.009 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	113/114	38/38	0.00000025~ 0.00068	(0.0000003)	188/189	63/63	0.000001~0.016	(0.000001)	Bivalves 38/38  Fish 70/70 Birds 10/10	Bivalves 8/8  Fish 14/14 Birds 2/2	Bivalves 0.000013~ 0.0011 Fish 0.0000036~0.013 Birds 0.000020~ 0.000049	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	102/102	34/34	0.00011~ 0.0085	(0.00001)					
			2003	36/36	36/36	0.00000042~ 0.00017	(0.0000003)	186/186	62/62	0.0000005~0.024	(0.0000002)	Bivalves 30/30  Fish 67/70 Birds 9/10	Bivalves 6/6  Fish 14/14 Birds 2/2	Bivalves 0.000017~ 0.00046 Fish 0.0000012~ 0.0025 Birds 0.0000012~ 0.0000042	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00017~ 0.0075 C.S. 0.00018~ 0.0017	(W.S. 0.0000068) (C.S. 0.0000068)					
			2004	38/38	38/38	0.00000006~0.00017	(0.0000005)	184/189	63/63	0.0000008~0.028	(0.0000008)	Bivalves 31/31  Fish 70/70 Birds 5/10	Bivalves 7/7  Fish 14/14 Birds 1/2	Bivalves 0.000019~ 0.00036 Fish 0.0000089~ 0.0058 Birds 0.0000021~ 0.0000037	(Bivalves 0.0000069) (Fish 0.0000069) (Birds 0.0000069)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00014~ 0.0089 C.S. 0.00014~ 0.0039	(W.S. 0.000012) (C.S. 0.000012)					
			2005	47/47	47/47	0.00000004~0.00041	(0.0000004)	181/189	62/63	0.0000009~0.031	(0.0000009)	Bivalves 31/31  Fish 80/80 Birds 7/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000012~ 0.00047 Fish 0.0000014~0.012 Birds 0.0000012~ 0.0000029	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00033~ 0.0079 C.S. 0.00024~ 0.0020	(W.S. 0.000024) (C.S. 0.000024)					
			2006	28/48	28/48	0.00000052~ 0.00021	(0.0000009)	192/192	64/64	0.0000004~0.027	(0.0000004)	Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000012~ 0.00034 Fish 0.000001~0.0048 Birds 0.000001~ 0.000003	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/37 C.S. 37/37	W.S. 36/37 C.S. 37/37	W.S. 0.00030~ 0.0074 C.S. 0.00019~ 0.0026	(W.S. 0.00003) (C.S. 0.00003)					
			2007	29/48	29/48	0.00000008~0.00021	(0.0000008)	186/192	63/64	0.0000006~0.025	(0.0000004)	Bivalves 31/31  Fish 79/80 Birds 6/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.0000089~ 0.00041 Fish 0.0000013~ 0.0044 Birds 0.0000010~ 0.0000028	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000096 ~0.0070 C.S. 0.00012~ 0.0037	(W.S. 0.000007) (C.S. 0.000007)					
			2008	39/48	39/48	0.00000004~0.00026	(0.0000003)	186/192	63/64	0.0000008~0.037	(0.0000006)	Bivalves 31/31  Fish 85/85 Birds 5/10	Bivalves 7/7  Fish 17/17 Birds 1/2	Bivalves 0.000008~ 0.00039 Fish 0.000001~0.013 Birds 0.000001~ 0.000003	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00011~ 0.0050 C.S. 0.00015~ 0.0011	(W.S. 0.000009) (C.S. 0.000009)					
			2009	47/49	47/49	0.00000011~ 0.00014	(0.0000009)	191/192	64/64	0.0000003~0.033	(0.0000002)	Bivalves 31/31  Fish 90/90 Birds 6/10	Bivalves 7/7  Fish 18/18 Birds 2/2	Bivalves 0.000008~ 0.00031 Fish 0.000001~0.0043 Birds 0.000001~ 0.000002	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000098 ~0.0067 C.S. 0.000072 ~0.0023	(W.S. 0.000006) (C.S. 0.000006)					
			2010	49/49	49/49	0.00000013~ 0.00018	(0.0000009)	64/64	64/64	0.0000007~0.025	(0.0000005)	Bivalves 6/6  Fish 18/18 Birds 1/2	Bivalves 6/6  Fish 18/18 Birds 1/1	Bivalves 0.0000078~ 0.00016 Fish 0.0000012~ 0.0028 Birds 0.0000037	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00009~ 0.0090 C.S. 0.00008~ 0.0023	(W.S. 0.00001) (C.S. 0.00001)					
254	p,p'-DDE	72-55-9	1974	0/55	0/11	--	(0.0003~0.1)	22/50	5/10	0.0001~0.04	(0.01)	Bivalves 10/10 Fish 30/30 Birds 7/7	Bivalves 2/2 Fish 6/6 Birds 1/1	Bivalves 0.002~0.006 Fish 0.002~0.074 Birds 0.021~0.095	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1978									Bivalves 15/15 Fish 40/40 Birds 6/6	Bivalves 3/3 Fish 8/8 Birds 1/1	Bivalves 0.001~0.007 Fish 0.001~0.142 Birds 0.164~0.430	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 15/15 Fish 48/50 Birds 8/8	Bivalves 3/3 Fish 10/10 Birds 1/1	Bivalves 0.001~0.007 Fish 0.001~0.138 Birds 0.124~0.406	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others				Number									
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit										
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site												
			1981										Bivalves 19/20 Fish 41/46 Birds 7/7	Bivalves 4/4 Fish 8/9 Birds 1/1	Bivalves 0.001~0.005 Fish 0.001~0.18 Birds 0.112~0.323	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1982										Bivalves 20/20 Fish 45/50 Birds 9/9	Bivalves 4/4 Fish 9/10 Birds 2/2	Bivalves 0.001~0.004 Fish 0.001~0.36 Birds 0.047~1.1	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)																	
			1983										Bivalves 11/20 Fish 45/50 Birds 10/10	Bivalves 3/4 Fish 9/10 Birds 2/2	Bivalves 0.001~0.006 Fish 0.001~0.125 Birds 0.058~0.51	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1984										Bivalves 15/20 Fish 50/60 Birds 10/10	Bivalves 3/4 Fish 10/12 Birds 2/2	Bivalves 0.001~0.006 Fish 0.001~0.020 Birds 0.088~0.58	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1985										Bivalves 10/20 Fish 51/60 Birds 10/10	Bivalves 2/4 Fish 11/12 Birds 2/2	Bivalves 0.001~0.005 Fish 0.001~0.154 Birds 0.078~0.61	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1986		0/18	—				9/18	0.0002~0.0046		Bivalves 15/20 Fish 56/60 Birds 10/10	Bivalves 3/4 Fish 12/12 Birds 2/2	Bivalves 0.001~0.006 Fish 0.001~0.13 Birds 0.10~0.38	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1987		1/20	0.0007				15/20	0.00002~0.013		Bivalves 15/20 Fish 55/65 Birds 10/10	Bivalves 3/4 Fish 12/13 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.046 Birds 0.078~0.32	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1988		0/22	—				11/22	0.00019~0.012		Bivalves 15/20 Fish 55/65 Birds 10/10	Bivalves 3/4 Fish 12/13 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.230 Birds 0.120~0.400	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1989		0/17	—				10/17	0.00041~0.037		Bivalves 11/21 Fish 52/65 Birds 10/10	Bivalves 3/5 Fish 12/13 Birds 2/2	Bivalves 0.001~0.004 Fish 0.001~0.045 Birds 0.150~0.310	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1990		0/18	—				8/18	0.00025~0.0506		Bivalves 15/25 Fish 59/65 Birds 10/10	Bivalves 3/5 Fish 13/13 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.049 Birds 0.072~0.310	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1991		0/18	—				12/18	0.00028~0.074		Bivalves 14/30 Fish 56/65 Birds 10/10	Bivalves 3/6 Fish 12/13 Birds 2/2	Bivalves 0.002~0.004 Fish 0.001~0.043 Birds 0.045~0.46	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1992		0/18	—				10/18	0.00051~0.060		Bivalves 19/30 Fish 58/70 Birds 10/10	Bivalves 4/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.004 Fish 0.001~0.049 Birds 0.067~0.46	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1993		0/19	—				14/19	0.000034~0.052		Bivalves 18/30 Fish 59/70 Birds 10/10	Bivalves 5/6 Fish 14/14 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.077 Birds 0.090~0.52	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1994		0/17	—				12/17	0.00012~0.029		Bivalves 13/30 Fish 60/70 Birds 5/5	Bivalves 3/6 Fish 14/14 Birds 1/1	Bivalves 0.001~0.003 Fish 0.001~0.030 Birds 0.076~0.150	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1995		0/18	—				9/18	0.00019~0.028		Bivalves 15/30 Fish 63/70 Birds 10/10	Bivalves 3/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.008 Fish 0.001~0.020 Birds 0.051~0.700	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1996		0/18	—				14/18	0.000161~0.034		Bivalves 10/30 Fish 59/70 Birds 10/10	Bivalves 2/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.094 Birds 0.013~0.108	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1997		0/18	—				13/18	0.000114~0.024		Bivalves 15/30 Fish 50/70 Birds 10/10	Bivalves 3/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.004 Fish 0.001~0.033 Birds 0.009~0.149	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1998		0/18	—				13/18	0.00028~0.041		Bivalves 20/30 Fish 59/70 Birds 10/10	Bivalves 4/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.021 Birds 0.010~0.140	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			1999							10/18	0.00013~0.025		Bivalves 17/30 Fish 45/70 Birds 10/10	Bivalves 4/6 Fish 13/14 Birds 2/2	Bivalves 0.001~0.008 Fish 0.001~0.016 Birds 0.007~0.130	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			2000							10/17	0.00013~0.011		Bivalves 14/30 Fish 50/69 Birds 10/10	Bivalves 3/6 Fish 12/14 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.048 Birds 0.010~0.133	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			2001							8/20	0.00020~0.013		Bivalves 10/30 Fish 50/72 Birds 10/10	Bivalves 2/6 Fish 13/15 Birds 2/2	Bivalves 0.003~0.007 Fish 0.001~0.031 Birds 0.019~0.20	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)																	
			2002	114/114	38/38	0.0000013~0.00076	(0.000002)	189/189	63/63	0.0000084~0.023	(0.000009)		Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.00014~0.0060 Fish 0.00051~0.098 Birds 0.0081~0.17	(Bivalves 0.000008) (Fish 0.000008) (Birds 0.000008)	102/102	34/34	0.00056~0.028	(0.00003)													
			2003	36/36	36/36	0.000005~0.00038	(0.000002)	186/186	62/62	0.0000095~0.080	(0.000003)		Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00019~0.0065 Fish 0.00018~0.012 Birds 0.018~0.24	(Bivalves 0.000019) (Fish 0.0000019) (Birds 0.0000019)	W.S. 35/35	W.S. 35/35	W.S. 0.0012~0.051	(W.S. 0.00013)	C.S. 34/34	C.S. 34/34	C.S. 0.0011~0.022	(C.S. 0.00013)									
			2004	38/38	38/38	0.000006~0.00068	(0.000003)	189/189	63/63	0.000008~0.039	(0.000008)		Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00022~0.0084 Fish 0.00039~0.052 Birds 0.0068~0.20	(Bivalves 0.000027) (Fish 0.0000027) (Birds 0.0000027)	W.S. 37/37	W.S. 37/37	W.S. 0.00062~0.095	(W.S. 0.00039)	C.S. 37/37	C.S. 37/37	C.S. 0.00085~0.043	(C.S. 0.00039)									
			2005	47/47	47/47	0.000004~0.00041	(0.000002)	189/189	63/63	0.0000084~0.064	(0.0000094)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00023~0.0066 Fish 0.00023~0.073 Birds 0.0071~0.30	(Bivalves 0.000028) (Fish 0.0000028) (Birds 0.0000028)	W.S. 37/37	W.S. 37/37	W.S. 0.0012~0.042	(W.S. 0.00034)	C.S. 37/37	C.S. 37/37	C.S. 0.00076~0.0099	(C.S. 0.00034)									
			2006	48/48	48/48	0.000004~0.00017	(0.000002)	192/192	64/64	0.0000058~0.049	(0.000003)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00016~0.0060 Fish 0.00028~0.028 Birds 0.0059~0.16	(Bivalves 0.000007) (Fish 0.0000007) (Birds 0.000007)	W.S. 37/37	W.S. 37/37	W.S. 0.0017~0.049	(W.S. 0.00003)	C.S. 37/37	C.S. 37/37	C.S. 0.00052~0.0095	(C.S. 0.00003)									
			2007	48/48	48/48	0.000002~0.00044	(0.000002)	192/192	64/64	0.0000032~0.061	(0.000004)		Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00018~0.0056 Fish 0.00016~0.022 Birds 0.0067~0.32	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36	W.S. 36/36	W.S. 0.00054~0.12	(W.S. 0.00002)	C.S. 36/36	C.S. 36/36	C.S. 0.00073~0.039	(C.S. 0.00002)									



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2008	48/48	48/48	0.000025~0.00035	(0.0000004)	192/192	64/64	0.0000090~0.096	(0.0000007)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.00012~0.0058 Fish 0.00032~0.053 Birds 0.0075~0.16	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00098~0.096 C.S. 0.00089~0.022	(W.S. 0.00002) (C.S. 0.00002)					
			2009	49/49	49/49	0.0000034~0.00024	(0.0000004)	192/192	64/64	0.0000067~0.050	(0.0000003)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.00015~0.0064 Fish 0.00026~0.020 Birds 0.0043~0.22	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00087~0.13 C.S. 0.0006~0.10	(W.S. 0.00003) (C.S. 0.00003)					
			2010	49/49	49/49	0.0000024~0.0016	(0.0000008)	64/64	64/64	0.000011~0.040	(0.000002)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00023~0.0063 Fish 0.00026~0.013 Birds 0.0063~0.16	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00041~0.20 C.S. 0.00047~0.028	(W.S. 0.00021) (C.S. 0.00021)					
255	<i>o,p'</i> -DDT	789-02-6	1974	0/55	0/11	—	(0.0007~0.1)	0/50	0/10	—	(0.0003~0.01)	Fish 6/49	Fish 2/10	Fish 0.0016~0.0021	(Fish 0.0005~0.005)								255	
			1978									Bivalves 1/10 Fish 20/30 Birds 2/7	Bivalves 1/2 Fish 4/6 Birds 1/1	Bivalves 0.001 Fish 0.001~0.017 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									Bivalves 0/15 Fish 13/40 Birds 0/6	Bivalves 0/3 Fish 5/8 Birds 0/1	Bivalves — Fish 0.001~0.032 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 0/15 Fish 19/50 Birds 2/8	Bivalves 0/3 Fish 6/10 Birds 1/1	Bivalves — Fish 0.001~0.009 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 5/20 Fish 13/46 Birds 0/7	Bivalves 1/4 Fish 3/9 Birds 0/1	Bivalves 0.002~0.003 Fish 0.001~0.019 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 2/20 Fish 14/50	Bivalves 1/4 Fish 4/10 Birds 1/2	Bivalves 0.001 Fish 0.001~0.024 Birds 0.001	(Bivalves 0.001) (Fish 0.001~0.005) (Birds 0.001)									
			1983									Bivalves 5/20 Fish 14/50 Birds 0/10	Bivalves 1/4 Fish 3/10 Birds 0/2	Bivalves 0.001~0.003 Fish 0.001~0.013 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 9/60 Birds 0/10	Bivalves 0/4 Fish 2/12 Birds 0/2	Bivalves — Fish 0.001~0.021 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 12/60 Birds 2/10	Bivalves 0/4 Fish 3/12 Birds 1/2	Bivalves — Fish 0.001~0.008 Birds 0.003~0.022	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 0/20 Fish 11/60 Birds 0/10	Bivalves 0/4 Fish 3/12 Birds 0/2	Bivalves — Fish 0.001~0.013 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987									Bivalves 0/20 Fish 10/65 Birds 0/10	Bivalves 0/4 Fish 3/13 Birds 0/2	Bivalves — Fish 0.001~0.020 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988									Bivalves 0/20 Fish 9/65 Birds 0/10	Bivalves 0/4 Fish 3/13 Birds 0/2	Bivalves — Fish 0.001~0.018 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 5/21 Fish 6/65 Birds 0/10	Bivalves 1/5 Fish 2/13 Birds 0/2	Bivalves 0.002~0.003 Fish 0.001~0.011 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 5/25 Fish 5/65 Birds 4/10	Bivalves 1/5 Fish 1/13 Birds 1/2	Bivalves 0.002~0.003 Fish 0.003~0.013 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991									Bivalves 5/30 Fish 5/65 Birds 5/10	Bivalves 1/6 Fish 1/13 Birds 1/2	Bivalves 0.001~0.003 Fish 0.006~0.012 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 5/30 Fish 5/70 Birds 1/10	Bivalves 1/6 Fish 1/14 Birds 1/2	Bivalves 0.001 Fish 0.005~0.011 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993									Bivalves 5/30 Fish 5/70 Birds 0/10	Bivalves 1/6 Fish 1/14 Birds 0/2	Bivalves 0.001~0.002 Fish 0.003~0.013 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 0/30 Fish 4/70 Birds 0/5	Bivalves 0/6 Fish 1/14 Birds 0/1	Bivalves — Fish 0.003~0.008 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995									Bivalves 0/30 Fish 15/70 Birds 0/10	Bivalves 0/6 Fish 4/14 Birds 0/2	Bivalves — Fish 0.001~0.014 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 0/30 Fish 9/70 Birds 0/10	Bivalves 0/6 Fish 5/14 Birds 0/2	Bivalves — Fish 0.001~0.008 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1998									Bivalves 0/30 Fish 2/70 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves — Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2000									Bivalves 0/30 Fish 7/69 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves — Fish 0.001~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001									Bivalves 0/30 Fish 10/72 Birds 0/10	Bivalves 0/6 Fish 4/15 Birds 0/2	Bivalves — Fish 0.001~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	114/114	38/38	0.0000019~0.000077	(0.0000004)	183/189	62/63	0.000002~0.027	(0.000002)	Bivalves 38/38 Fish 70/70 Birds 8/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000022~0.00048 Fish 0.000006~0.0023 Birds 0.000005~0.00058	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	102/102	34/34	0.00041~0.040	(0.00005)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2003	36/36	36/36	0.000015~0.00010	(0.000007)	185/186	62/62	0.000006~0.0032	(0.000003)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.000035~0.00048	(Bivalves 0.0000097)	W.S. 35/35	W.S. 35/35	W.S. 0.00061~0.038	(W.S. 0.000040)					
			2004	29/38	29/38	0.000020~0.000085	(0.000002)	189/189	63/63	0.000011~0.017	(0.000006)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000020~0.00091	(Bivalves 0.0000061)	W.S. 37/37	W.S. 37/37	W.S. 0.00054~0.022	(W.S. 0.000031)					
			2005	42/47	42/47	0.000001~0.000039	(0.000001)	189/189	63/63	0.000008~0.16	(0.000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000029~0.00044	(Bivalves 0.0000086)	W.S. 37/37	W.S. 37/37	W.S. 0.00067~0.014	(W.S. 0.000034)					
			2006	48/48	48/48	0.0000051~0.000052	(0.000008)	192/192	64/64	0.000008~0.018	(0.000004)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000024~0.00038	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00055~0.020	(W.S. 0.00003)					
			2007	38/48	38/48	0.000008~0.000086	(0.000008)	186/192	63/64	0.000009~0.027	(0.000006)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000020~0.00035	(Bivalves 0.000001)	W.S. 36/36	W.S. 36/36	W.S. 0.00024~0.019	(W.S. 0.00001)					
			2008	44/48	44/48	0.000006~0.00023	(0.000005)	192/192	64/64	0.000007~0.14	(0.000006)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000005~0.00033	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00033~0.018	(W.S. 0.00001)					
			2009	49/49	49/49	0.0000043~0.00010	(0.0000006)	190/192	64/64	0.000006~0.10	(0.000005)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000017~0.0025	(Bivalves 0.000008)	W.S. 37/37	W.S. 37/37	W.S. 0.00033~0.014	(W.S. 0.00008)					
			2010	43/49	43/49	0.0000043~0.00070	(0.000005)	64/64	64/64	0.000014~0.013	(0.000004)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000015~0.00016	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00019~0.026	(W.S. 0.00005)					
	<i>p,p'</i> -DDT	See 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane																						
	DDVP	See Dimethyl 2,2-dichlorovinyl phosphate																						
	Decabromobiphenyl	See Polybromobiphenyls (Decabromobiphenyl)																						
256	<i>cis</i> -Decahydronaphthalene	91-17-8	1984	0/18	0/6	—	(0.02~0.1)	0/18	0/6	—	(0.005~0.022)											256		
257	<i>trans</i> -Decahydronaphthalene	91-17-8	1984	0/18	0/6	—	(0.01~0.07)	4/18	2/6	0.006~0.181	(0.002~0.016)											257		
	Decalin	See Decahydronaphthalene																						
258	1-Decanol	112-30-1	1979	0/27	0/9	—	(5~50)	0/27	0/9	—	(0.3~1)											258		
	DEHP	See Phthalate esters (Bis(2-ethylhexyl) phthalate)																						
	DEPlankton	See Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate																						
	Diallylamine	See <i>N</i> -2-Propenyl-2-propen-1-amine																						
259	1,4-diaminoanthraquinone	128-95-0	1986	0/30	0/10	—	(0.3)	0/30	0/10	—	(0.2)											259		
	4,4'-Diamino-3,3'-dichlorodiphenylmethane	See 3,3'-Dichloro-4,4'-diaminodiphenylmethane																						
260	4,4'-Diamino-diphenyl ether	101-80-4	2008	0/33	0/11	—	(0.0032)															260		
			2010					6/38	2/13	0.0029~0.020	(0.0020)													
261	4,4'-Diaminodiphenylmethane	101-77-9	1985	0/30	0/10	—	(5)	0/24	0/8	—	(1)											261		
			1989	0/69	0/23	—	(0.01~0.1)	1/72	1/24	0.0002	(0.0001~0.034)													
			1995	0/69	0/23	—	(0.57)	14/69	6/23	0.036~0.88	(0.029)													
			1998	0/108	0/36	—	(0.57)	31/97	15/33	0.02~2.1	(0.02)													
			2008	25/84	11/28	0.0011~0.016	(0.0012)																	
			2010												0/57	0/19	—	(16)						
	1,2-Diaminoethane	See Ethylenediamine																						
	1,2-diaminopropane	See Propylenediamine																						
	1,3-diaminopropane	See Trimethylenediamine																						
262	2,4-Diaminotoluene	95-80-7	1978	0/24	0/8	—	(2~5)	0/24	0/8	—	(1.0~2.2)											262		
			1990												0/51	0/17	—	(270)						
			1993	0/102	0/34	—	(0.1)	1/99	1/33	0.0098	(0.005)													
			1996	0/105	0/35	—	(0.04)	4/108	3/36	0.0054~0.0085	(0.005)													
			1999	0/108	0/36	—	(0.1)	1/105	1/35	0.029	(0.003)													
			2005	0/12	0/4	—	(0.0059)	4/18	2/6	0.00078~0.0017	(0.00078)													
			2009	0/72	0/24	—	(0.0062)																	
	2,6-Diaminotoluene	See 2-Methyl- <i>m</i> -phenylenediamine																						
	<i>o</i> -Dianisidine	See 3,3'-Dimethoxybenzidine																						
	Diazinon	See <i>O,O</i> -Diethyl <i>O</i> -(2-isopropyl-6-methyl-4-pyrimidinyl) thiophosphat																						
263	Dibenz[a,h]anthracene	53-70-3	1989	1/75	1/25	0.10	(0.1)	55/60	19/20	0.0081~0.34	(0.006)	Fish 1/63	Fish 1/21	Fish 0.003	(Fish 0.003)	7/39	3/13	0.89~4.6	(0.6)			263		
			1999	0/39	0/13	—	(0.023)	30/33	10/11	0.0011~0.088	(0.0010)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.00078)	12/31	7/11	0.24~1.4	(0.23)					
264	Dibenzofuran	132-64-9	1983	0/45	0/15	—	(0.2~0.4)	0/45	0/15	—	(0.006~0.027)											264		
	2,2'-Dibenzothiazolyl disulfide	See 2,2'-Dithiobis(benzothiazole)																						
265	Dibenzothiophene	132-65-0	1983	0/45	0/15	—	(0.05~0.1)	6/45	2/15	0.001~0.005	(0.001~0.007)											265		
			1998	0/42	0/14	—	(0.02)	28/39	10/13	0.0022~0.14	(0.0021)	Fish 15/39	Fish 5/13	Fish 0.00071~0.013	(Fish 0.00034)									



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number						
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit				
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site		
				1998		4/18	0.016~0.092			11/18	0.0002~0.097																	
				1999						8/18	0.00093~0.076																	
				2000							7/17	0.0012~0.060																
				2001	26/156	10/52	0.060~1.6	(0.050)	36/159	15/53	0.0068~0.077	(0.0064)																
				2005						46/189	23/63	0.00063~0.027	(0.00060)	Bivalves 29/31	Bivalves 7/7	Bivalves 0.0010~0.011	(Bivalves 0.00078)	W.S. 84/111	W.S. 33/37	W.S. 3.0~3,800	(W.S. 2.9)							
2008	9/36	9/36	0.0013~0.0078	(0.0011)	51/164	20/56	0.0018~0.30	(0.0017)	Bivalves 18/31	Bivalves 6/7	Bivalves 0.00053~0.0018	(Bivalves 0.00050)	W.S. 33/34	W.S. 77/86	W.S. 1.6~230	(W.S. 1.5)												
290	2,6-Di- <i>tert</i> -butylphenol	128-39-2	1996	0/33	0/11	—	(0.3)	0/33	0/11	—	(0.071)	Fish 70/80	Fish 15/16	Fish 0.0010~0.016	(Fish 0.00078)									290				
			2001	0/159	0/53	—	(0.17)	12/153	4/51	0.0024~0.014	(0.0019)	Birds 7/10	Birds 2/2	Birds 0.00090~0.0019	(Birds 0.00078)													
	Dibutyl phthalate	See Phthalates (Di- <i>n</i> -butyl phthalate)																										
	Dibutyl sebacate	See Dibutyl decanedioate																										
	Dibutyltin compounds	See Organotin (synonym: Dibutyltin compounds)																										
	Dichlone	See 2,3-Dichloro-1,4-naphthoquinone																										
291	Dichloroacetic acid	79-43-6	1984	0/21	0/7	—	(2)	0/21	0/7	—	(0.01~0.02)													291				
292	2,3-Dichloroaniline	608-27-5	1984	0/18	0/6	—	(0.01~0.1)	0/18	0/6	—	(0.0001~0.012)														292			
293	2,4-Dichloroaniline	554-00-7	1976	7/68	4/20	0.032~0.53	(0.02~0.3)	12/68	7/20	0.0005~0.034	(0.0005~0.001)														293			
			1998	0/39	0/13	—	(0.07)	0/36	0/12	—	(0.008)																	
294	2,5-Dichloroaniline	95-82-9	1984	0/18	0/6	—	(0.05~0.1)	1/18	1/6	0.0006	(0.0006~0.012)														294			
			1998	0/39	0/13	—	(0.07)	1/36	1/12	0.010	(0.005)																	
295	2,6-Dichloroaniline	608-31-1	1984	0/18	0/6	—	(0.1~1)	0/18	0/6	—	(0.0098~0.08)														295			
296	3,4-Dichloroaniline	95-76-1	1976	4/68	2/20	0.24~0.42	(0.04~0.3)	31/68	11/20	0.0045~0.11	(0.0008~0.003)														296			
			1984	0/18	0/6	—	(0.03~0.1)	1/18	1/6	0.0016	(0.0003~0.012)																	
			1998	0/39	0/13	—	(0.09)	4/39	2/13	0.012~0.015	(0.01)																	
297	3,5-Dichloroaniline	626-43-7	1984	0/18	0/6	—	(0.02~0.1)	0/18	0/6	—	(0.0002~0.012)														297			
298	1,3-Dichlorobenzene (synonym: <i>m</i> -Dichlorobenzene)	541-73-1	1975	0/89	0/19	—	(0.1~2)	3/95	1/19	0.01~0.05	(0.01~0.5)	Fish 0/75	Fish 0/15	Fish —	(Fish 0.02~0.5)					Precipitation	0/24	—µg/L	(0.1~2)	298				
			1980										Bivalves 0/15	Bivalves 0/3	Bivalves —	(Bivalves 0.01)												
			1981										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												
			1982										Fish 0/46	Fish 0/9	Fish —	(Fish 0.01~0.02)												
			1983										Birds 0/7	Birds 0/1	Birds —	(Birds 0.01)												
			1984										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												
			1985										Fish 0/50	Fish 0/10	Fish —	(Fish 0.01)												
			1986										Birds 0/9	Birds 0/2	Birds —	(Birds 0.01)												
			1987										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)	24/95	9/12	1~9.8	(1)								
			1988										Fish 5/50	Fish 1/10	Fish 0.01~0.02	(Fish 0.01)												
			1989										Birds 5/10	Birds 1/2	Birds 0.01~0.04	(Birds 0.01)												
			1990										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												
			1991										Fish 5/60	Fish 1/12	Fish 0.02~0.09	(Fish 0.01)												
			1992										Birds 5/10	Birds 1/2	Birds 0.03~0.08	(Birds 0.01)												
			1993										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												
			1994										Fish 5/60	Fish 1/12	Fish 0.02~0.06	(Fish 0.01)												
			1995										Birds 5/10	Birds 1/2	Birds 0.04~0.06	(Birds 0.01)												
			1996										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												
			1997										Fish 0/60	Fish 0/12	Fish —	(Fish 0.01)												
			1998										Birds 2/10	Birds 1/2	Birds 0.01~0.02	(Birds 0.01)												
			1999																									
			2000																									
2001																												
299	<i>o</i> -Dichlorobenzene	95-50-1	1975	0/95	0/19	—	(0.3~3)	0/95	0/19	—	(0.02~0.5)	Fish 0/75	Fish 0/15	Fish —	(Fish 0.05~0.5)					Precipitation	0/24	—µg/L	(0.3~3)	299				
			1980										Bivalves 0/15	Bivalves 0/3	Bivalves —	(Bivalves 0.01)												
			1981										Fish 0/50	Fish 0/10	Fish —	(Fish 0.01)												
			1982										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.01)												

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Sample	Site		Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site								
			1983									Bivalves 0/20 Fish 5/50 Birds 8/10	Bivalves 0/4 Fish 1/10 Birds 2/2	Bivalves -- Fish 0.03~0.04 Birds 0.01~0.04	(Bivalves 0.01) (Fish 0.01~0.02) (Birds 0.01)	93/97	12/12	1~50	(1)						
			1984									Bivalves 0/20 Fish 5/60 Birds 6/10	Bivalves 0/4 Fish 1/12 Birds 2/2	Bivalves -- Fish 0.02~0.07 Birds 0.01~0.07	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1985									Bivalves 0/20 Fish 5/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 2/2	Bivalves -- Fish 0.02~0.06 Birds 0.04~0.06	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1986		3/18	0.02~0.62			8/18	0.0008~0.0053		Bivalves 0/20 Fish 1/60 Birds 3/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.01 Birds 0.01~0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1987		5/20	0.0022~0.41			15/20	0.00010~0.057															
			1988		3/22	0.0043~0.23			10/22	0.00028~0.013		Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1989		6/17	0.009~0.16			12/17	0.00022~0.020															
			1990		5/18	0.012~0.045			7/18	0.00035~0.0458		Bivalves 0/25 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1991		4/18	0.0049~0.034			14/18	0.00063~0.056															
			1992		7/18	0.0019~0.29			14/18	0.00034~0.048		Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1993		6/19	0.004~0.087			17/19	0.00020~0.081															
			1994		3/17	0.010~0.21			15/17	0.00038~0.046		Bivalves 0/30 Fish 0/70 Birds 0/5	Bivalves 0/6 Fish 0/14 Birds 0/1	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1995		5/18	0.005~0.029			15/18	0.00040~0.060															
			1996		7/18	0.0032~0.085			15/18	0.00029~0.039		Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1997		6/18	0.0024~0.034			14/18	0.00027~0.042															
			1998		2/18	0.0076~0.013			14/18	0.00050~0.045															
			1999						14/18	0.00026~0.032		Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)	20/30	7/10	34~420	(29)						
			2000						9/17	0.00042~0.023															
			2001						11/20	0.00033~0.072															
			2002	26/114	10/38	0.0005~0.2	(0.0004)	172/186	59/62	0.00002~0.038	(0.00002)						38/84	19/28	21~2,200	(15)					
			2005	0/24	0/8	--	(0.007)																		
300	<i>m</i> -Dichlorobenzene <i>p</i> -Dichlorobenzene	See 1,3-Dichlorobenzene 106-46-7	1975	2/95	2/19	0.5~1.0	(0.3~3)	1/95	1/19	0.03	(0.02~0.5)	Fish 0/75	Fish 0/15	Fish --	(Fish 0.05~0.5)						Precipitation 0/24	0/12	--µg/L	(0.3~3)	300
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves -- Fish --	(Bivalves 0.01) (Fish 0.01)										
			1981									Bivalves 0/20 Fish 0/46 Birds 2/7	Bivalves 0/4 Fish 0/9 Birds 1/1	Bivalves -- Fish -- Birds 0.01	(Bivalves 0.01) (Fish 0.01~0.02) (Birds 0.01)										
			1982									Bivalves 2/20 Fish 0/50 Birds 0/9	Bivalves 1/4 Fish 0/10 Birds 0/2	Bivalves 0.01 Fish -- Birds --	(Bivalves 0.01) (Fish 0.01~0.02) (Birds 0.01)										
			1983									Bivalves 4/20 Fish 5/50 Birds 0/10	Bivalves 1/4 Fish 1/10 Birds 0/2	Bivalves 0.01~0.02 Fish 0.01 Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)	95/95	12/12	2.1~880	(1)						
			1984									Bivalves 0/20 Fish 1/60 Birds 2/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.01 Birds 0.01	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1985									Bivalves 0/20 Fish 2/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.02 Birds 0.02~0.03	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1986		7/18	0.03~0.46			12/18	0.0012~0.0267		Bivalves 0/20 Fish 5/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.01~0.05 Birds 0.02~0.03	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1987		10/20	0.012~0.51			15/20	0.00030~0.055															
			1988		8/22	0.062~1.83			15/22	0.00058~0.032		Bivalves 0/20 Fish 0/65 Birds 1/10	Bivalves 0/4 Fish 0/13 Birds 1/2	Bivalves -- Fish -- Birds 0.01	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1989		6/16	0.023~2.5			13/16	0.0023~0.088															
			1990		8/18	0.009~1.15			10/18	0.00113~0.0728		Bivalves 0/25 Fish 10/65 Birds 5/10	Bivalves 0/5 Fish 2/13 Birds 1/2	Bivalves -- Fish 0.01~0.21 Birds 0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1991		12/18	0.0035~0.18			16/18	0.0019~0.15															
			1992		13/18	0.005~0.42			16/18	0.00038~0.13		Bivalves 0/30 Fish 6/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves -- Fish 0.01~0.06 Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1993		13/19	0.0076~1.0			18/19	0.00035~0.15															
			1994		9/17	0.027~0.28			16/17	0.00067~0.075		Bivalves 0/30 Fish 5/70 Birds 0/5	Bivalves 0/6 Fish 1/14 Birds 0/1	Bivalves -- Fish 0.10~0.19 Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1995		9/18	0.0051~0.44			17/18	0.00098~0.12															
			1996		12/18	0.0067~0.1752			16/18	0.0010~0.209		Bivalves 0/30 Fish 2/70 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves -- Fish 0.01 Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1997		12/18	0.0071~0.242			17/18	0.00083~0.074															
			1998		11/18	0.0090~0.094			17/18	0.0011~0.073															
			1999						15/18	0.0012~0.13		Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)	36/43	14/15	160~17,000	(130)						
			2000						14/17	0.0025~0.036															

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
301	3,3'-Dichlorobenzidine	91-94-1	2001					16/20		0.00031~0.18													301	
			2005	7/24	3/8	0.011~0.055	(0.010)																	
			1979	0/21	0/7	—	(0.01~7)	0/21	0/7	—	(0.0003~0.9)													
			1989	2/78	1/26	0.00004~0.00018	(0.00002~0.1)	2/78	2/26	0.003~0.014	(0.00006~0.02)													
			1995	0/69	0/23	—	(0.42)	0/69	0/23	—	(0.054)													
			1999	0/108	0/36	—	(0.17)	3/108	1/36	0.12~0.17	(0.031)													
302	2,6-Dichlorobenzonitrile (synonym: Dichlobenil or DBN)	1194-65-6	2006											21/21	7/7	0.10~0.76	(0.04)					302		
303	1,1-Dichloro-2,2-bis(4-chlorophenyl) ethane (synonym: p,p'-DDD)	72-54-8	1974	0/55	0/11	—	(0.0007~0.1)	20/50	4/10	0.0010~0.0150	(0.01)	Fish 25/49	Fish 6/10	Fish 0.0008~0.015	(Fish 0.0008~0.005)								303	
			1978										Bivalves 10/10 Fish 20/30 Birds 7/7	Bivalves 2/2 Fish 4/6 Birds 1/1	Bivalves 0.001~0.006 Fish 0.002~0.019 Birds 0.002~0.005	(Fish 0.001)								
			1979										Bivalves 15/15 Fish 39/40 Birds 0/6	Bivalves 3/3 Fish 8/8 Birds 0/1	Bivalves 0.001~0.002 Fish 0.001~0.040 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1980										Bivalves 5/15 Fish 36/50 Birds 8/8	Bivalves 1/3 Fish 8/10 Birds 1/1	Bivalves 0.001~0.002 Fish 0.001~0.080 Birds 0.002~0.007	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1981										Bivalves 9/20 Fish 33/46 Birds 6/7	Bivalves 2/4 Fish 7/9 Birds 1/1	Bivalves 0.001~0.004 Fish 0.001~0.085 Birds 0.001~0.024	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1982										Bivalves 11/20 Fish 38/50 Birds 7/9	Bivalves 3/4 Fish 8/10 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.076 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001~0.007) (Birds 0.001)								
			1983										Bivalves 13/20 Fish 40/50 Birds 10/10	Bivalves 3/4 Fish 9/10 Birds 2/2	Bivalves 0.001~0.004 Fish 0.001~0.032 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1984										Bivalves 13/20 Fish 35/60 Birds 5/10	Bivalves 3/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.042 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1985										Bivalves 5/20 Fish 35/60 Birds 10/10	Bivalves 1/4 Fish 8/12 Birds 2/2	Bivalves 0.002 Fish 0.001~0.018 Birds 0.001~0.099	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1986		0/18	—				7/18	0.0002~0.0130			Bivalves 10/20 Fish 42/60 Birds 7/10	Bivalves 2/4 Fish 9/12 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.019 Birds 0.001~0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1987		0/20	—				7/20	0.00018~0.0067			Bivalves 5/20 Fish 43/65 Birds 6/10	Bivalves 1/4 Fish 10/13 Birds 2/2	Bivalves 0.001 Fish 0.001~0.020 Birds 0.002~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1988		0/22	—				6/22	0.00028~0.030			Bivalves 7/20 Fish 36/65 Birds 6/10	Bivalves 2/4 Fish 8/13 Birds 2/2	Bivalves 0.001 Fish 0.001~0.038 Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1989		0/17	—				4/17	0.0044~0.040			Bivalves 6/21 Fish 41/65 Birds 5/10	Bivalves 2/5 Fish 9/13 Birds 1/2	Bivalves 0.001 Fish 0.001~0.024 Birds 0.002~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1990		0/18	—				7/18	0.00020~0.0337			Bivalves 12/25 Fish 35/65 Birds 5/10	Bivalves 3/5 Fish 9/13 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.022 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1991		0/18	—				8/18	0.00020~0.018			Bivalves 17/30 Fish 34/65 Birds 5/10	Bivalves 4/6 Fish 9/13 Birds 1/2	Bivalves 0.001~0.003 Fish 0.001~0.014 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1992		0/18	—				9/18	0.00015~0.012			Bivalves 6/30 Fish 32/70 Birds 6/10	Bivalves 2/6 Fish 8/14 Birds 2/2	Bivalves 0.001 Fish 0.001~0.024 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1993		0/19	—				10/19	0.000095~0.0070			Bivalves 5/30 Fish 31/70 Birds 5/10	Bivalves 1/6 Fish 7/14 Birds 1/2	Bivalves 0.001 Fish 0.001~0.016 Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1994		0/17	—				10/17	0.00016~0.013			Bivalves 10/30 Fish 31/70 Birds 4/5	Bivalves 2/6 Fish 7/14 Birds 1/1	Bivalves 0.001~0.002 Fish 0.001~0.009 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1995		0/18	—				10/18	0.00012~0.018			Bivalves 5/30 Fish 31/70 Birds 4/10	Bivalves 1/6 Fish 7/14 Birds 1/2	Bivalves 0.008~0.009 Fish 0.001~0.014 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1996		0/18	—				7/18	0.000128~0.0075			Bivalves 10/30 Fish 35/70 Birds 3/10	Bivalves 2/6 Fish 9/14 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.027 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1997		0/18	—				6/18	0.00020~0.009			Bivalves 10/30 Fish 35/70 Birds 1/10	Bivalves 2/6 Fish 8/14 Birds 1/2	Bivalves 0.001~0.005 Fish 0.001~0.009 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1998		0/18	—				7/18	0.00022~0.0055			Bivalves 10/30 Fish 29/70 Birds 0/10	Bivalves 2/6 Fish 8/14 Birds 0/2	Bivalves 0.001~0.003 Fish 0.001~0.009 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1999							7/18	0.00013~0.0076			Bivalves 5/30 Fish 26/70 Birds 1/10	Bivalves 1/6 Fish 6/14 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.009 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
2000							7/17	0.00015~0.015			Bivalves 3/30 Fish 32/69 Birds 5/10	Bivalves 1/6 Fish 7/14 Birds 1/2	Bivalves 0.001 Fish 0.001~0.010 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
2001							7/20	0.00032~0.0072			Bivalves 15/30 Fish 29/72 Birds 5/10	Bivalves 3/6 Fish 6/15 Birds 1/2	Bivalves 0.001~0.003 Fish 0.001~0.007 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
2002		114/114	38/38	0.00000057~0.00019	(0.00000008)	189/189	63/63	0.0000022~0.051	(0.0000008)	Bivalves 38/38	Bivalves 8/8	Bivalves 0.000011~0.0032	(Bivalves 0.0000018)	101/102	34/34	0.000024~0.00076	(0.000006)							

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2003	36/36	36/36	0.000004~0.00041	(0.0000005)	186/186	62/62	0.0000037~0.032	(0.0000003)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.0000075~0.0026	(Bivalves 0.0000033)	W.S. 35/35	W.S. 35/35	W.S. 0.000063~0.0014	(W.S. 0.000018)					
			2004	38/38	38/38	0.0000024~0.00074	(0.0000008)	189/189	63/63	0.000004~0.075	(0.0000007)	Fish 70/70 Birds 10/10	Fish 14/14 Birds 2/2	Fish 0.000043~0.0037 Birds 0.00011~0.0039	(Fish 0.0000033) (Birds 0.0000033)	C.S. 34/34	C.S. 34/34	C.S. 0.000037~0.00052	(C.S. 0.000018)					
			2005	47/47	47/47	0.0000018~0.00013	(0.00000064)	189/189	63/63	0.0000052~0.21	(0.00000064)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000078~0.0089	(Bivalves 0.0000070)	W.S. 37/37	W.S. 37/37	W.S. 0.000036~0.0014	(W.S. 0.000018)					
			2006	48/48	48/48	0.0000020~0.00099	(0.0000005)	192/192	64/64	0.0000022~0.053	(0.0000002)	Fish 70/70 Birds 10/10	Fish 14/14 Birds 2/2	Fish 0.000056~0.0097 Birds 0.000052~0.0014	(Fish 0.0000070) (Birds 0.0000070)	C.S. 37/37	C.S. 37/37	C.S. 0.000025~0.00091	(C.S. 0.000018)					
			2007	48/48	48/48	0.0000015~0.00015	(0.0000006)	192/192	64/64	0.0000035~0.08	(0.0000004)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000073~0.0015	(Bivalves 0.00000097)	W.S. 37/37	W.S. 37/37	W.S. 0.00007~0.0013	(W.S. 0.00005)					
			2008	48/48	48/48	0.0000020~0.00085	(0.0000002)	192/192	64/64	0.0000028~0.30	(0.0000004)	Fish 80/80 Birds 10/10	Fish 16/16 Birds 2/2	Fish 0.000029~0.0067 Birds 0.000045~0.0014	(Fish 0.0000097) (Birds 0.0000097)	C.S. 28/37	C.S. 28/37	C.S. 0.00005~0.00029	(C.S. 0.00005)					
			2009	49/49	49/49	0.0000014~0.00014	(0.0000002)	192/192	64/64	0.0000039~0.30	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000073~0.0014	(Bivalves 0.0000009)	W.S. 36/37	W.S. 36/37	W.S. 0.00005~0.0013	(W.S. 0.00004)					
			2010	49/49	49/49	0.0000016~0.00097	(0.0000008)	64/64	64/64	0.0000044~0.078	(0.0000005)	Fish 80/80 Birds 10/10	Fish 16/16 Birds 2/2	Fish 0.000060~0.0043 Birds 0.000055~0.0018	(Fish 0.0000009) (Birds 0.0000009)	C.S. 36/37	C.S. 36/37	C.S. 0.00004~0.00099	(C.S. 0.00004)					
304	Dichlorobromomethane	75-27-4	1980													9/81	3/16	0.1~1.9	(0.1~50)			304		
			1981	1/15	1/5	0.01	(0.01)	0/15	0/5	—	(0.00006)													
			1983													83/93	11/11	0.05~13	(0.04~0.5)					
			2006	7/15	3/5	0.0040~0.012	(0.004)	0/15	0/5	—	(0.0006)													
305	3,4-Dichloro-1-butene	760-23-6	1997	0/36	0/12	—	(0.011)	0/36	0/12	—	(0.014)					0/57	0/19	—	(60)			305		
			1998													1/36	1/12	80	(60)					
306	3,3'-Dichloro-4,4'-diaminodiphenyl methane	101-14-4	1979	0/39	0/13	—	(0.02~20)	0/39	0/13	—	(0.001~3.0)											306		
			1985	0/30	0/10	—	(5)	0/24	0/8	—	(0.4)													
			1989	0/78	0/26	—	(0.0003~0.1)	0/78	0/26	—	(0.001~0.013)													
			1995	0/69	0/23	—	(0.41)	2/69	1/23	0.054~0.11	(0.054)													
			1999	0/108	0/36	—	(0.17)	0/108	0/36	—	(0.031)													
			2005	0/18	0/6	—	(0.030)	7/21	3/7	0.008~0.037	(0.007)													
	2,2-Dichloro-1,2-dibromoethyl dimethyl phosphate	See 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate																						
	2,2'-Dichlorodiethyl Ether	See Bis(2-chloroethyl) ether																						
307	Dichlorodifluoromethane (synonym: CFC-12)	75-71-8	1976													45/115	13/27	310~3,300	(250~1,000)			307		
			1977													38/97	26/45	43~1,200	(19~2,000)					
308	1-(3,5-Dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea (synonym: Teflubenzuron)	83121-18-0	2006	0/18	0/6	—	(0.011)									0/15	0/5	—	(0.20)			308		
309	1,1-Dichloroethane	75-34-3	1977	0/3	0/1	—	(0.05)	0/3	0/1	—	(0.0003)											309		
			1979													0/36	0/13	—	(200~10,000)					
			1987	11/66	4/22	0.005~0.030	(0.005)	4/60	2/20	0.00011~0.00027	(0.00011)					6/73	4/12	17~90	(10)					
			1988	36/129	14/43	0.005~0.08	(0.005)	4/117	2/39	0.00014~0.00048	(0.0001)													
			1999	31/156	12/52	0.0030~0.072	(0.003)	9/138	3/46	0.0087~0.028	(0.0023)					5/21	2/7	11~24	(10)					
310	1,2-Dichloroethane	107-06-2	1976	0/60	0/13	—	(40~200)	0/40	0/11	—	(1.0~3.4)	Fish 0/10	Fish 0/2	Fish —	(Fish 8.7)							310		
			1979													6/45	2/16	60~10,000	(3~10,000)					
			1980													18/81	3/15	13~870	(13~7,000)					
			1987	30/78	10/26	0.03~2.5	(0.02)	6/63	3/21	0.00052~0.00065	(0.0005)					60/73	11/12	10~6,600	(10)					
			1988	66/141	25/47	0.02~3.4	(0.02)	5/126	3/42	0.00062~0.0028	(0.0005)					39/68	8/12	45~2,200	(40)					
			1989	50/78	17/26	0.002~0.87	(0.001~0.04)	38/78	15/26	0.00003~0.0029	(0.00001~0.0005)					22/37	9/13	29~1,500	(3.3~130)					
			1990	48/90	18/30	0.012~0.81	(0.01)	1/96	1/32	0.0027	(0.0005)					48/58	16/19	11~3,600	(10)					
			1991	54/96	18/32	0.01~2.2	(0.01)	1/99	1/33	0.0005	(0.0005)					52/60	18/20	12~860	(10)					
			1992	39/102	14/34	0.013~3.4	(0.01)	11/99	5/33	0.0004~0.0007	(0.0004)					55/62	19/21	5.9~3,800	(4)					
			1993													69/80	23/26	4~2,700	(4)					
			1994													73/80	25/26	7.6~1,100	(4.6)	Outdoor air 24/24 Indoor air 71/71 Food 0/81	Outdoor air 8/8 Indoor air 8/8 Food 0/9	Outdoor air 14~410ng/m <sup>3</sup> Indoor air 6~1,200ng/m <sup>3</sup>	(Outdoor air 10) (Indoor air 6) (Food 1.5)	
			1995													66/79	22/26	15~1,800	(4)	Outdoor air 24/24 Indoor air 70/70 Food 0/81	Outdoor air 8/8 Indoor air 8/8 Food 0/9	Outdoor air 15~1,800ng/m <sup>3</sup> Indoor air 8.1~1,700ng/m <sup>3</sup> Food = ng/g wet	(Outdoor air 0.1) (Indoor air 0.1) (Food 2.5)	
			1996													77/89	26/29	5~2,300	(5)	Outdoor air 22/25 Indoor air 73/78 Food 2/81	Outdoor air 7/8 Indoor air 9/9 Food 1/9	Outdoor air 5~390ng/m <sup>3</sup> Indoor air 4.5~370ng/m <sup>3</sup> Food 5.4~6.3ng/g wet	(Outdoor air 5) (Indoor air 2.9) (Food 1)	















Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1994					34/36	34/36	0.00001~0.0020	(0.00001)	Bivalves 1/1 Fish 21/34	Bivalves 1/1 Fish 21/34	Bivalves 0.00006 Fish 0.00001~0.00022	(Bivalves 0.00001) (Fish 0.00001)									
			1995					35/36	35/36	0.00001~0.0022	(0.00001)	Bivalves 1/1 Fish 19/34	Bivalves 1/1 Fish 19/34	Bivalves 0.000029 Fish 0.00001~0.000062	(Bivalves 0.00001) (Fish 0.00001)									
			1996					36/36	36/36	0.000004~0.0030	(0.000001)	Fish 32/35	Fish 32/35	Fish 0.000001~0.000065	(Fish 0.000000)									
			1997					40/40	40/40	0.000002~0.0021	(0.000001)	Fish 32/39	Fish 32/39	Fish 0.000001~0.000046	(Fish 0.000001)									
434-1-4-2	1,3,7,9-Tetrachlorodibenzo-p-dioxin		1985					26/51	26/51	0.00001~0.00032	(0.00001)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00001)									434-1-4-2
			1986	0/18	0/18	—	(0.00001)	36/39	36/39	0.000002~0.0012	(0.000001)	Fish 1/32	Fish 1/32	Fish 0.000003	(Fish 0.000001)									
			1988					29/30	29/30	0.000002~0.00018	(0.000001)	Bivalves 1/2 Fish 0/30	Bivalves 1/2 Fish 0/30	Bivalves 0.000002 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1989					31/33	31/33	0.000007~0.00054	(0.000001)	Bivalves 3/3 Fish 1/32	Bivalves 3/3 Fish 1/32	Bivalves 0.000001~0.000010 Fish 0.000018	(Bivalves 0.000001) (Fish 0.000001)									
			1990					31/33	31/33	0.000007~0.0013	(0.000001)	Bivalves 3/3 Fish 0/32	Bivalves 3/3 Fish 0/32	Bivalves 0.000002~0.000011 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1991					32/35	32/35	0.000002~0.0015	(0.000001)	Bivalves 3/3 Fish 1/34	Bivalves 3/3 Fish 1/34	Bivalves 0.000003~0.000008 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1992					33/36	33/36	0.000002~0.00078	(0.000001)	Bivalves 3/3 Fish 0/34	Bivalves 3/3 Fish 0/34	Bivalves 0.000003~0.000025 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1993					33/36	33/36	0.000004~0.00055	(0.000001)	Bivalves 3/3 Fish 0/34	Bivalves 3/3 Fish 0/34	Bivalves 0.000002~0.000007 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1994					33/36	33/36	0.000004~0.00068	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000001 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1995					34/36	34/36	0.000004~0.00064	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000006 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					36/36	36/36	0.000001~0.00072	(0.000001)	Fish 9/35	Fish 9/35	Fish 0.000001~0.000019	(Fish 0.000001)									
			1997					39/40	39/40	0.000004~0.00056	(0.000001)	Fish 7/39	Fish 7/39	Fish 0.000001~0.000031	(Fish 0.000001)									
			434-1-4-3	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1985					0/51	0/51	—	(0.00001)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00001)						
1986	0/18	0/18				—	(0.00001)	0/39	0/39	—	(0.00001)	Fish 2/32	Fish 2/32	Fish 0.000001	(Fish 0.000001)									
1987								2/37	2/37	0.000001	(0.000001)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000001)									
1988								0/30	0/30	—	(0.000001)	Bivalves 0/2 Fish 0/30	Bivalves 0/2 Fish 0/30	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
1989								3/33	3/33	0.000002~0.000004	(0.000001)	Bivalves 0/3 Fish 2/32	Bivalves 0/3 Fish 2/32	Bivalves — Fish 0.000001~0.000003	(Bivalves 0.000001) (Fish 0.000001)									
1990								7/33	7/33	0.000001~0.000008	(0.000001)	Bivalves 0/3 Fish 5/32	Bivalves 0/3 Fish 5/32	Bivalves — Fish 0.000001~0.000005	(Bivalves 0.000001) (Fish 0.000001)									
1991								6/35	6/35	0.000001~0.000006	(0.000001)	Bivalves 0/3 Fish 3/34	Bivalves 0/3 Fish 3/34	Bivalves — Fish 0.000003~0.000005	(Bivalves 0.000001) (Fish 0.000001)									
1992								4/36	4/36	0.000002~0.000003	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
1993								2/36	2/36	0.000001~0.000003	(0.000001)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves — Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
1994								3/36	3/36	0.000001~0.000002	(0.000001)	Bivalves 0/1 Fish 1/34	Bivalves 0/1 Fish 1/34	Bivalves — Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
1995								2/36	2/36	0.000002~0.000010	(0.000001)	Bivalves 0/1 Fish 2/34	Bivalves 0/1 Fish 2/34	Bivalves — Fish 0.000001~0.000002	(Bivalves 0.000001) (Fish 0.000001)									
1996								16/36	16/36	0.000001~0.0000041	(0.000001)	Fish 25/35	Fish 25/35	Fish 0.000001~0.000005	(Fish 0.000001)									
1997								22/40	22/40	0.000001~0.0000037	(0.000001)	Fish 23/39	Fish 23/39	Fish 0.000001~0.000018	(Fish 0.000001)									
434-1-5	Pentachlorodibenzo-p-dioxins (Other than 1,2,3,4,7-isomer and 1,2,3,7,8-isomer) (Other than 1,2,3,7,8-isomer)		1985					8/51	8/51	0.00006~0.00077	(0.00005)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00005)								434-1-5	
			1986	0/18	0/18	—	(0.00001)	38/39	38/39	0.000001~0.0016	(0.000001)	Fish 1/32	Fish 1/32	Fish 0.000002	(Fish 0.000001)									
			1988					29/30	29/30	0.000004~0.00023	(0.000001)	Bivalves 2/2 Fish 3/30	Bivalves 2/2 Fish 3/30	Bivalves 0.000001~0.000026 Fish 0.000015~0.000018	(Bivalves 0.000001) (Fish 0.000001)									
			1989					31/33	31/33	0.000006~0.0011	(0.000001)	Bivalves 3/3 Fish 2/32	Bivalves 3/3 Fish 2/32	Bivalves 0.000004~0.000014 Fish 0.000002~0.000011	(Bivalves 0.000001) (Fish 0.000001)									
			1990					31/33	31/33	0.000005~0.0013	(0.000001)	Bivalves 3/3 Fish 1/32	Bivalves 3/3 Fish 1/32	Bivalves 0.000003~0.000007 Fish 0.000004	(Bivalves 0.000001) (Fish 0.000001)									
			1991					32/35	32/35	0.000007~0.0014	(0.000001)	Bivalves 1/3 Fish 0/34	Bivalves 1/3 Fish 0/34	Bivalves 0.000004 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1992					34/36	34/36	0.000002~0.00074	(0.000001)	Bivalves 3/3 Fish 4/34	Bivalves 3/3 Fish 4/34	Bivalves 0.000004~0.000010 Fish 0.000001~0.000006	(Bivalves 0.000001) (Fish 0.000001)									
			1993					33/36	33/36	0.000006~0.00043	(0.000001)	Bivalves 3/3 Fish 6/34	Bivalves 3/3 Fish 6/34	Bivalves 0.000001~0.000004 Fish 0.000002~0.000007	(Bivalves 0.000001) (Fish 0.000001)									







Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1994					31/36	31/36	0.000007~0.0015	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Fish -- Fish --	(Bivalves 0.000005) (Fish 0.000005)									
			1995					33/36	33/36	0.000005~0.0016	(0.000005)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000005 Fish --	(Bivalves 0.000005) (Fish 0.000005)									
			1996					36/36	36/36	0.0000004~0.0019	(0.0000002)	Fish 22/35	Fish 22/35	Fish 0.0000002~0.0000006	(Fish 0.0000002)									
			1997					39/40	39/40	0.0000008~0.0019	(0.0000002)	Fish 7/39	Fish 7/39	Fish 0.0000002~0.0000006	(Fish 0.0000002)									
434-1-8	Octachlorodibenzo-p-dioxin	3268-87-9	1985					37/51	37/51	0.0001~0.0076	(0.0001)	Fish 0/51	Fish 0/51	Fish --	(Fish 0.0001)									
			1986	4/18	4/18	0.00007~0.00012	(0.00005)	38/39	38/39	0.000019~0.061	(0.000005)	Fish 7/32	Fish 7/32	Fish 0.000006~0.00010	(Fish 0.000005)									
			1987					37/37	37/37	0.000008~0.0028	(0.000005)	Fish 0/37	Fish 0/37	Fish --	(Fish 0.000005)									
			1988					29/30	29/30	0.000011~0.0025	(0.000005)	Bivalves 2/2	Bivalves 2/2	Bivalves 0.000009~0.000011	(Bivalves 0.000005)									
			1989					31/33	31/33	0.000014~0.015	(0.000005)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000008~0.000021	(Bivalves 0.000005)									
			1990					30/33	30/33	0.000010~0.011	(0.000005)	Bivalves 1/3 Fish 0/32	Bivalves 1/3 Fish 0/32	Bivalves 0.000010 Fish --	(Bivalves 0.000005) (Fish 0.000005)									
			1991					33/35	33/35	0.000008~0.011	(0.000005)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000006~0.000027	(Bivalves 0.000005)									
			1992					34/36	34/36	0.000019~0.014	(0.000005)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000006~0.000018	(Bivalves 0.000005)									
			1993					34/36	34/36	0.000010~0.012	(0.000005)	Bivalves 2/3	Bivalves 2/3	Bivalves 0.000006~0.000007	(Bivalves 0.000005)									
			1994					35/36	35/36	0.000006~0.013	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves -- Fish --	(Bivalves 0.000005) (Fish 0.000005)									
			1995					35/36	35/36	0.000019~0.017	(0.000005)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000025 Fish --	(Bivalves 0.000005) (Fish 0.000005)									
			1996					36/36	36/36	0.0000043~0.020	(0.0000005)	Fish 22/35	Fish 22/35	Fish 0.0000005~0.0000050	(Fish 0.0000005)									
			1997					40/40	40/40	0.000002~0.019	(0.0000005)	Fish 13/39	Fish 13/39	Fish 0.0000005~0.000002	(Fish 0.0000005)									
434-2	Polychlorinateddibenzofurans																					434-2		
434-2-4	Tetrachlorodibenzofurans (Other than 1,3,6,8-isomer and 2,3,7,8-isomer)																					434-2-4		
			1987					35/37	35/37	0.000001~0.00056	(0.000001)	Fish 16/37	Fish 16/37	Fish 0.000001~0.000031	(Fish 0.000001)									
			1988					28/30	28/30	0.000002~0.00019	(0.000001)	Bivalves 2/2	Bivalves 2/2	Bivalves 0.000020~0.000030	(Bivalves 0.000001)									
			1989					31/33	31/33	0.000001~0.000240	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000005~0.000037	(Bivalves 0.000001)									
			1990					31/33	31/33	0.000001~0.00055	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000014~0.000018	(Bivalves 0.000001)									
			1991					32/35	32/35	0.000004~0.00079	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000014~0.000034	(Bivalves 0.000001)									
			1992					33/36	33/36	0.000001~0.00081	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000006~0.000044	(Bivalves 0.000001)									
			1993					32/36	32/36	0.000001~0.00020	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000004~0.000029	(Bivalves 0.000001)									
			1994					30/36	30/36	0.000001~0.000087	(0.000001)	Bivalves 1/1 Fish 5/34	Bivalves 1/1 Fish 5/34	Bivalves 0.000003 Fish 0.000001~0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1995					33/36	33/36	0.000002~0.00045	(0.000001)	Bivalves 1/1 Fish 2/34	Bivalves 1/1 Fish 2/34	Bivalves 0.000015 Fish 0.000002~0.000003	(Bivalves 0.000001) (Fish 0.000001)									
			1996					35/36	35/36	0.0000003~0.00027	(0.0000001)	Fish 21/35	Fish 21/35	Fish 0.0000001~0.0000019	(Fish 0.0000001)									
1997					39/40	39/40	0.0000012~0.00026	(0.0000001)	Fish 24/39	Fish 24/39	Fish 0.0000001~0.0000077	(Fish 0.0000001)												
434-2-4-1	1,3,6,8-Tetrachlorodibenzofuran		1987					3/37	3/37	0.000001~0.00017	(0.000001)	Fish 0/37	Fish 0/37	Fish --	(Fish 0.000001)									
			1988					9/30	9/30	0.000001~0.00023	(0.000001)	Bivalves 2/2	Bivalves 2/2	Bivalves 0.000001~0.000002	(Bivalves 0.000001)									
			1989					15/33	15/33	0.000001~0.000010	(0.000001)	Bivalves 1/3 Fish 1/32	Bivalves 1/3 Fish 1/32	Bivalves 0.000003 Fish 0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1990					19/33	19/33	0.000001~0.000042	(0.000001)	Bivalves 3/3	Bivalves 3/3	Bivalves 0.000001~0.000002	(Bivalves 0.000001)									
			1991					13/35	13/35	0.000001~0.000008	(0.000001)	Bivalves 2/3 Fish 8/34	Bivalves 2/3 Fish 8/34	Bivalves 0.000001~0.000006	(Bivalves 0.000001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1992					17/36	17/36	0.00001~0.00017	(0.00001)	Bivalves 2/3 Fish 0/34	Bivalves 2/3 Fish 0/34	Bivalves 0.00002~0.00006 Fish —	(Bivalves 0.00001) (Fish 0.00001)									
			1993					13/36	13/36	0.00001~0.00013	(0.00001)	Bivalves 1/3 Fish 0/34	Bivalves 1/3 Fish 0/34	Bivalves 0.00003 Fish —	(Bivalves 0.00001) (Fish 0.00001)									
			1994					9/36	9/36	0.00001~0.00009	(0.00001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.00001) (Fish 0.00001)									
			1995					20/36	20/36	0.00001~0.00017	(0.00001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.00001) (Fish 0.00001)									
			1996					29/36	29/36	0.000002~0.00018	(0.000001)	Fish 10/35	Fish 10/35	Fish 0.000001~0.000003	(Fish 0.000001)									
			1997					35/40	35/40	0.000001~0.00035	(0.000001)	Fish 9/39	Fish 9/39	Fish 0.000001~0.000009	(Fish 0.000001)									
434-2-4-2	2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	1985					5/51	5/51	0.00001~0.00005	(0.00001)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00001)								434-2-4-2	
			1986	0/18	0/18	—	(0.00001)	13/39	13/39	0.000001~0.00018	(0.00001)	Fish 11/32	Fish 11/32	Fish 0.000001~0.00005	(Fish 0.00001)									
			1987					18/37	18/37	0.00001~0.00006	(0.00001)	Fish 7/37	Fish 7/37	Fish 0.000001~0.00004	(Fish 0.00001)									
			1988					10/30	10/30	0.00001~0.00009	(0.00001)	Bivalves 2/2 Fish 19/30	Bivalves 2/2 Fish 19/30	Bivalves 0.00002 Fish 0.00001~0.00008	(Bivalves 0.00001) (Fish 0.00001)									
			1989					20/33	20/33	0.00001~0.00016	(0.00001)	Bivalves 2/3 Fish 9/32	Bivalves 2/3 Fish 9/32	Bivalves 0.00001~0.00002 Fish 0.00001~0.00008	(Bivalves 0.00001) (Fish 0.00001)									
			1990					21/33	21/33	0.00001~0.00020	(0.00001)	Bivalves 1/3 Fish 23/32	Bivalves 1/3 Fish 23/32	Bivalves 0.00001 Fish 0.00001~0.00020	(Bivalves 0.00001) (Fish 0.00001)									
			1991					22/35	22/35	0.00001~0.00015	(0.00001)	Bivalves 1/3 Fish 8/34	Bivalves 1/3 Fish 8/34	Bivalves 0.00001 Fish 0.00001~0.00008	(Bivalves 0.00001) (Fish 0.00001)									
			1992					22/36	22/36	0.00001~0.00035	(0.00001)	Bivalves 1/3 Fish 10/34	Bivalves 1/3 Fish 10/34	Bivalves 0.00001 Fish 0.00001~0.00002	(Bivalves 0.00001) (Fish 0.00001)									
			1993					20/36	20/36	0.00001~0.00015	(0.00001)	Bivalves 1/3 Fish 11/34	Bivalves 1/3 Fish 11/34	Bivalves 0.00001 Fish 0.00001~0.00003	(Bivalves 0.00001) (Fish 0.00001)									
			1994					15/36	15/36	0.00001~0.00017	(0.00001)	Bivalves 0/1 Fish 11/34	Bivalves 0/1 Fish 11/34	Bivalves — Fish 0.00001~0.00004	(Bivalves 0.00001) (Fish 0.00001)									
			1995					22/36	22/36	0.00001~0.00024	(0.00001)	Bivalves 0/1 Fish 7/34	Bivalves 0/1 Fish 7/34	Bivalves — Fish 0.00002~0.00004	(Bivalves 0.00001) (Fish 0.00001)									
			1996					29/36	29/36	0.000002~0.00014	(0.000001)	Fish 33/35	Fish 33/35	Fish 0.000001~0.000027	(Fish 0.000001)									
			1997					34/40	34/40	0.000001~0.00016	(0.000001)	Fish 36/39	Fish 36/39	Fish 0.000001~0.000037	(Fish 0.000001)									
434-2-5	Pentachlorodibenzofurans (Other than 1,2,3,7,8-isomer and 2,3,4,7,8-isomer)		1987					32/37	32/37	0.00002~0.00016	(0.00001)	Fish 7/37	Fish 7/37	Fish 0.00001~0.00009	(Fish 0.00001)								434-2-5	
			1988					27/30	27/30	0.00002~0.00093	(0.00001)	Bivalves 2/2 Fish 20/30	Bivalves 2/2 Fish 20/30	Bivalves 0.00001~0.00003 Fish 0.00002~0.00034	(Bivalves 0.00001) (Fish 0.00001)									
			1989					29/33	29/33	0.00001~0.00043	(0.00001)	Bivalves 3/3 Fish 21/32	Bivalves 3/3 Fish 21/32	Bivalves 0.00010~0.00018 Fish 0.00001~0.00055	(Bivalves 0.00001) (Fish 0.00001)									
			1990					29/33	29/33	0.00015~0.00031	(0.00001)	Bivalves 2/3 Fish 25/32	Bivalves 2/3 Fish 25/32	Bivalves 0.00007 Fish 0.00003~0.00041	(Bivalves 0.00001) (Fish 0.00001)									
			1991					30/35	30/35	0.00006~0.00021	(0.00001)	Bivalves 3/3 Fish 28/34	Bivalves 3/3 Fish 28/34	Bivalves 0.00005~0.00008 Fish 0.00001~0.00088	(Bivalves 0.00001) (Fish 0.00001)									
			1992					32/36	32/36	0.00002~0.00055	(0.00001)	Bivalves 2/3 Fish 24/34	Bivalves 2/3 Fish 24/34	Bivalves 0.00003~0.00005 Fish 0.00002~0.00073	(Bivalves 0.00001) (Fish 0.00001)									
			1993					31/36	31/36	0.00005~0.00031	(0.00001)	Bivalves 2/3 Fish 1/34	Bivalves 2/3 Fish 1/34	Bivalves 0.00004~0.00009 Fish 0.00001	(Bivalves 0.00001) (Fish 0.00001)									
			1994					29/36	29/36	0.00008~0.00027	(0.00001)	Bivalves 0/1 Fish 3/34	Bivalves 0/1 Fish 3/34	Bivalves — Fish 0.00001~0.00002	(Bivalves 0.00001) (Fish 0.00001)									
			1995					32/36	32/36	0.00003~0.00037	(0.00001)	Bivalves 1/1 Fish 1/34	Bivalves 1/1 Fish 1/34	Bivalves 0.00007 Fish 0.00001	(Bivalves 0.00001) (Fish 0.00001)									
			1996					35/36	35/36	0.000002~0.00081	(0.000001)	Fish 22/35	Fish 22/35	Fish 0.000001~0.000015	(Fish 0.000001)									
			1997					39/40	39/40	0.000006~0.001	(0.000001)	Fish 23/39	Fish 23/39	Fish 0.000001~0.000064	(Fish 0.000001)									
434-2-5-1	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1987					11/37	11/37	0.00001~0.00011	(0.00001)	Fish 1/37	Fish 1/37	Fish 0.00002	(Fish 0.00001)								434-2-5-1	
			1988					10/30	10/30	0.00001~0.00006	(0.00001)	Bivalves 0/2 Fish 6/30	Bivalves 0/2 Fish 6/30	Bivalves — Fish 0.00002~0.00009	(Bivalves 0.00001) (Fish 0.00001)									
			1989					21/33	21/33	0.00001~0.00013	(0.00001)	Bivalves 2/3 Fish 1/32	Bivalves 2/3 Fish 1/32	Bivalves 0.00002 Fish 0.00002	(Bivalves 0.00001) (Fish 0.00001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site	
			1990					29/33	29/33	0.000001 ~ 0.000032	(0.000001)	Bivalves 0/3 Fish 2/32	Bivalves 0/3 Fish 2/32	Bivalves -- Fish 0.000001 ~ 0.000003	(Bivalves 0.000001) (Fish 0.000001)							
			1991					21/35	21/35	0.000001 ~ 0.000013	(0.000001)	Bivalves 0/3 Fish 7/34	Bivalves 0/3 Fish 7/34	Bivalves -- Fish 0.000001 ~ 0.000007	(Bivalves 0.000001) (Fish 0.000001)							
			1992					29/36	29/36	0.000001 ~ 0.000022	(0.000001)	Bivalves 0/3 Fish 9/34	Bivalves 0/3 Fish 9/34	Bivalves -- Fish 0.000001 ~ 0.000009	(Bivalves 0.000001) (Fish 0.000001)							
			1993					27/36	27/36	0.000001 ~ 0.000049	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves -- Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1994					26/36	26/36	0.000001 ~ 0.000050	(0.000001)	Bivalves 0/1 Fish 2/34	Bivalves 0/1 Fish 2/34	Bivalves -- Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)							
			1995					26/36	26/36	0.000001 ~ 0.000043	(0.000001)	Bivalves 0/1 Fish 2/34	Bivalves 0/1 Fish 2/34	Bivalves -- Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)							
			1996					32/36	32/36	0.000001 ~ 0.000027	(0.000001)	Fish 28/35	Fish 28/35	Fish 0.000001 ~ 0.000010	(Fish 0.000001)							
			1997					36/40	36/40	0.000001 ~ 0.000027	(0.000001)	Fish 22/39	Fish 22/39	Fish 0.000001 ~ 0.000005	(Fish 0.000001)							
434-2-5-2	2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1987					13/37	13/37	0.000001 ~ 0.000017	(0.000001)	Fish 7/37	Fish 7/37	Fish 0.000001 ~ 0.000007	(Fish 0.000001)							434-2-5-2
			1988					12/30	12/30	0.000001 ~ 0.000006	(0.000001)	Bivalves 0/2 Fish 8/30	Bivalves 0/2 Fish 8/30	Bivalves -- Fish 0.000001 ~ 0.000003	(Bivalves 0.000001) (Fish 0.000001)							
			1989					21/33	21/33	0.000001 ~ 0.000014	(0.000001)	Bivalves 2/3 Fish 22/32	Bivalves 2/3 Fish 22/32	Bivalves 0.000001 ~ 0.000002 Fish 0.000001 ~ 0.000004	(Bivalves 0.000001) (Fish 0.000001)							
			1990					27/33	27/33	0.000001 ~ 0.000019	(0.000001)	Bivalves 0/3 Fish 11/32	Bivalves 0/3 Fish 11/32	Bivalves -- Fish 0.000001 ~ 0.000005	(Bivalves 0.000001) (Fish 0.000001)							
			1991					23/35	23/35	0.000001 ~ 0.000015	(0.000001)	Bivalves 0/3 Fish 9/34	Bivalves 0/3 Fish 9/34	Bivalves -- Fish 0.000001 ~ 0.000008	(Bivalves 0.000001) (Fish 0.000001)							
			1992					25/36	25/36	0.000001 ~ 0.000013	(0.000001)	Bivalves 0/3 Fish 8/34	Bivalves 0/3 Fish 8/34	Bivalves -- Fish 0.000001 ~ 0.000004	(Bivalves 0.000001) (Fish 0.000001)							
			1993					27/36	27/36	0.000001 ~ 0.000026	(0.000001)	Bivalves 0/3 Fish 9/34	Bivalves 0/3 Fish 9/34	Bivalves -- Fish 0.000001 ~ 0.000004	(Bivalves 0.000001) (Fish 0.000001)							
			1994					25/36	25/36	0.000001 ~ 0.000024	(0.000001)	Bivalves 0/1 Fish 12/34	Bivalves 0/1 Fish 12/34	Bivalves -- Fish 0.000001 ~ 0.000007	(Bivalves 0.000001) (Fish 0.000001)							
			1995					25/36	25/36	0.000001 ~ 0.000026	(0.000001)	Bivalves 0/1 Fish 10/34	Bivalves 0/1 Fish 10/34	Bivalves -- Fish 0.000001 ~ 0.000008	(Bivalves 0.000001) (Fish 0.000001)							
			1996					30/36	30/36	0.000001 ~ 0.000016	(0.000001)	Fish 32/35	Fish 32/35	Fish 0.000001 ~ 0.000033	(Fish 0.000001)							
			1997					35/40	35/40	0.000001 ~ 0.000018	(0.000001)	Fish 37/39	Fish 37/39	Fish 0.000001 ~ 0.000017	(Fish 0.000001)							
434-2-6	Hexachlorodibenzofurans (Other than 1,2,3,4,7,8-isomer and 1,2,3,6,7,8-isomer 1,2,3,7,8,9-isomer and 2,3,4,6,7,8-isomer)		1987					32/37	32/37	0.000003 ~ 0.000026	(0.000001)	Fish 0/37	Fish 0/37	Fish --	(Fish 0.000001)							434-2-6
			1989					29/33	29/33	0.000001 ~ 0.000014	(0.000001)	Bivalves 1/3 Fish 4/32	Bivalves 1/3 Fish 4/32	Bivalves 0.000010 Fish 0.000001 ~ 0.000002	(Bivalves 0.000001) (Fish 0.000001)							
			1990					29/33	29/33	0.000010 ~ 0.000030	(0.000001)	Bivalves 1/3 Fish 11/32	Bivalves 1/3 Fish 11/32	Bivalves 0.000003 Fish 0.000002 ~ 0.000012	(Bivalves 0.000001) (Fish 0.000001)							
			1991					30/35	30/35	0.000002 ~ 0.000021	(0.000001)	Bivalves 0/3 Fish 17/34	Bivalves 0/3 Fish 17/34	Bivalves -- Fish 0.000001 ~ 0.000019	(Bivalves 0.000001) (Fish 0.000001)							
			1992					33/36	33/36	0.000002 ~ 0.000089	(0.000001)	Bivalves 0/3 Fish 17/34	Bivalves 0/3 Fish 17/34	Bivalves -- Fish 0.000002 ~ 0.000022	(Bivalves 0.000001) (Fish 0.000001)							
			1993					31/36	31/36	0.000003 ~ 0.000039	(0.000001)	Bivalves 2/3 Fish 1/34	Bivalves 2/3 Fish 1/34	Bivalves 0.000001 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)							
			1994					30/36	30/36	0.000001 ~ 0.000048	(0.000001)	Bivalves 0/1 Fish 3/34	Bivalves 0/1 Fish 3/34	Bivalves -- Fish 0.000001 ~ 0.000012	(Bivalves 0.000001) (Fish 0.000001)							
			1995					33/36	33/36	0.000001 ~ 0.000035	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000007 Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1996					36/36	36/36	0.000002 ~ 0.0010	(0.000002)	Fish 0/35	Fish 0/35	Fish --	(Fish 0.000002)							
			1997					39/40	39/40	0.000005 ~ 0.0015	(0.000002)	Fish 7/39	Fish 7/39	Fish 0.000002 ~ 0.000059	(Fish 0.000002)							
434-2-6-1	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	1987					0/37	0/37	--	(0.000001)	Fish 0/37	Fish 0/37	Fish --	(Fish 0.000001)							434-2-6-1
			1989					27/33	27/33	0.000001 ~ 0.000048	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves -- Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1990					29/33	29/33	0.000001 ~ 0.000029	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves -- Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1991					25/35	25/35	0.000001 ~ 0.000038	(0.000001)	Bivalves 1/3 Fish 0/34	Bivalves 1/3 Fish 0/34	Bivalves 0.000001 Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1992					29/36	29/36	0.000001 ~ 0.000036	(0.000001)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves -- Fish 0.000002	(Bivalves 0.000001) (Fish 0.000001)							
			1993					30/36	30/36	0.000001 ~ 0.000070	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves -- Fish --	(Bivalves 0.000001) (Fish 0.000001)							
			1994					28/36	28/36	0.000001 ~ 0.000078	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves -- Fish --	(Bivalves 0.000001) (Fish 0.000001)							





Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
444	Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate) (synonym: Fluorescent 351)	27344-41-8	1982	15/45	5/15	0.1~0.7	(0.1~0.2)	25/45	10/15	0.01~2.1	(0.005~0.04)												444	
	Disodium 4,4'-Bis[5-(4-morpholino-6-morpholino-1,3,5-triazin-2-yl)amino]stilbene-2,2'-disulfonic acid	See Disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]																						
445	Disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate] (synonym: C.I. Fluorescent 260)	16090-02-1	1982	0/45	0/15	—	(0.6~2)	13/45	5/15	0.04~0.2	(0.05~0.12)												445	
	Distearyl thiodipropionate	See Dioctadecyl 3,3'-thiobispropionate																						
446	Disulfiram	97-77-8	1992	0/30	0/10	—	(2.64)																446	
	Disulfoton	See <i>O,O</i> -Diethyl <i>S</i> -[2-(ethylthio)ethyl] dithiophosphate																						
447	2,2'-Dithiobis(benzothiazole)	120-78-5	1977	0/12	0/6	—	(0.5)	0/12	0/6	—	(0.05~0.17)												447	
448	<i>N,N'</i> -Ditolyl- <i>p</i> -phenylenediamine	27417-40-9	2004	0/18	0/6	—	(0.009)											0/3	0/1	—	(0.0006)		448	
			2008	0/48	0/48	—	(0.0020)																	
			2010															W.S. 0/114	W.S. 0/37	W.S. —	(W.S. 0.00051)			
449	Divinylbenzene	1321-74-0	2006	0/15	0/5	—	(0.002)																449	
450	<i>N,N'</i> -Dixylyl- <i>p</i> -phenylenediamine	28726-30-9	2004	0/18	0/6	—	(0.020)											0/3	0/1	—	(0.001)		450	
			2008	0/48	0/48	—	(0.0021)																	
			2010															W.S. 0/114	W.S. 0/37	W.S. —	(W.S. 0.00034)			
	DMT	See Dimethyl terephthalate																						
	DMTP	See <i>S</i> -(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiazol-3-yl)methyl- <i>O,O</i> -dimethyl dithiophosphate																						
451	1,2,3,4,7,8,9,10,13,14,14-Dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-dimethanodibenzo[a,e]cyclooctene	13560-89-9	1976	4/60	1/17	0.4~0.6	(0.28~0.5)	0/53	0/17	—	(0.01~0.03)	Fish 0/2	Fish 0/1	Fish —	(Fish 0.015)									451
	Dodecachlorododecahydrodimethanodibenzo[a,e]cyclooctene	See 1,2,3,4,7,8,9,10,13,14,14-Dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-dimethanodibenzo[a,e]cyclooctene																						
	EDDP	See <i>O</i> -Ethyl <i>S,S</i> -diphenyl dithiophosphate																						
	Edifenphos	See <i>O</i> -Ethyl <i>S,S</i> -diphenyl dithiophosphate																						
	EDTA	See Ethylenediaminetetraacetic acid																						
452	2-Endo,3-exp,5-endo,6-exo,8,9,9,10,10-nonachlorobornane (synonym: Parlar-50)		2003	0/36	0/36	—	(0.00003)	0/186	0/62	—	(0.00005)	Bivalves 17/30 Fish 55/70 Birds 5/10	Bivalves 4/6 Fish 14/14 Birds 1/2	Bivalves 0.000011~ 0.000058 Fish 0.000011~0.0011 Birds 0.0017~0.0030 (Fish 0.000011) (Birds 0.000011)	(Bivalves 0.000011)	W.S. 2/35 C.S. 0/34	W.S. 2/35 C.S. 0/34	W.S. 0.00027~ 0.00037 C.S. —	(W.S. 0.00027) (C.S. 0.00027)					452
			2004	0/38	0/38	—	(0.000007)	0/189	0/63	—	(0.00002)	Bivalves 15/31 Fish 59/70 Birds 5/10	Bivalves 3/7 Fish 14/14 Birds 1/2	Bivalves 0.000025~ 0.000045 Fish 0.000016~0.0013 Birds 0.00088~0.0010 (Fish 0.000015) (Birds 0.000015)	(Bivalves 0.000015)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0004) (C.S. 0.0004)					
			2005	0/47	0/47	—	(0.000005)	0/189	0/63	—	(0.00004)	Bivalves 4/7 Fish 55/80 Birds 5/10	Bivalves 4/7 Fish 13/16 Birds 1/2	Bivalves 0.000018~ 0.000038 Fish 0.000018~0.0014 Birds 0.00095~0.0015 (Fish 0.000018) (Birds 0.000018)	(Bivalves 0.000018)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0002) (C.S. 0.0002)					
			2006	0/48	0/48	—	(0.000005)	0/192	0/64	—	(0.000007)	Bivalves 24/31 Fish 79/80 Birds 5/10	Bivalves 6/7 Fish 16/16 Birds 1/2	Bivalves 0.000005~ 0.000032 Fish 0.000005~0.0013 Birds 0.00076~0.0010 (Fish 0.000005) (Birds 0.000005)	(Bivalves 0.000005)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0005) (C.S. 0.0005)					
			2007	0/48	0/48	—	(0.000003)	0/192	0/64	—	(0.00001)	Bivalves 27/31 Fish 77/80 Birds 5/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.000003~ 0.000037 Fish 0.000003~0.0011 Birds 0.00072~ 0.00093 (Fish 0.000003) (Birds 0.000003)	(Bivalves 0.000003)	W.S. 29/36 C.S. 0/36	W.S. 29/36 C.S. 0/36	W.S. 0.0001~ 0.0002 C.S. —	(W.S. 0.0001) (C.S. 0.0001)					
			2008	0/48	0/48	—	(0.000003)	0/192	0/64	—	(0.000006)	Bivalves 23/31 Fish 77/85 Birds 5/10	Bivalves 6/7 Fish 17/17 Birds 1/2	Bivalves 0.000004~ 0.000023 Fish 0.000004~0.0010 Birds 0.00082~0.0016 (Bivalves 0.000004) (Birds 0.000004)	(Bivalves 0.000004)	W.S. 15/37 C.S. 0/37	W.S. 15/37 C.S. 0/37	W.S. 0.00009~ 0.00019 C.S. —	(W.S. 0.00009) (C.S. 0.00009)					
			2009	0/49	0/49	—	(0.000003)	0/192	0/64	—	(0.000005)	Bivalves 27/31 Fish 85/90 Birds 5/10	Bivalves 7/7 Fish 18/18 Birds 1/2	Bivalves 0.000003~ 0.000031 Fish 0.000003~ 0.00091 Birds 0.00050~ 0.00062 (Bivalves 0.000003) (Birds 0.000003)	(Bivalves 0.000003)	W.S. 11/37 C.S. 1/37	W.S. 11/37 C.S. 1/37	W.S. 0.0001 C.S. 0.0001	(W.S. 0.0001) (C.S. 0.0001)					
453	2-Endo,3-exp,5-endo,6-exo,8,8,10,10-octachlorobornane (synonym: Parlar-26)		2003	0/36	0/36	—	(0.00002)	0/186	0/62	—	(0.00003)	Bivalves 11/30 Fish 44/70 Birds 5/10	Bivalves 3/6 Fish 11/14 Birds 1/2	Bivalves 0.000016~ 0.000039 Fish 0.000015~ 0.00081 Birds 0.0013~0.0025 (Bivalves 0.000015)	(Bivalves 0.000015)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00017~ 0.00077 C.S. 0.000091 ~0.00027 (W.S. 0.000066) (C.S. 0.000066)						
			2004	0/38	0/38	—	(0.000003)	0/189	0/63	—	(0.00002)	Bivalves 15/31 Fish 54/70 Birds 5/10	Bivalves 3/7 Fish 13/14 Birds 1/2	Bivalves 0.000016~ 0.000032 Fish 0.000014~0.0010 Birds 0.00068~ 0.00081 (Bivalves 0.000014) (Birds 0.000014)	(Bivalves 0.000014)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00017~ 0.00046 C.S. 0.000094 ~0.00050 (W.S. 0.000066) (C.S. 0.000066)						
			2005	0/47	0/47	—	(0.000004)	0/189	0/63	—	(0.00003)	Bivalves 7/31 Fish 50/75 Birds 5/10	Bivalves 4/7 Fish 13/16 Birds 1/2	Bivalves 0.000016~ 0.000028 Fish 0.000017~ 0.00090 Birds 0.00075~0.0012 (Bivalves 0.000016) (Fish 0.000016)	(Bivalves 0.000016)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0001) (C.S. 0.0001)					
			2006	0/48	0/48	—	(0.000005)	0/192	0/64	—	(0.000004)	Bivalves 21/31 Fish 70/80 Birds 5/10	Bivalves 5/7 Fish 15/16 Birds 1/2	Bivalves 0.000009~ 0.000025 Fish 0.000007~ 0.00088 Birds 0.00057~ 0.00075 (Bivalves 0.000007) (Fish 0.000007) (Birds 0.000007)	(Bivalves 0.000007)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0006) (C.S. 0.0006)					









Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2006	48/48	48/48	0.000011~0.000047	(0.000007)	157/192	58/64	0.000010~0.00021	(0.000010)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00008~0.0011	(Bivalves 0.00001)	W.S. 37/37	W.S. 37/37	W.S. 0.00013~0.0067	(W.S. 0.00004)					
			2007	48/48	48/48	0.000009~0.00012	(0.000004)	141/192	53/64	0.000001~0.00027	(0.000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000008~0.0011	(Bivalves 0.00001)	W.S. 36/36	W.S. 36/36	W.S. 0.00054~0.013	(W.S. 0.00001)					
			2008	46/48	46/48	0.000009~0.00037	(0.000002)	130/192	51/64	0.000001~0.00018	(0.000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000008~0.00051	(Bivalves 0.00002)	W.S. 37/37	W.S. 37/37	W.S. 0.00053~0.0099	(W.S. 0.00008)					
			2009	49/49	49/49	0.000008~0.00072	(0.000002)	176/192	63/64	0.000003~0.00029	(0.000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000010~0.00038	(Bivalves 0.00001)	W.S. 37/37	W.S. 37/37	W.S. 0.00037~0.016	(W.S. 0.00001)					
			2010	49/49	49/49	0.000007~0.00071	(0.000002)	62/64	62/64	0.000003~0.00030	(0.000003)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000090~0.0018	(Bivalves 0.000009)	W.S. 37/37	W.S. 37/37	W.S. 0.00038~0.010	(W.S. 0.00001)					
515-2	trans-Heptachlor epoxide	1024-57-3	2003	4/36	4/36	0.000005~0.000002	(0.000004)	0/186	0/62	—	(0.000003)	Bivalves 5/30	Bivalves 1/6	Bivalves 0.000023~0.00048	(Bivalves 0.000044)	W.S. 18/35	W.S. 18/35	W.S. 0.00038~0.00030	(W.S. 0.00033)			515-2		
			2004	0/38	0/38	—	(0.000003)	1/189	1/63	0.0000025	(0.000002)	Bivalves 9/31	Bivalves 2/7	Bivalves 0.000058~0.00055	(Bivalves 0.000040)	W.S. 4/37	W.S. 4/37	W.S. 0.00021~0.00038	(W.S. 0.0002)					
			2005	0/47	0/47	—	(0.000002)	0/189	0/63	—	(0.000002)	Bivalves 5/31	Bivalves 1/7	Bivalves 0.000020~0.00037	(Bivalves 0.000075)	W.S. 27/37	W.S. 27/37	W.S. 0.00007~0.0012	(W.S. 0.00005)					
			2006	0/48	0/48	—	(0.000006)	2/192	2/64	0.000004~0.00019	(0.000002)	Bivalves 5/31	Bivalves 1/7	Bivalves 0.000032~0.00045	(Bivalves 0.000005)	W.S. 2/37	W.S. 2/37	W.S. 0.0007~0.00032	(W.S. 0.0001)					
			2007	2/48	2/48	0.000009	(0.000007)	2/192	2/64	0.000005~0.00031	(0.000004)	Bivalves 5/31	Bivalves 1/7	Bivalves 0.000029~0.00061	(Bivalves 0.000005)	W.S. 8/36	W.S. 8/36	W.S. 0.00006~0.00016	(W.S. 0.00006)					
			2008	0/48	0/48	—	(0.000007)	0/192	0/64	—	(0.000007)	Bivalves 5/31	Bivalves 1/7	Bivalves 0.000023~0.00033	(Bivalves 0.000004)	W.S. 6/37	W.S. 6/37	W.S. 0.00007~0.00017	(W.S. 0.00006)					
			2009	0/49	0/49	—	(0.000003)	0/192	0/64	—	(0.000006)	Bivalves 13/31	Bivalves 3/7	Bivalves 0.000003~0.00024	(Bivalves 0.000003)	W.S. 10/37	W.S. 10/37	W.S. 0.00005~0.00018	(W.S. 0.00005)					
			2010	2/49	2/49	0.000009~0.000080	(0.000005)	1/64	1/64	0.000004	(0.000001)	Bivalves 3/6	Bivalves 3/6	Bivalves 0.000005~0.00024	(Bivalves 0.000001)	W.S. 6/37	W.S. 6/37	W.S. 0.00006~0.00016	(W.S. 0.00006)					
516	1-Heptanol	111-70-6	1979	0/27	0/9	—	(5~50)	0/27	0/9	—	(0.3~1)												516	
517	Hexabromobenzene	87-82-1	1977	0/15	0/7	—	(0.04~0.5)	0/15	0/7	—	(0.01~0.17)												517	
			1981	0/18	0/6	—	(0.01~0.1)	3/18	1/6	0.0022~0.0069	(0.0005~0.0025)													
			1982	0/126	0/42	—	(0.05)	3/126	1/42	0.0031~0.0043	(0.0009~0.005)	Fish 0/126	Fish 0/36	Fish —	(Fish 0.005)									
			2000	0/36	0/12	—	(0.0064)	4/33	2/11	8.4~43	(4.8)	Fish 0/33	Fish 0/11	Fish —	(Fish 3.2)	14/33	8/11	0.031~0.1	(0.03)					
			2004	0/38	0/38	—	(0.0006)	31/189	15/63	0.0009~0.034	(0.0009)	Bivalves 0/31	Bivalves 0/7	Bivalves —	(Bivalves 0.0001)	W.S. 27/37	W.S. 27/37	W.S. 0.010~0.61	(W.S. 0.0097)					
			2007	0/48	0/48	—	(0.0021)	44/192	21/64	0.0011~0.015	(0.0011)	Bivalves 0/31	Bivalves 0/7	Bivalves —	(Bivalves 0.0001)	C.S. 12/37	C.S. 12/37	C.S. 0.0099~0.38	(C.S. 0.0097)					
	Hexabromobiphenyl	See Polybrominated biphenyl (Hexabromobiphenyl)																						
518	Hexabromocyclododecanes	25637-99-4	1987	0/75	0/25	—	(0.2)	3/69	1/23	0.02~0.09	(0.02)	Fish 4/66	Fish 2/21	Fish 0.01~0.023	(Fish 0.01)								518	
518-1	1,2,5,6,9,10-Hexabromocyclododecane	3194-55-6	2003	0/60	0/20	—	(0.087)	3/45	1/15	0.085~0.14	(0.023)												518-1	
			2004									Fish 3/18	Fish 1/6	Fish 0.043~0.077	(Fish 0.0071)									
519	Hexachlorobenzene (synonym:HCB)	118-74-1	1974	0/60	0/12	—	(0.1)	0/60	0/12	—	(0.01)	Fish 4/60	Fish 3/12	Fish 0.005~0.007	(Fish 0.005)								519	
			1975	0/390	0/78	—	(0.001~0.01)	37/399	11/80	0.0002~0.12	(0.0001~0.005)	Fish 110/369	Fish 32/74	Fish 0.0001~0.028	(Fish 0.0001~0.005)									
			1978	6/77	2/26	0.0016~0.0045	(0.0016)	63/76	24/26	0.00011~0.48	(0.00011)	Fish 73/75	Fish 20/20	Fish 0.00020~0.013	(Fish 0.00016)									
												Bivalves 0/10	Bivalves 0/2	Bivalves —	(Bivalves 0.001)									
												Fish 30/30	Fish 6/6	Fish 0.001~0.007	(Birds 0.005)									
												Birds 0/7	Birds 0/1	Birds —										

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
			1979																						
			1980																						
			1981																						
			1982																						
			1983																						
			1984																						
			1985																						
			1986		0/18	—				3/18	0.0002~0.0006														
			1987		1/20	0.0054				8/20	0.00010~0.016														
			1988		1/22	0.0033				5/22	0.000083~0.0060														
			1989		1/17	0.0005				5/17	0.00007~0.0092														
			1990		0/18	—				3/18	0.0010~0.0111														
			1991		0/18	—				8/18	0.000047~0.014														
			1992		0/18	—				10/18	0.000051~0.012														
			1993		0/19	—				12/19	0.000023~0.002														
			1994		0/17	—				10/17	0.000034~0.012						8/24	4/8	1.1~3.5	(1)					
			1995		0/18	—				7/18	0.000041~0.010														
			1996		0/18	—				4/18	0.000062~0.0069														
			1997		0/18	—				3/18	0.000040~0.0075														
			1998		0/18	—				3/18	0.00083~0.0078														
			1999							5/18	0.00026~0.0041						39/39	13/13	0.013~1.1	(0.013)					
			2000							4/17	0.00018~0.0049														
			2001							3/20	0.00051~0.0024														
			2002	114/114	38/38	0.000098~0.0014	(0.000002)	189/189	63/63	0.000076~0.019	(0.000003)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves — Fish 0.000019~0.00091 Birds 0.00056~0.0016	(Bivalves 0.001) (Fish 0.0000006) (Fish 0.0000006)	102/102	34/34	0.057~3.0	(0.0003)						
			2003	36/36	36/36	0.000011~0.00034	(0.000002)	186/186	62/62	0.000005~0.042	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000021~0.00066 Fish 0.000028~0.0015 Birds 0.00079~0.0047	(Bivalves 0.0000075) (Fish 0.0000075) (Birds 0.0000075)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.081~0.43 C.S. 0.064~0.32	(W.S. 0.00078) (C.S. 0.00078)						
			2004	38/38	38/38	0.000011~0.00018	(0.000008)	189/189	63/63	0.000006~0.025	(0.000003)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000014~0.000080 Fish 0.000026~0.0018 Birds 0.00041~0.0022	(Bivalves 0.0000046) (Fish 0.0000046) (Birds 0.0000046)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.047~0.43 C.S. 0.051~0.39	(W.S. 0.00037) (C.S. 0.00037)						
			2005	47/47	47/47	0.000006~0.00021	(0.000005)	189/189	63/63	0.000013~0.022	(0.000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000019~0.00045 Fish 0.000029~0.0017 Birds 0.00040~0.0025	(Bivalves 0.0000038) (Fish 0.0000038) (Birds 0.0000038)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.027~0.25 C.S. 0.044~0.18	(W.S. 0.000034) (C.S. 0.000034)						
			2006	46/48	46/48	0.000005~0.00019	(0.000005)	192/192	64/64	0.000010~0.019	(0.0000010)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000011~0.00034 Fish 0.000025~0.0014 Birds 0.00049~0.0021	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.023~0.21 C.S. 0.0082~0.17	(W.S. 0.00007) (C.S. 0.00007)						

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	48/48	48/48	0.000004~0.00019	(0.000003)	191/192	64/64	0.000002~0.065	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000011~0.0004 Fish 0.000017~0.0015 Birds 0.00042~0.0020	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 24/24 C.S. 22/22	W.S. 24/24 C.S. 22/22	W.S. 0.072~0.23 C.S. 0.055~0.12	(W.S. 0.00003) (C.S. 0.00003)					
			2008	48/48	48/48	0.000004~0.00048	(0.000001)	192/192	64/64	0.0000044~0.029	(0.000008)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000013~0.00024 Fish 0.000025~0.0015 Birds 0.00024~0.0025	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.078~0.26 C.S. 0.058~0.16	(W.S. 0.00008) (C.S. 0.00008)					
			2009	49/49	49/49	0.0000024~0.00018	(0.0000002)	190/192	64/64	0.0000044~0.034	(0.000007)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000012~0.00020 Fish 0.000029~0.03 Birds 0.0004~0.0015	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 34/34 C.S. 34/34	W.S. 34/34 C.S. 34/34	W.S. 0.078~0.21 C.S. 0.059~0.15	(W.S. 0.0002) (C.S. 0.0002)					
			2010	39/49	39/49	0.000004~0.00012	(0.000004)	64/64	64/64	0.000004~0.021	(0.000001)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000004~0.00021 Fish 0.000036~0.0017 Birds 0.00050~0.0019	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.073~0.16 C.S. 0.056~0.38	(W.S. 0.0007) (C.S. 0.0007)					
520	1,4,5,6,7,7-Hexachlorobicyclo [2,2,1]-5-heptene-2,3-dicarboxylic acid (synonym: Chlorendic acid)	115-28-6	2006	0/15	0/5	—	(0.025)									0/15	0/5	—	(6)			520		
521	Hexachlorobuta-1,3-diene	87-68-3	1981	0/18	0/6	—	(0.02)	0/18	0/6	—	(0.002~2)											521		
			2007	0/12	0/4	—	(0.000096)	0/3	0/1	—	(0.000092)													
				0/48	0/48	—	(0.00034)	22/192	10/64	0.0000085~0.0013	(0.0000085)	Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)									
522	alpha-Hexachlorocyclohexane (alpha-HCH)*****	319-84-6	1974	3/60	1/12	0.1	(0.1)	5/60	2/12	0.01	(0.01)	Fish 16/60 Bivalves 10/10 Fish 30/30 Birds 6/7	Fish 7/12 Bivalves 2/2 Fish 6/6 Birds 1/1	Fish 0.005~0.015 Bivalves 0.002~0.005 Fish 0.001~0.021 Birds 0.001~0.005	(Fish 0.005) (Bivalves 0.001) (Fish 0.001) (Birds 0.001)								522	
			1978									Bivalves 10/15 Fish 34/40 Birds 6/6	Bivalves 2/3 Fish 7/8 Birds 1/1	Bivalves 0.001~0.033 Fish 0.001~0.024 Birds 0.002~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 10/15 Fish 36/50 Birds 8/8	Bivalves 2/3 Fish 8/10 Birds 1/1	Bivalves 0.002~0.045 Fish 0.002~0.014 Birds 0.003~0.019	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 20/20 Fish 36/46 Birds 7/7	Bivalves 4/4 Fish 7/9 Birds 1/1	Bivalves 0.002~0.019 Fish 0.001~0.023 Birds 0.003~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 20/20 Fish 44/50 Birds 5/9	Bivalves 4/4 Fish 9/10 Birds 1/2	Bivalves 0.001~0.016 Fish 0.002~0.017 Birds 0.003~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1983									Bivalves 20/20 Fish 44/50 Birds 5/10	Bivalves 4/4 Fish 9/10 Birds 1/2	Bivalves 0.001~0.034 Fish 0.002~0.012 Birds 0.005~0.009	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 20/20 Fish 42/60 Birds 5/10	Bivalves 4/4 Fish 9/12 Birds 1/2	Bivalves 0.001~0.014 Fish 0.001~0.012 Birds 0.002~0.037	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 7/20 Fish 40/60 Birds 5/10	Bivalves 3/4 Fish 9/12 Birds 1/2	Bivalves 0.001~0.009 Fish 0.001~0.005 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	—			4/18	0.0001~0.0007		Bivalves 10/20 Fish 33/60 Birds 4/10	Bivalves 2/4 Fish 8/12 Birds 1/2	Bivalves 0.001~0.006 Fish 0.001~0.005 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		1/20	0.0018			6/20	0.00004~0.0035		Bivalves 11/20 Fish 32/65 Birds 2/10	Bivalves 3/4 Fish 8/13 Birds 1/2	Bivalves 0.001~0.006 Fish 0.001~0.005 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988		1/22	0.0019			1/22	0.00021		Bivalves 5/20 Fish 22/65 Birds 3/10	Bivalves 1/4 Fish 7/13 Birds 1/2	Bivalves 0.001 Fish 0.001~0.003 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989		0/17	—			0/17	—		Bivalves 6/21 Fish 14/65 Birds 0/10	Bivalves 3/5 Fish 5/13 Birds 0/2	Bivalves 0.001~0.006 Fish 0.001~0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990		0/18	—			1/18	0.0025		Bivalves 10/25 Fish 18/65 Birds 0/10	Bivalves 2/5 Fish 5/13 Birds 0/2	Bivalves 0.001~0.002 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991		0/18	—			1/18	0.0020		Bivalves 6/30 Fish 14/65 Birds 2/10	Bivalves 2/6 Fish 4/13 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992		0/18	—			2/18	0.00019~0.00072		Bivalves 0/30 Fish 16/70 Birds 0/10	Bivalves 0/6 Fish 5/14 Birds 0/2	Bivalves — Fish 0.001~0.006 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993		1/19	0.0053			3/19	0.000062~0.002		Bivalves 1/30 Fish 10/70 Birds 0/10	Bivalves 1/6 Fish 5/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994		0/17	—			3/17	0.000033~0.0020		Bivalves 0/30 Fish 6/70 Birds 3/5	Bivalves 0/6 Fish 2/14 Birds 1/1	Bivalves — Fish 0.001~0.002 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995		0/18	—			1/18	0.0017		Bivalves 0/30 Fish 8/70 Birds 2/10	Bivalves 0/6 Fish 2/14 Birds 1/2	Bivalves — Fish 0.001~0.002 Birds 0.002~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996		0/18	—			2/18	0.00020~0.0050		Bivalves 0/30 Fish 4/70 Birds 2/10	Bivalves 0/6 Fish 1/14 Birds 1/2	Bivalves — Fish 0.001 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1997		0/18	—			1/18	0.00042														
			1998		0/18	—			1/18	0.00038		Bivalves 3/30 Fish 8/70 Birds 0/10	Bivalves 1/6 Fish 2/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999						0/18	—														
			2000						1/17	0.00015		Bivalves 0/30 Fish 1/69 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves — Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2001						1/20	0.00021			Bivalves 0/30 Fish 5/72 Birds 0/10	Bivalves 0/6 Fish 2/15 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2002	114/114	38/38	0.000019~0.0065	(0.000003)	189/189	63/63	0.0000020~0.0082	(0.000004)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000012~0.0011 Fish 0.0000019~0.00059 Birds 0.000093~0.00036	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)									
			2003	36/36	36/36	0.000013~0.00097	(0.000009)	186/186	62/62	0.000002~0.0095	(0.000005)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000099~0.00061 Fish 0.0000026~0.00059 Birds 0.000030~0.00023	(Bivalves 0.0000061) (Fish 0.0000061) (Birds 0.0000061)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2004	38/38	38/38	0.000013~0.0057	(0.000002)	189/189	63/63	0.0000015~0.0057	(0.000006)	Bivalves 31/31 Fish 63/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000012~0.0018 Fish 0.0000044~0.0029 Birds 0.000058~0.0016	(Bivalves 0.0000043) (Fish 0.0000043) (Birds 0.0000043)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2005	47/47	47/47	0.000016~0.00066	(0.000001)	189/189	63/63	0.0000034~0.0070	(0.000006)	Bivalves 31/31 Fish 75/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000071~0.0011 Fish 0.0000040~0.0010 Birds 0.000067~0.000085	(Bivalves 0.0000036) (Fish 0.0000036) (Birds 0.0000036)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2006	48/48	48/48	0.000025~0.0021	(0.000001)	192/192	64/64	0.000002~0.0043	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000006~0.00039 Fish 0.000002~0.00036 Birds 0.000055~0.00010	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2007	48/48	48/48	0.000013~0.00072	(0.000006)	192/192	64/64	0.0000013~0.012	(0.000006)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000008~0.0014 Fish 0.000002~0.00073 Birds 0.000043~0.00021	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2008	48/48	48/48	0.000009~0.0011	(0.000002)	191/192	64/64	0.0000016~0.0052	(0.000006)	Bivalves 31/31 Fish 84/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000007~0.00038 Fish 0.000002~0.00041 Birds 0.000032~0.000061	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2009	49/49	49/49	0.000014~0.00056	(0.000004)	191/192	64/64	0.0000012~0.0063	(0.000004)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000009~0.0022 Fish 0.000002~0.00083 Birds 0.000034~0.000056	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.019~0.34 C.S. 0.0078~0.40	(W.S. 0.00005) (C.S. 0.00005)					
			2010	49/49	49/49	0.000014~0.0014	(0.000001)	64/64	64/64	0.0000031~0.0037	(0.000008)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000013~0.00073 Fish 0.000001~0.00025 Birds 0.00016~0.00043	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.014~0.28 C.S. 0.0068~0.41	(W.S. 0.00047) (C.S. 0.00047)					
523	beta-Hexachlorocyclohexane (beta-HCH)	319-85-7	1974	0/60	0/12	—	(0.1)	9/60	2/12	0.03~0.05	(0.01)	Fish 2/60	Fish 1/12	Fish 0.005~0.007	(Fish 0.005)									523
			1978									Bivalves 5/10 Fish 20/30 Birds 7/7	Bivalves 1/2 Fish 4/6 Birds 1/1	Bivalves 0.001~0.002 Fish 0.001~0.014 Birds 0.005~0.010	(Bivalves 0.001) (Fish 0.001)									
			1979									Bivalves 5/15 Fish 14/40 Birds 6/6	Bivalves 1/3 Fish 3/8 Birds 1/1	Bivalves 0.006~0.009 Fish 0.001~0.032 Birds 0.006~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 5/15 Fish 24/50 Birds 8/8	Bivalves 1/3 Fish 6/10 Birds 1/1	Bivalves 0.014~0.026 Fish 0.001~0.076 Birds 0.008~0.060	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 15/20 Fish 29/46 Birds 7/7	Bivalves 3/4 Fish 6/9 Birds 1/1	Bivalves 0.002~0.004 Fish 0.002~0.059 Birds 0.006~0.029	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 15/20 Fish 34/50 Birds 9/9	Bivalves 3/4 Fish 7/10 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.029 Birds 0.006~0.012	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)									
			1983									Bivalves 10/20 Fish 38/50 Birds 10/10	Bivalves 2/4 Fish 9/10 Birds 2/2	Bivalves 0.001~0.005 Fish 0.001~0.028 Birds 0.009~0.103	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 10/20 Fish 29/60 Birds 10/10	Bivalves 2/4 Fish 6/12 Birds 2/2	Bivalves 0.002~0.003 Fish 0.001~0.048 Birds 0.008~0.055	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 5/20 Fish 25/60 Birds 10/10	Bivalves 1/4 Fish 5/12 Birds 2/2	Bivalves 0.002~0.003 Fish 0.001~0.039 Birds 0.008~0.043	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	—			4/18	0.0002~0.0013		Bivalves 4/20 Fish 25/60 Birds 10/10	Bivalves 1/4 Fish 5/12 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.014 Birds 0.010~0.033	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		1/20	0.010			7/20	0.00008~0.0047		Bivalves 5/20 Fish 19/65 Birds 10/10	Bivalves 1/4 Fish 4/13 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.013 Birds 0.006~0.053	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
			1988		3/22	0.0048~0.045				2/22	0.00023~0.016			Bivalves 0/20 Fish 15/65 Birds 10/10	Bivalves 0/4 Fish 5/13 Birds 2/2	Bivalves — Fish 0.001~0.004 Birds 0.004~0.026	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1989		2/17	0.0053~0.010				2/17	0.0061~0.015			Bivalves 4/21 Fish 17/65 Birds 10/10	Bivalves 1/5 Fish 4/13 Birds 2/2	Bivalves 0.002~0.004 Fish 0.001~0.006 Birds 0.005~0.018	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1990		2/18	0.0055~0.012				4/18	0.000090~ 0.00727			Bivalves 4/21 Fish 17/65 Birds 10/10	Bivalves 1/5 Fish 4/13 Birds 2/2	Bivalves 0.002~0.004 Fish 0.001~0.006 Birds 0.005~0.018	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1991		1/18	0.026				2/18	0.0012~0.0044			Bivalves 4/30 Fish 13/65 Birds 10/10	Bivalves 1/6 Fish 4/13 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.009 Birds 0.004~0.018	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1992		1/18	0.009				1/18	0.00090			Bivalves 2/30 Fish 26/70 Birds 10/10	Bivalves 1/6 Fish 6/14 Birds 2/2	Bivalves 0.001 Fish 0.001~0.004 Birds 0.005~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1993		0/19	—				4/19	0.00015~0.0023			Bivalves 2/30 Fish 11/70 Birds 10/10	Bivalves 1/6 Fish 3/14 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.006 Birds 0.006~0.010	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1994		0/17	—				2/17	0.00011~0.016			Bivalves 0/30 Fish 14/70 Birds 5/5	Bivalves 0/6 Fish 3/14 Birds 1/1	Bivalves — Fish 0.001~0.007 Birds 0.002~0.014	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1995		0/18	—				3/18	0.0012~0.0034			Bivalves 0/30 Fish 10/70 Birds 10/10	Bivalves 0/6 Fish 2/14 Birds 2/2	Bivalves — Fish 0.002~0.007 Birds 0.003~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1996		0/18	—				5/18	0.00056~0.00843			Bivalves 0/30 Fish 12/70 Birds 10/10	Bivalves 0/6 Fish 3/14 Birds 2/2	Bivalves — Fish 0.001~0.007 Birds 0.003~0.009	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1997		0/18	—				4/18	0.00051~0.010														
			1998		0/18	—				1/18	0.0021			Bivalves 0/30 Fish 10/70 Birds 10/10	Bivalves 0/6 Fish 2/14 Birds 2/2	Bivalves — Fish 0.001~0.003 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1999							1/18	0.016														
			2000							2/17	0.00058~0.00080			Bivalves 0/30 Fish 7/69 Birds 10/10	Bivalves 0/6 Fish 2/14 Birds 2/2	Bivalves — Fish 0.001~0.003 Birds 0.002~0.008	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2001							3/20	0.00048~0.0068			Bivalves 5/30 Fish 11/72 Birds 10/10	Bivalves 1/6 Fish 3/15 Birds 2/2	Bivalves 0.002 Fish 0.001~0.002 Birds 0.002~0.010	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			2002	114/114	38/38	0.000024~0.0016	(0.0000003)	189/189	63/63	0.0000039~0.011	(0.0000003)			Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000032~ 0.0017 Fish 0.000005~0.0018 Birds 0.0016~0.0073	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)								
			2003	36/36	36/36	0.000014~0.0017	(0.0000007)	186/186	62/62	0.000005~0.039	(0.0000007)			Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000023~ 0.0011 Fish 0.0000035~ 0.0011 Birds 0.0018~0.0059	(Bivalves 0.0000033) (Fish 0.0000033) (Birds 0.0000033)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2004	38/38	38/38	0.000031~0.0034	(0.0000002)	189/189	63/63	0.000004~0.053	(0.0000008)			Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000022~ 0.0018 Fish 0.0000039~ 0.0011 Birds 0.0011~0.0048	(Bivalves 0.0000020) (Fish 0.0000020) (Birds 0.0000020)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2005	47/47	47/47	0.000025~0.0023	(0.0000009)	189/189	63/63	0.0000039~0.013	(0.0000009)			Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000020~ 0.0020 Fish 0.0000067~ 0.0013 Birds 0.00093~0.0060	(Bivalves 0.0000075) (Fish 0.0000075) (Birds 0.0000075)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2006	48/48	48/48	0.000042~0.0020	(0.0000006)	192/192	64/64	0.0000023~0.021	(0.0000004)			Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000011~ 0.00088 Fish 0.000004~0.0011 Birds 0.0011~0.0042	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2007	48/48	48/48	0.000018~0.0013	(0.0000009)	192/192	64/64	0.0000016~0.059	(0.0000003)			Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000021~ 0.0018 Fish 0.000007~ 0.00081 Birds 0.0014~0.0032	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2008	48/48	48/48	0.000015~0.0018	(0.0000004)	192/192	64/64	0.0000028~ 0.0089	(0.0000003)			Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000023~ 0.0011 Fish 0.000004~ 0.00075 Birds 0.0013~0.0056	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)				
			2009	49/49	49/49	0.000018~0.0011	(0.0000002)	192/192	64/64	0.0000024~0.010	(0.0000005)			Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000027~ 0.0016 Fish 0.000005~ 0.00097 Birds 0.00087~0.0042	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00096~ 0.028 C.S. 0.00031~ 0.024	(W.S. 0.00003) (C.S. 0.00003)				
			2010	49/49	49/49	0.000033~0.0025	(0.0000007)	64/64	64/64	0.000011~0.0082	(0.0000008)			Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000027~ 0.0015 Fish 0.000005~ 0.00076 Birds 0.00091~0.0028	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00089~ 0.034 C.S. 0.00026~ 0.029	(W.S. 0.00009) (C.S. 0.00009)				
524	gamma-Hexachlorocyclohexane (gamma-HCH) (synonym: Lindane)	58-89-9	1974	0/60	0/12	—	(0.1)	9/60	2/12	0.01	(0.01)			Fish 2/60	Fish 2/12	Fish 0.007~0.013	(Fish 0.005)								
			1978											Bivalves 5/10 Fish 20/30 Birds 4/7	Bivalves 1/2 Fish 4/6 Birds 1/1	Bivalves 0.001~0.002 Fish 0.001~0.005 Birds 0.001~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								
			1979											Bivalves 5/15 Fish 14/40 Birds 1/6	Bivalves 1/3 Fish 4/8 Birds 1/1	Bivalves 0.008~0.009 Fish 0.001~0.007 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)								

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1980									Bivalves 5/15 Fish 26/50 Birds 2/8	Bivalves 1/3 Fish 6/10 Birds 1/1	Bivalves 0.017~0.018 Fish 0.001~0.003 Birds 0.002~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 9/20 Fish 29/46 Birds 1/7	Bivalves 2/4 Fish 6/9 Birds 1/1	Bivalves 0.001~0.004 Fish 0.001~0.004 Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 10/20 Fish 25/50 Birds 1/9	Bivalves 2/4 Fish 6/10 Birds 1/2	Bivalves 0.002~0.009 Fish 0.001~0.003 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1983									Bivalves 9/20 Fish 18/50 Birds 4/10	Bivalves 2/4 Fish 5/10 Birds 1/2	Bivalves 0.001~0.012 Fish 0.001~0.002 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 8/20 Fish 21/60 Birds 5/10	Bivalves 2/4 Fish 5/12 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.004 Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 5/20 Fish 8/60 Birds 0/10	Bivalves 1/4 Fish 3/12 Birds 0/2	Bivalves 0.002~0.003 Fish 0.001~0.002 Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 5/20 Fish 5/60 Birds 0/10	Bivalves 1/4 Fish 1/12 Birds 0/2	Bivalves 0.001~0.005 Fish 0.001~0.002 Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987									Bivalves 6/20 Fish 6/65 Birds 0/10	Bivalves 2/4 Fish 2/13 Birds 0/2	Bivalves 0.001~0.003 Fish 0.001~0.009 Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988									Bivalves 0/20 Fish 1/65 Birds 0/10	Bivalves 0/4 Fish 1/13 Birds 0/2	Bivalves - Fish 0.001 Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 4/21 Fish 0/65 Birds 4/10	Bivalves 1/5 Fish 0/13 Birds 1/2	Bivalves 0.001~0.002 Fish - Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 1/25 Fish 0/65 Birds 2/10	Bivalves 1/5 Fish 0/13 Birds 1/2	Bivalves 0.001 Fish - Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991									Bivalves 1/30 Fish 0/65 Birds 0/10	Bivalves 1/6 Fish 0/13 Birds 0/2	Bivalves 0.001 Fish - Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 0/30 Fish 3/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves - Fish 0.001~0.005 Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves - Fish - Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 0/30 Fish 0/70 Birds 4/5	Bivalves 0/6 Fish 0/14 Birds 1/1	Bivalves - Fish - Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves - Fish - Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves - Fish - Birds -	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2003	36/36	36/36	0.000032~0.00037	(0.000002)	186/186	62/62	0.0000014~0.004	(0.0000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000052~0.00013 Fish 0.0000017~0.00013 Birds 0.0000037~0.000040	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					
			2004	38/38	38/38	0.000021~0.0082	(0.000007)	189/189	63/63	0.0000008~0.0041	(0.0000005)	Bivalves 28/31 Fish 55/70 Birds 10/10	Bivalves 7/7 Fish 11/14 Birds 2/2	Bivalves 0.000010~0.00023 Fish 0.000011~0.00066 Birds 0.000011~0.0012	(Bivalves 0.000010) (Fish 0.000010) (Birds 0.000010)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					
			2005	47/47	47/47	0.000008~0.00025	(0.000005)	189/189	63/63	0.0000018~0.0064	(0.0000007)	Bivalves 31/31 Fish 78/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000057~0.00037 Fish 0.0000030~0.00023 Birds 0.0000096~0.000032	(Bivalves 0.0000028) (Fish 0.0000028) (Birds 0.0000028)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					
			2006	48/48	48/48	0.000009~0.00046	(0.000006)	192/192	64/64	0.0000014~0.0035	(0.0000007)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007~0.00014 Fish 0.000002~0.000097 Birds 0.000008~0.000029	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					
			2007	48/48	48/48	0.0000052~0.00029	(0.0000007)	192/192	64/64	0.0000006~0.0052	(0.0000004)	Bivalves 31/31 Fish 71/80 Birds 10/10	Bivalves 7/7 Fish 15/16 Birds 2/2	Bivalves 0.000004~0.00045 Fish 0.000003~0.00019 Birds 0.000008~0.00014	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					
			2008	48/48	48/48	0.000004~0.00034	(0.000001)	192/192	64/64	0.0000007~0.0022	(0.0000004)	Bivalves 31/31 Fish 70/85 Birds 10/10	Bivalves 7/7 Fish 15/17 Birds 2/2	Bivalves 0.000003~0.000098 Fish 0.000003~0.000096 Birds 0.000005~0.000019	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. - C.S. -	W.S. - C.S. -	W.S. - C.S. -	(W.S. -) (C.S. -)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2009	49/49	49/49	0.000051~0.00028	(0.000002)	191/192	64/64	0.000006~0.0038	(0.000002)	Bivalves 31/31 Fish 81/90 Birds 10/10	Bivalves 7/7 Fish 17/18 Birds 2/2	Bivalves 0.00003~0.00089 Fish 0.00003~0.00018 Birds 0.00006~0.00021	(Bivalves 0.00003) (Fish 0.00003) (Birds 0.00003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0029~0.065 C.S. 0.0015~0.055	(W.S. 0.00002) (C.S. 0.00002)					
			2010	49/49	49/49	0.00005~0.00019	(0.000002)	64/64	64/64	0.000015~0.0023	(0.000007)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00005~0.00015 Fish 0.00001~0.000056 Birds 0.00004~0.00023	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0023~0.066 C.S. 0.0011~0.06	(W.S. 0.00012) (C.S. 0.00012)					
525	delta-Hexachlorocyclohexane (delta-HCH)	319-86-8	1974	0/60	0/12	—	(0.1)	4/60	1/12	0.01	(0.01)	Fish 0/60 Bivalves 0/10 Fish 2/30 Birds 2/7	Fish 0/12 Bivalves 0/2 Fish 1/6 Birds 1/1	Fish — Bivalves — Fish 0.001 Birds 0.002~0.005	(Fish 0.005) (Bivalves 0.001) (Fish 0.001) (Birds 0.001)								525	
			1978									Bivalves 0/15 Fish 1/40 Birds 3/6	Bivalves 0/3 Fish 1/8 Birds 1/1	Bivalves — Fish 0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									Bivalves 0/15 Fish 1/50 Birds 0/8	Bivalves 0/3 Fish 1/10 Birds 0/1	Bivalves — Fish 0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 0/20 Fish 1/46 Birds 0/7	Bivalves 0/4 Fish 1/9 Birds 0/1	Bivalves — Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 1/20 Fish 0/50 Birds 0/10	Bivalves 1/4 Fish 0/10 Birds 0/2	Bivalves 0.002 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1983									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987									Bivalves 0/20 Fish 1/65 Birds 0/10	Bivalves 0/4 Fish 1/13 Birds 0/2	Bivalves — Fish 0.001 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 0/21 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 0/25 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2003	36/36	36/36	0.000011~0.00020	(0.000005)	180/186	61/62	0.000007~0.0054	(0.000007)	Bivalves 29/30 Fish 59/70 Birds 10/10	Bivalves 6/6 Fish 13/14 Birds 2/2	Bivalves 0.000013~0.0013 Fish 0.000015~0.000016 Birds 0.000012~0.000031	(Bivalves 0.000013) (Fish 0.000013) (Birds 0.000013)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2004	38/38	38/38	0.000014~0.00067	(0.000007)	189/189	63/63	0.000005~0.0055	(0.000005)	Bivalves 25/31 Fish 54/70 Birds 10/10	Bivalves 6/7 Fish 11/14 Birds 2/2	Bivalves 0.000016~0.0015 Fish 0.000017~0.00027 Birds 0.000064~0.00026	(Bivalves 0.000015) (Fish 0.000015) (Birds 0.000015)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2005	23/47	23/47	0.000034~0.000062	(0.000005)	188/189	63/63	0.000011~0.0062	(0.000003)	Bivalves 23/31 Fish 55/80 Birds 10/10	Bivalves 6/7 Fish 12/16 Birds 2/2	Bivalves 0.000017~0.0016 Fish 0.000021~0.000032 Birds 0.000010~0.000030	(Bivalves 0.000017) (Fish 0.000017) (Birds 0.000017)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2006	48/48	48/48	0.000022~0.0010	(0.000008)	189/192	64/64	0.000006~0.0060	(0.000006)	Bivalves 31/31 Fish 72/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00001~0.00089 Fish 0.00001~0.000035 Birds 0.00009~0.000021	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2007	48/48	48/48	0.000007~0.00072	(0.000004)	165/192	60/64	0.000002~0.0054	(0.000002)	Bivalves 12/31 Fish 42/80 Birds 10/10	Bivalves 4/7 Fish 10/16 Birds 2/2	Bivalves 0.00002~0.00075 Fish 0.00002~0.000031 Birds 0.00004~0.000022	(Bivalves 0.00002) (Fish 0.00002) (Birds 0.00002)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2008	48/48	48/48	0.000011~0.0019	(0.000009)	186/192	64/64	0.000001~0.0033	(0.000001)	Bivalves 7/31 Fish 54/85 Birds 10/10	Bivalves 3/7 Fish 12/17 Birds 2/2	Bivalves 0.000002~0.00061 Fish 0.000002~0.000077 Birds 0.000003~0.000031	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. — C.S. —	W.S. — C.S. —	W.S. — C.S. —	(W.S. —) (C.S. —)					
			2009	49/49	49/49	0.000007~0.00045	(0.000004)	190/192	64/64	0.000005~0.0050	(0.000005)	Bivalves 14/31 Fish 57/90 Birds 10/10	Bivalves 4/7 Fish 13/18 Birds 2/2	Bivalves 0.000002~0.00070 Fish 0.000002~0.000018 Birds 0.000003~0.000009	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00009~0.021 C.S. 0.00004~0.020	(W.S. 0.00002) (C.S. 0.00002)					
			2010	49/49	49/49	0.000009~0.00078	(0.000003)	64/64	64/64	0.000013~0.0038	(0.000005)	Bivalves 5/6 Fish 13/18 Birds 2/2	Bivalves 5/6 Fish 13/18 Birds 2/2	Bivalves 0.000001~0.00087 Fish 0.000001~0.000036 Birds 0.000011~0.000013	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00011~0.025 C.S. 0.00005~0.022	(W.S. 0.00002) (C.S. 0.00002)					
526	Hexachlorocyclopentadiene	77-47-4	1981	0/18	0/6	—	(0.2)	0/18	0/6	—	(0.02~20)												526	
527	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo-1,4-endo-5,8-dimethanonaphthalene (synonym: Endrin)	72-20-8	1974	0/60	0/12	—	(0.1)	0/60	0/12	—	(0.01)	Fish 0/60	Fish 0/12	Fish —	(Fish 0.005)								527	
			1978									Bivalves 0/10 Fish 0/30 Birds 0/7	Bivalves 0/2 Fish 0/6 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									Bivalves 6/15 Fish 7/40 Birds 0/6	Bivalves 2/3 Fish 3/8 Birds 0/1	Bivalves 0.001~0.142 Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 5/15 Fish 1/50 Birds 0/8	Bivalves 1/3 Fish 1/10 Birds 0/1	Bivalves 0.010~0.162 Fish 0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 5/20 Fish 0/46 Birds 0/7	Bivalves 1/4 Fish 0/9 Birds 0/1	Bivalves 0.006~0.057 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 5/20 Fish 0/50 Birds 0/9	Bivalves 1/4 Fish 0/10 Birds 0/2	Bivalves 0.006~0.015 Fish — Birds —	(Bivalves 0.001) (Fish 0.001~0.003) (Birds 0.001)									
			1983									Bivalves 5/20 Fish 0/50 Birds 0/10	Bivalves 1/4 Fish 0/10 Birds 0/2	Bivalves 0.012~0.014 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 5/20 Fish 0/60 Birds 0/10	Bivalves 1/4 Fish 0/12 Birds 0/2	Bivalves 0.032~0.055 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 5/20 Fish 0/60 Birds 0/10	Bivalves 1/4 Fish 0/12 Birds 0/2	Bivalves 0.018~0.033 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 4/20 Fish 0/60 Birds 0/10	Bivalves 1/4 Fish 0/12 Birds 0/2	Bivalves 0.002~0.021 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987									Bivalves 5/20 Fish 0/65 Birds 0/10	Bivalves 1/4 Fish 0/13 Birds 0/2	Bivalves 0.008~0.012 Fish — Birds —	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)									
			1988									Bivalves 1/20 Fish 0/65 Birds 0/10	Bivalves 1/4 Fish 0/13 Birds 0/2	Bivalves 0.010 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 4/21 Fish 0/65 Birds 0/10	Bivalves 1/5 Fish 0/13 Birds 0/2	Bivalves 0.002~0.015 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991									Bivalves 5/30 Fish 0/65 Birds 0/10	Bivalves 1/6 Fish 0/13 Birds 0/2	Bivalves 0.004~0.010 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993									Bivalves 5/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.004~0.018 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	101/114	36/38	0.000020~0.000031	(0.000020)	141/189	54/63	0.000002~0.019	(0.000002)	Bivalves 35/38 Fish 54/70 Birds 7/10	Bivalves 7/8 Fish 13/14 Birds 2/2	Bivalves 0.000008~0.012 Fish 0.000006~0.00018 Birds 0.000008~0.000099	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	90/102	32/34	0.000051~0.0025	(0.000030)					
			2003	36/36	36/36	0.000007~0.000078	(0.000003)	150/186	53/62	0.0000021~0.029	(0.000002)	Bivalves 30/30 Fish 67/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000063~0.0050 Fish 0.0000018~0.00018 Birds 0.0000054~0.000096	(Bivalves 0.000016) (Fish 0.0000016) (Birds 0.000016)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000081~0.0062 C.S. 0.000042~0.0021	(W.S. 0.000014) (C.S. 0.000014)					
			2004	38/38	38/38	0.000007~0.00010	(0.000005)	182/189	63/63	0.000009~0.0069	(0.000009)	Bivalves 31/31 Fish 57/70 Birds 5/10	Bivalves 7/7 Fish 13/14 Birds 1/2	Bivalves 0.0000057~0.0046 Fish 0.0000045~0.00022 Birds 0.000049~0.000062	(Bivalves 0.0000042) (Fish 0.0000042) (Birds 0.0000042)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.000054~0.0065 C.S. 0.000058~0.0019	(W.S. 0.000048) (C.S. 0.000048)					
			2005	45/47	45/47	0.000006~0.00012	(0.000004)	170/189	61/63	0.000009~0.019	(0.000009)	Bivalves 27/31 Fish 58/80 Birds 7/10	Bivalves 7/7 Fish 12/16 Birds 2/2	Bivalves 0.0000057~0.0021 Fish 0.0000055~0.0021 Birds 0.000012~0.000064	(Bivalves 0.0000055) (Fish 0.0000055) (Birds 0.0000055)	W.S. 27/37 C.S. 8/37	W.S. 27/37 C.S. 8/37	W.S. 0.0002~0.0029 C.S. 0.0002~0.0007	(W.S. 0.0002) (C.S. 0.0002)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2006	44/48	44/48	0.000004~0.000026	(0.000004)	178/192	63/64	0.000001~0.061	(0.000001)	Bivalves 31/31 Fish 66/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000005~0.0031 Fish 0.000004~0.00015 Birds 0.000004~0.000057	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 32/37 C.S. 7/37	W.S. 32/37 C.S. 7/37	W.S. 0.00010~0.0054 C.S. 0.00019~0.0050	(W.S. 0.00010) (C.S. 0.00010)					
			2007	46/48	46/48	0.0000007~0.000025	(0.0000006)	151/192	55/64	0.000002~0.061	(0.000002)	Bivalves 31/31 Fish 69/80 Birds 9/10	Bivalves 7/7 Fish 15/16 Birds 2/2	Bivalves 0.000006~0.0030 Fish 0.000003~0.00017 Birds 0.000004~0.000055	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 36/36 C.S. 33/36	W.S. 36/36 C.S. 33/36	W.S. 0.00006~0.0063 C.S. 0.00005~0.0015	(W.S. 0.00004) (C.S. 0.00004)					
			2008	45/48	45/48	0.000001~0.000020	(0.000001)	168/192	61/64	0.0000008~0.038	(0.0000007)	Bivalves 31/31 Fish 63/85 Birds 5/10	Bivalves 7/7 Fish 14/17 Birds 1/2	Bivalves 0.000006~0.0015 Fish 0.000004~0.00020 Birds 0.000052~0.000083	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.00006~0.0046 C.S. 0.00005~0.0018	(W.S. 0.00004) (C.S. 0.00004)					
			2009	39/49	39/49	0.0000004~0.000067	(0.0000003)	168/192	63/64	0.0000006~0.011	(0.0000006)	Bivalves 31/31 Fish 86/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000005~0.0014 Fish 0.000003~0.00027 Birds 0.000003~0.000043	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 36/37 C.S. 36/37	W.S. 36/37 C.S. 36/37	W.S. 0.00006~0.0034 C.S. 0.00004~0.0018	(W.S. 0.00004) (C.S. 0.00004)					
528	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4-endo-5,8-dimethano naphthalene (synonym: Dieldrin)	60-57-1	1974	0/60	0/12	—	(0.1)	0/60	0/12	—	(0.01)	Fish 0/60	Fish 0/12	Fish —	(Fish 0.005)									528
			1978									Bivalves 5/10 Fish 22/30 Birds 1/7	Bivalves 1/2 Fish 5/6 Birds 1/1	Bivalves 0.002~0.003 Fish 0.001~0.010 Birds 0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									Bivalves 10/15 Fish 30/40 Birds 6/6	Bivalves 2/3 Fish 6/8 Birds 1/1	Bivalves 0.002~0.685 Fish 0.001~0.018 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 9/15 Fish 30/50 Birds 5/8	Bivalves 2/3 Fish 6/10 Birds 1/1	Bivalves 0.001~0.094 Fish 0.001~0.046 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 10/20 Fish 12/46 Birds 7/7	Bivalves 2/4 Fish 5/9 Birds 1/1	Bivalves 0.002~0.245 Fish 0.001~0.023 Birds 0.001~0.021	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 10/20 Fish 20/50 Birds 4/9	Bivalves 2/4 Fish 4/10 Birds 1/2	Bivalves 0.001~0.088 Fish 0.002~0.019 Birds 0.057~0.124	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1983									Bivalves 10/20 Fish 27/50 Birds 10/10	Bivalves 2/4 Fish 6/10 Birds 2/2	Bivalves 0.002~0.082 Fish 0.001~0.011 Birds 0.001~0.037	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 10/20 Fish 30/60 Birds 5/10	Bivalves 2/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.345 Fish 0.001~0.018 Birds 0.022~0.037	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 11/20 Fish 27/60 Birds 5/10	Bivalves 3/4 Fish 7/12 Birds 1/2	Bivalves 0.001~0.181 Fish 0.001~0.013 Birds 0.019~0.031	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	—			1/18	0.0017		Bivalves 10/20 Fish 25/60 Birds 8/10	Bivalves 2/4 Fish 6/12 Birds 2/2	Bivalves 0.003~0.243 Fish 0.001~0.005 Birds 0.001~0.013	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		0/20	—			3/20	0.00014~0.0034		Bivalves 12/20 Fish 23/65 Birds 5/10	Bivalves 3/4 Fish 7/13 Birds 1/2	Bivalves 0.001~0.067 Fish 0.001~0.003 Birds 0.013~0.031	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988		0/22	—			1/22	0.00056		Bivalves 8/20 Fish 19/65 Birds 6/10	Bivalves 2/4 Fish 6/13 Birds 2/2	Bivalves 0.001~0.069 Fish 0.001~0.005 Birds 0.001~0.035	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989		1/17	0.011			1/17	0.0019		Bivalves 10/21 Fish 35/65 Birds 7/10	Bivalves 2/5 Fish 9/13 Birds 2/2	Bivalves 0.001~0.091 Fish 0.001~0.007 Birds 0.001~0.010	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990		0/18	—			0/18	—		Bivalves 12/25 Fish 20/65 Birds 5/10	Bivalves 3/5 Fish 6/13 Birds 1/2	Bivalves 0.001~0.110 Fish 0.001~0.012 Birds 0.007~0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991		0/18	—			2/18	0.0020~0.0022		Bivalves 15/30 Fish 22/65 Birds 9/10	Bivalves 3/6 Fish 6/13 Birds 2/2	Bivalves 0.001~0.046 Fish 0.001~0.009 Birds 0.001~0.012	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992		0/18	—			4/18	0.00052~0.0034		Bivalves 10/30 Fish 16/70 Birds 7/10	Bivalves 2/6 Fish 5/14 Birds 2/2	Bivalves 0.003~0.150 Fish 0.001~0.003 Birds 0.001~0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993		0/19	—			4/19	0.000079~0.003		Bivalves 10/30 Fish 25/70 Birds 7/10	Bivalves 2/6 Fish 7/14 Birds 2/2	Bivalves 0.002~0.16 Fish 0.001~0.005 Birds 0.001~0.009	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994		0/17	—			1/17	0.0049		Bivalves 10/30 Fish 12/70 Birds 0/5	Bivalves 2/6 Fish 4/14 Birds 0/1	Bivalves 0.001~0.210 Fish 0.001~0.004 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995		0/18	—			2/18	0.00071~0.0092		Bivalves 5/30 Fish 10/70 Birds 5/10	Bivalves 1/6 Fish 4/14 Birds 1/2	Bivalves 0.080~0.170 Fish 0.001~0.003 Birds 0.002~0.010	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996		0/18	—			1/18	0.00162		Bivalves 10/30 Fish 9/70 Birds 6/10	Bivalves 2/6 Fish 4/14 Birds 2/2	Bivalves 0.001~0.071 Fish 0.001~0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1997		0/18	—			3/18	0.00029~0.00329														
			1998		0/18	—			2/18	0.00028~0.0011		Bivalves 8/30 Fish 6/70 Birds 5/10	Bivalves 2/6 Fish 2/14 Birds 1/2	Bivalves 0.001~0.055 Fish 0.001~0.002 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999						1/18	0.00056														

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number				
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit		
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site					
			2000						1/17	0.0018			Bivalves 5/30 Fish 10/70 Birds 2/10	Bivalves 1/6 Fish 2/14 Birds 1/2	Bivalves 0.038~0.160 (Bivalves 0.001) (Fish 0.001) (Birds 0.001)											
			2001						1/20	0.00067			Bivalves 10/30 Fish 8/72 Birds 8/10	Bivalves 2/6 Fish 5/15 Birds 2/2	Bivalves 0.002~0.071 (Bivalves 0.001) (Fish 0.001) (Birds 0.001)											
			2002	114/114	38/38	0.0000033~0.00094	(0.0000006)	189/189	63/63	0.000004~0.0023	(0.000001)		Bivalves 38/38  Fish 70/70 Birds 10/10	Bivalves 8/8  Fish 14/14 Birds 2/2	Bivalves 0.000007~0.19 (Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	102/102	34/34	0.00073~0.11	(0.00020)							
			2003	36/36	36/36	0.0000097~0.00051	(0.0000003)	184/186	62/62	0.0000023~0.0091	(0.000002)		Bivalves 30/30  Fish 70/70 Birds 10/10	Bivalves 6/6  Fish 14/14 Birds 2/2	Bivalves 0.000046~0.078 (Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)	W.S. 35/35	W.S. 35/35	W.S. 0.0021~0.26	(W.S. 0.00070)							
			2004	38/38	38/38	0.000009~0.00043	(0.0000005)	189/189	63/63	0.0000019~0.0037	(0.0000009)		Bivalves 31/31  Fish 70/70 Birds 10/10	Bivalves 7/7  Fish 14/14 Birds 2/2	Bivalves 0.000042~0.069 (Bivalves 0.000010) (Fish 0.000010) (Birds 0.000010)	W.S. 37/37	W.S. 37/37	W.S. 0.0011~0.28	(W.S. 0.00011)							
			2005	47/47	47/47	0.0000045~0.00063	(0.00000034)	189/189	63/63	0.000002~0.0042	(0.000001)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000034~0.039 (Bivalves 0.0000034) (Fish 0.0000034) (Birds 0.0000034)	W.S. 37/37	W.S. 37/37	W.S. 0.0015~0.20	(W.S. 0.00024)							
			2006	48/48	48/48	0.000006~0.00080	(0.000001)	192/192	64/64	0.0000017~0.0015	(0.0000010)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000030~0.047 (Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37	W.S. 37/37	W.S. 0.0015~0.29	(W.S. 0.0001)							
			2007	48/48	48/48	0.0000031~0.00075	(0.0000007)	192/192	64/64	0.0000012~0.0027	(0.0000009)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000037~0.077 (Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 36/36	W.S. 36/36	W.S. 0.0013~0.31	(W.S. 0.00007)							
			2008	48/48	48/48	0.0000036~0.00045	(0.0000006)	192/192	64/64	0.0000007~0.0029	(0.0000005)		Bivalves 31/31  Fish 85/85 Birds 10/10	Bivalves 7/7  Fish 17/17 Birds 2/2	Bivalves 0.000047~0.024 (Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37	W.S. 37/37	W.S. 0.0016~0.22	(W.S. 0.00009)							
			2009	49/49	49/49	0.0000027~0.00065	(0.0000002)	192/192	64/64	0.0000011~0.0030	(0.0000003)		Bivalves 31/31  Fish 90/90 Birds 10/10	Bivalves 7/7  Fish 18/18 Birds 2/2	Bivalves 0.000048~0.028 (Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37	W.S. 37/37	W.S. 0.00091~0.15	(W.S. 0.00002)							
529	Hexachloroethane	67-72-1	1976	0/60	0/13	—	(0.1~5)	0/40	0/11	—	(0.01~0.3)		Fish 0/10	Fish 0/2	Fish —	(Fish 0.3)										529
530	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene (synonym: Aldrin)	309-00-2	1974	0/60	0/12	—	(0.1)	0/60	0/12	—	(0.01)		Fish 0/60	Fish 0/12	Fish —	(Fish 0.005)										530
			1978										Bivalves 0/10 Fish 0/30 Birds 1/7	Bivalves 0/2 Fish 0/6 Birds 1/1	Bivalves — Fish — Birds 0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1979										Bivalves 0/15 Fish 0/40 Birds 0/6	Bivalves 0/3 Fish 0/8 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1980										Bivalves 0/15 Fish 0/50 Birds 0/8	Bivalves 0/3 Fish 0/10 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1981										Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1982										Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1983										Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1984										Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1985										Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1986										Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1987										Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1988										Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1989										Bivalves 0/21 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1991										Bivalves 0/30 Fish 0/65 Birds 0/10	Bivalves 0/6 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1993										Bivalves 0/30 Fish 4/70 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves — Fish 0.001~0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			2002	93/114	37/38	0.00000004~0.000018	(0.0000002)	149/189	56/63	0.000002~0.00057	(0.000002)		Bivalves 12/38  Fish 1/70 Birds 0/10	Bivalves 4/8  Fish 1/14 Birds 0/2	Bivalves 0.0000017~0.000034 (Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	41/102	19/34	0.000029~0.00032	(0.000020)							

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number				
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit		
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site					
			2003	34/36	34/36	0.000003~0.0000038	(0.000002)	178/186	60/62	0.000006~0.001	(0.000006)	Bivalves 15/30	Bivalves 3/6	Bivalves 0.000017~0.000051	(Bivalves 0.0000084)	W.S. 34/35	W.S. 34/35	W.S. 0.000057~0.028	(W.S. 0.000077)							
			2004	33/38	33/38	0.000006~0.000013	(0.000004)	170/189	62/63	0.000006~0.00039	(0.000006)	Bivalves 16/31	Bivalves 4/7	Bivalves 0.000016~0.000046	(Bivalves 0.000013)	W.S. 15/37	W.S. 15/37	W.S. 0.00030~0.014	(W.S. 0.00005)							
			2005	32/47	32/47	0.000001~0.000057	(0.000003)	173/189	62/63	0.000005~0.00050	(0.000005)	Bivalves 11/31	Bivalves 3/7	Bivalves 0.000013~0.000084	(Bivalves 0.000012)	W.S. 29/37	W.S. 29/37	W.S. 0.00021~0.010	(W.S. 0.00003)							
			2006	18/48	18/48	0.0000030~0.0000044	(0.000006)	184/192	64/64	0.000006~0.00033	(0.000006)	Bivalves 11/31	Bivalves 3/7	Bivalves 0.000002~0.000019	(Bivalves 0.000002)	W.S. 31/37	W.S. 31/37	W.S. 0.00007~0.0085	(W.S. 0.00005)							
			2007	34/48	34/48	0.000003~0.0000095	(0.000003)	172/192	60/64	0.000006~0.00033	(0.000006)	Bivalves 5/31	Bivalves 2/7	Bivalves 0.000002~0.000026	(Bivalves 0.000002)	W.S. 35/36	W.S. 35/36	W.S. 0.00005~0.019	(W.S. 0.00002)							
			2008	26/48	26/48	0.0000008~0.000021	(0.000006)	153/192	56/64	0.000001~0.00037	(0.000001)	Bivalves 5/31	Bivalves 3/7	Bivalves 0.000002~0.000020	(Bivalves 0.000002)	W.S. 25/25	W.S. 25/25	W.S. 0.00002~0.0094	(W.S. 0.00002)							
			2009	32/49	32/49	0.000004~0.000022	(0.000003)	180/192	64/64	0.000002~0.00054	(0.000002)	Bivalves 16/31	Bivalves 6/7	Bivalves 0.000008~0.000089	(Bivalves 0.000008)	W.S. 10/25	W.S. 10/25	W.S. 0.00033~0.010	(W.S. 0.00002)							
531	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxides (synonym: Endosulfan or Zoexopin)	115-29-7	1982	0/39	0/13	—	( <i>alpha</i> -isomer 0.0040~0.025) ( <i>beta</i> -isomer 0.014~0.06)	0/39	0/13	—	( <i>alpha</i> -isomer 0.00020~0.001) ( <i>beta</i> -isomer 0.00070~0.003)															531
531-1	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide ( <i>alpha</i> -isomer)	959-98-8	1992												0/55	0/18	—	(30)								531-1
531-2	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide ( <i>beta</i> -isomer)	33213-65-9	1992												0/55	0/18	—	(30)								531-2
532	Hexachlorophene	70-30-4	1981	0/33	0/11	—	(0.005~5)	33/33	11/11	0.005~0.42	(0.003)															532
			1982	0/126	0/42	—	(0.005)	45/126	18/42	0.006~0.500	(0.003)	Fish 0/126	Fish 0/36	Fish —	(Fish 0.003)											
			1996	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.015)															
533	4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene (synonym: <i>gamma</i> -Chlordene)	3734-48-3	1982	0/126	0/42	—	(0.005)	27/126	14/42	0.0002~0.0040	(0.0002~0.001)	Fish 37/113	Fish 16/35	Fish 0.001~0.021	(Fish 0.001)											533
			1986												9/73	4/12	0.50~1.8	(0.5)								
534	Hexahydro-1H-azepine	111-49-9	1986	0/30	0/10	—	(5)	0/24	0/8	—	(0.03)															534
535	Hexahydro-1,3,5-trinitro-1,3,5-triazine (synonym: Cyclonite)	121-82-4	2006	0/15	0/5	—	(0.022)								0/15	0/5	—	(1.9)								535
536	Hexamethylenediamine	124-09-4	1987	0/87	0/29	—	(2)	0/87	0/29	—	(0.46)															536
	Hexamethyleneimine	See Hexahydro-1H-azepine																								
	Hexamethylenetetramine	See 1,3,5,7-Tetraazatricyclo[3.3.1.1(3.7)]decane																								
537	Hexane	110-54-3	2004	0/60	0/20	—	(0.008)								52/53	18/18	140~44,000	(90)								537
538	4'-Hexyl[1,1'-biphenyl]-4-carbonitrile	41122-70-7	1985	0/27	0/9	—	(2)	0/27	0/9	—	(0.05)															538
	Hexylene glycol	See 2-Methyl-2,4-pentanediol																								
	4-(4-Hexylphenyl)benzonitrile	See 4'-Hexyl[1,1'-biphenyl]-4-carbonitrile																								
539	Hydrazine	302-01-2	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.2)															539
			2005	0/9	0/3	—	(0.0013)	14/17	6/6	0.00038~0.066	(0.00065)															
			2006									Bivalves & Fish 24/30	Bivalves & Fish 9/10	Bivalves & Fish 0.0013~0.095	(Bivalves & Fish 0.0012)							Food 146/178		Food 0.0095~0.80 ng/g-wet (Drinking water 0.77~2.7ng/L)	(Food 0.0066~0.0095) (Drinking water 0.68)	
540	Hydrazobenzene	122-66-7	1986	0/30	0/10	—	(0.6)	0/30	0/10	—	(0.3)															540
541	Hydrogenated terphenyls	61788-32-7	1977	0/15	0/5	—	(10~20)	0/15	0/5	—	(0.5~2)															541
			(2006)									Bivalves & Fish 5/30	Bivalves & Fish 2/10	Bivalves & Fish 0.00010~0.00081	(Bivalves & Fish 0.00052*)											
			(2007)	11/39	6/13	0.000093~0.00075	(0.0013*)	24/33	9/11	0.000055~0.082	(0.00035*)															
541-1	Hydrogenated terphenyl (HT242a)**		2006									Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00018	(Bivalves & Fish 0.00008)											541-1
			2007	2/39	1/13	0.00019~0.00023	(0.00018)	18/33	8/11	0.000074~0.020	(0.000068)															
541-2	Hydrogenated terphenyl (HT242b)**		2006									Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00016	(Bivalves & Fish 0.00009)											541-2
			2007	5/39	3/13	0.00012~0.00019	(0.000093)	18/33	8/11	0.000072~0.0088	(0.000064)															
541-3	Hydrogenated terphenyl (HT242c)**		2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00002)											541-3
			2007	0/39	0/13	—	(0.000050)	2/33	2/11	0.00043~0.00074	(0.000019)															
541-4	Hydrogenated terphenyl (HT242d)**		2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00005)											541-4
			2007	0/39	0/13	—	(0.00065)	14/33	6/11	0.00018~0.0071	(0.000046)															
541-5	Hydrogenated terphenyl (HT263a)**		2006									Bivalves & Fish 5/30	Bivalves & Fish 2/10	Bivalves & Fish 0.00010~0.00034	(Bivalves & Fish 0.00010)											541-5
			2007	1/39	1/13	0.000074	(0.000056)	8/33	5/11	0.00018~0.0019	(0.000028)															

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)			Sediment (µg/g-dry)			Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit			
				Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site
541-6	Hydrogenated terphenyl (HT263b)**		2006																		541-6	
			2007	3/39	3/13	0.00012~0.00017	(0.00011)	21/33	8/11	0.00017~0.023	(0.000086)	Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00013	(Bivalves & Fish 0.00009)							
541-7	Hydrogenated terphenyl (HT263c)**		2006																		541-7	
			2007	0/39	0/13	—	(0.00016)	15/33	6/11	0.000079~0.016	(0.000026)	Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00009)							
542	Hydroquinone	123-31-9	1996	0/168	0/56	—	(0.36)	36/164	17/55	0.018~0.76	(0.017)										542	
			2009	69/69	23/23	0.0035~0.075	(0.0015)															
	2-(2'-Hydroxy-3',5'-di- <i>tert</i> -butylphenyl)-5-chlorobenzotriazol	See Di- <i>tert</i> -butyl-6-(5-chloro-2 <i>H</i> -benzotriazol-2-yl)phenol																				
543	2-Hydroxyethyl methacrylate	868-77-9	1999	3/27	1/9	0.12~0.51	(0.025)	0/27	0/9	—	(0.0014)										543	
544	3-Hydroxy-2-naphthamide (synonym: Azoic CC-2 or Naphthol AS)		1984	0/24	0/8	—	(0.1~0.4)	0/24	0/8	—	(0.01~0.03)										544	
	2-Hydroxy-3-naphthoic acid anilide	See 3-Hydroxy-2-naphthamide																				
	(2-Hydroxy-3-naphthoyl)-3-chloro-4,6-dimethoxyanilide	See 5'-Chloro-3-hydroxy-2',4'-dimethoxy-2-naphthamide																				
	(2-Hydroxy-3-naphthoyl)-4-chloro-2-methoxyanilide	See 4'-Chloro-3-hydroxy-2'-methyl-2-naphthamide																				
	(2-Hydroxy-3-naphthoyl)-5-chloro-2-methoxyanilide	See 5'-Chloro-3-hydroxy-2'-methoxy-2-naphthamide																				
	(2-Hydroxy-3-naphthoyl)-3-nitroanilide	See 3-Hydroxy-3'-nitro-2-naphthamide																				
545	3-Hydroxy-3'-nitro-2-naphthamide (synonym: Azoic CC-17)	135-65-9	1984	0/24	0/8	—	(0.1~0.4)	0/24	0/8	—	(0.01~0.03)										545	
	IBP	See <i>S</i> -Benzyl <i>O</i> , <i>O</i> -diisopropyl thiophosphate																				
546	2-Imidazolidinethione	96-45-7	1983	0/33	0/11	—	(0.8~40)	0/33	0/11	—	(0.02~0.51)										546	
			1992	0/42	0/14	—	(0.2)	6/42	2/14	0.004~0.029	(0.004)											
	2-Imidazoline-2-thiol	See 2-Imidazolidinethione																				
	2,2'-Iminodiethanol	See Diethanolamine																				
547	Indium and its compounds (as Indium)	7440-74-6 etc.	2006	0/12	0/4	—	(0.0015)							15/15	5/5	0.011~0.55	(0.007)				547	
548	Iodomethane	74-88-4	1980											4/27	3/6	20~66	(1~20)				548	
549	3-Iodo-2-propynyl butylcarbamate	55406-53-6	2005	0/12	0/4	—	(0.080)														549	
550	Iopanoic acid	96-83-3	2010	0/48	0/16	—	(0.0096)														550	
	Iprobenphos	See <i>S</i> -Benzyl <i>O</i> , <i>O</i> -diisopropyl thiophosphate																				
551	Isobenzan	297-78-9	1974	0/60	0/12	—	(0.1)	0/60	0/12	—	(0.01)	Fish 0/60	Fish 0/12	Fish —	(Fish 0.005)						551	
552	Isobutyl acetate	110-19-0	2000																		552	
			2006																			
553	Isobutyl alcohol	78-83-1	2008																		553	
554	Isobutyl formate	542-55-2	1981	0/9	0/3	—	(45)	0/9	0/3	—	(0.45)										554	
555	Isobutyl 4-hydroxybenzoate	4247-02-3	2000	0/33	0/11	—	(0.023)	0/30	0/10	—	(2.3)	Fish 0/28	Fish 0/10	Fish —	(Fish 2.6)						555	
	Isobutyl <i>p</i> -oxybenzoate	See Isobutyl 4-hydroxybenzoate																				
	Isobutyronitrile	See 2-Methylpropanitrile																				
556	Isocyanuric acid	108-80-5	1983	0/30	0/10	—	(2~4)	0/30	0/10	—	(0.025~0.24)										556	
	Isophorone	See 3,5,5-Trimethyl-2-cyclohexen-1-one																				
557	Isophthalic acid	121-91-5	1983	0/24	0/8	—	(1~20)	0/24	0/8	—	(0.02~0.1)										557	
558	Isophthalonitrile	626-17-5	1977	0/6	0/2	—	(1~5)	0/6	0/2	—	(0.1~1)										558	
559	Isoprene	78-79-5	1978	0/12	0/4	—	(1)	0/12	0/4	—	(0.001~0.0039)										559	
			2002	0/42	0/14	—	(0.1)	0/42	0/14	—	(0.010)											
			2003																			
	Isopropcarb	See 2-Isopropylphenyl <i>N</i> -methylcarbamate																				
	Isopropanolamine	See 1-Amino-2-propanol																				
	Isopropenylbenzene	See <i>alpha</i> -Methylstyrene																				
	Isopropyl alcohol	See 2-Propanol																				
560	Isopropylamine	75-31-0	1980	0/27	0/9	—	(0.5~33)	0/27	0/9	—	(0.001~0.18)										560	
			1981	0/27	0/9	—	(0.6~4)	0/27	0/9	—	(0.006~0.01)											
	Isopropylbenzene	See Cumene																				
561	3-Isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxide (synonym: Bentazon)	25057-89-0	1992	1/75	1/25	6.7	(2)	0/75	0/25	—	(0.2)	Fish 0/72	Fish 0/24	Fish —	(Fish 0.15)						561	
562	Isopropyl 4-hydroxybenzoate	4191-73-5	2000	0/33	0/11	—	(0.018)	0/33	0/11	—	(2.1)	Fish 0/28	Fish 0/10	Fish —	(Fish 1.6)						562	
563	2,2'-(Isopropylidenebis[2,6-dibromo-4,1-phenyleneoxy])diethanol	4162-45-2	1986	2/30	1/10	0.02~0.04	(0.02)	0/30	0/10	—	(0.02)										563	
			2005	0/15	0/5	—	(0.020)	0/27	0/9	—	(0.011)											
564	4,4'-Isopropylidenediphenol (synonym: Bisphenol A)	80-05-7	1976	0/60	0/12	—	(0.05~0.1)	0/50	0/10	—	(0.0002~0.005)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.005)						564	
			1996	41/148	18/50	0.010~0.268	(0.01)	79/163	33/55	0.0054~0.60	(0.005)	Fish 7/159	Fish 3/51	Fish 0.015~0.2873	(Fish 0.013)	0/18	0/6	—	(24)			
			2005	26/30	9/10	0.0027~1.0	(0.0024)															
565	2-Isopropylphenyl naphthalene	2027-17-0	1984	0/18	0/6	—	(0.006~0.2)	1/18	1/6	0.021	(0.0004~0.012)										565	
			1985	0/141	0/47	—	(0.2)	1/141	1/47	0.032	(0.03)	Fish 3/120	Fish 1/37	Fish 0.002	(Fish 0.002)							
	Isopropyl <i>p</i> -oxybenzoate	See Isopropyl 4-hydroxybenzoate																				
566	2-Isopropoxyphenyl <i>N</i> -methylcarbamate (synonym: PHC)	114-26-1	1988	0/75	0/25	—	(0.3)	0/69	0/23	—	(0.0103)										566	
			1994	0/39	0/13	—	(0.02)	0/39	0/13	—	(0.0033)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.001)	0/72	0/12	—	(7.0)			
	2-Isopropylphenyl methylcarbamate	See 2-Isopropylphenyl <i>N</i> -methylcarbamate																				
567	2-Isopropylphenyl <i>N</i> -methyl carbamate (synonym: MIPC or Isopropcarb)	2631-40-5	1988	0/75	0/25	—	(0.3)	0/69	0/23	—	(0.0103)										567	
	Isoprothiolane	See diisopropyl 1,3-dithiolan-2-ylidene malonate																				
	Isoxathion	See <i>O</i> , <i>O</i> -Diethyl <i>O</i> -(5-phenyl-3-isoxazolyl) thiophosphate																				
	Kelthane	See 2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol																				
	Kepone	See Chlordecone																				
	Kitazin P	See <i>S</i> -Benzyl <i>O</i> , <i>O</i> -diisopropyl thiophosphate																				
	LAS	See Alkylbenzene sulfonates (Linear alkylbenzene sulfonates)																				
568	Lead and its compounds (as Lead)	7439-92-1 etc.	1978																		568	
			1979																			
			1980																			
	Lindane	See <i>gamma</i> -Hexachlorocyclohexane																				
	Linear alkylbenzene sulfonates	See Alkylbenzene sulfonates (Linear alkylbenzene sulfonates)																				
	Linear decylbenzene sulphonates	See Alkylbenzene sulfonates (Linear decylbenzene sulfonates)																				
	Linear dodecylbenzene sulphonate	See Alkylbenzene sulfonates (Linear dodecylbenzene sulfonates)																				

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)			Sediment (µg/g-dry)			Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)			Air (ng/m <sup>3</sup> )			Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			
	Linear tetradecylbenzene nesulphonate	See Alkylbenzene sulfonates (Linear tetradecylbenzene sulfonates)																		
	Linear tridecylbenzene sulphonate	See Alkylbenzene sulfonates (Linear tridecylbenzene sulfonates)																		
	Linear undecylbenzene sulphonate	See Alkylbenzene sulfonates (Linear undecylbenzene sulfonates)																		
	Malathion	See <i>O,O</i> -Dimethyl <i>S</i> -1,2-bis(ethoxycarbonyl)ethyl dithiophosphate																		
569	Maleic acid	110-16-7	1983	0/24	0/8	—	(1~50)	0/24	0/8	—	(0.05~0.25)							569		
	Maneb	See <i>N,N'</i> -Ethylenbis(dithiocarbamic acid) and its salts																		
570	Manganese and its compounds (as Manganese)	7439-96-5 etc.	1974	45/60	9/12	2~79	(5)	60/60	12/12	55~1,300								570		
	Manzeb	See <i>N,N'</i> -Ethylenbis(dithiocarbamic acid) and its salts																		
571	MCPPlankton (synonym: Mecoprop)	93-65-2	1996	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.02)							571		
	Mecoprop	See MCPPP																		
572	Melamine	108-78-1	1986	21/30	7/10	0.1~1.6	(0.1)	2/30	1/10	0.088~0.13	(0.07)							572		
			1987	89/150	33/50	0.1~7.6	(0.1)	36/117	18/40	0.01~0.32	(0.01)	Fish 13/144	Fish 3/45	Fish 0.06~0.55	(Fish 0.05)					
			1988																	
			1994	43/150	23/51	0.11~6.4	(0.11)	29/160	12/54	0.015~0.40	(0.015)	Fish 12/148	Fish 5/49	Fish 0.020~0.075	(Fish 0.02)	12/39	7/13		2.0~55	(2)
	MEP	See <i>O,O</i> -Dimethyl <i>O</i> -(3-methyl-4-nitrophenyl) thiophosphate																		
573	Mercaptoacetic acid	68-11-1	2007	9/15	3/5	0.0016~0.024	(0.0011)											573		
574	2-Mercaptobenzimidazole	583-39-1	1978	0/45	0/15	—	(0.25~50)	0/39	0/13	—	(0.017~2.5)							574		
	2-Mercaptobenzothiazole	See Benzothiazole-2-thione																		
	2-Mercaptoimidazole	See 2-Imidazolidinethione																		
575	Mercury and its compounds (as Mercury)	7439-97-6 etc.	1978															575		
			1979																	
			1980																	
	Mesitylene	See 1,3,5-Trimethylbenzene																		
	Mesityl oxide	See 4-Methyl-3-penten-2-one																		
576	Methacrylic acid	79-41-4	1987	0/75	0/25	—	(6)	0/75	0/25	—	(0.14)							576		
			2002																	
577	Methacrylonitrile	126-98-7	1987	0/75	0/25	—	(0.7)	0/75	0/25	—	(0.014)							577		
	Methanethiol	See Methyl mercaptan																		
578	Methanol	67-56-1	1995															578		
	Methidathion	See <i>S</i> -(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl- <i>O,O</i> -dimethyl dithiophosphate																		
	Methomyl	See <i>S</i> -Methyl <i>N</i> -(methylcarbamoyloxy)thioacetimidate																		
579	3-Methoxyaniline	536-90-3	1976	3/68	2/20	0.016~0.028	(0.01~0.2)	6/68	3/20	0.0004~0.018	(0.0002~0.0016)							579		
			1990	5/48	2/16	0.02~0.058	(0.02)	0/57	0/19	—	(0.02)	Fish 1/54	Fish 1/18	Fish 0.0046	(Fish 0.002)	0/51	0/17		—	(500)
580	4-Methoxybenzaldehyde		2010	0/51	0/17	—	(0.014)											580		
581	2-Methoxy-4- <i>H</i> -1,3,2-benzodioxaphosphorin-2-sulfide (synonym: salithion)	3811-49-2	1993															581		
582	3-Methoxy-1-butanol	2517-43-3	1980	0/27	0/9	—	(2.5~10)	0/27	0/9	—	(0.025~0.6)							582		
583	3-Methoxybutyl acetate	4435-53-4	1980	0/27	0/9	—	(2.5~10)	0/27	0/9	—	(0.025~0.8)							583		
			1995	0/33	0/11	—	(0.2)													
	Methoxybutyl acetate	See 3-Methoxybutyl acetate																		
584	Methoxychlor	72-43-5	1985	0/27	0/9	—	(0.01)	0/27	0/9	—	(0.02)							584		
			2005	0/126	0/42	—	(0.0020)	1/105	1/35	0.0073	(0.0026)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.0018)					
	2-Methoxyethanol	See Ethylene glycol mono methyl ether																		
585	2-(2-(2-methoxyethoxy)ethoxy)-ethanol	112-35-6	1988	0/75	0/25	—	(4.1)	0/75	0/25	—	(0.23)							585		
586	2-Methoxyethyl acetate	110-49-6	1986	0/30	0/10	—	(0.7)	0/30	0/10	—	(0.2)							586		
587	9-Methoxy-7- <i>H</i> -furo[3,2- <i>g</i> ] [1]benzopyran-7-one (synonym: Meladinine)	298-81-7	2006	0/42	0/14	—	(0.01)											587		
588	2-Methoxy-5-methylaniline	120-71-8	1985	0/27	0/9	—	(0.6)	0/27	0/9	—	(0.03)							588		
			2005	6/24	4/8	0.037~0.057	(0.032)	0/18	0/6	—	(0.0060)									
	1-Methoxy-2-nitrobenzene	See <i>o</i> -Nitroanisole																		
589	2-Methoxyphenol	90-05-1	1986	0/39	0/13	—	(0.2)	4/39	2/13	0.010~0.020	(0.01)							589		
590	3-Methoxyphenol	150-19-6	1986	0/39	0/13	—	(0.2)	0/39	0/13	—	(0.01)							590		
591	4-Methoxyphenol	150-76-5	1986	0/39	0/13	—	(0.2)	0/39	0/13	—	(0.01)							591		
592	<i>N</i> -(4-Methoxyphenyl)- <i>p</i> -anisidine	101-70-2	1977	0/6	0/2	—	(2~5)	0/6	0/2	—	(1)							592		
593	Methyl acrylate	96-33-3	1980	0/51	0/17	—	(0.6~50)	0/51	0/17	—	(0.0083~0.12)							593		
			2001																	
594	Methylamine	74-89-5	1986	0/33	0/11	—	(2)	12/21	4/7	0.046~0.213	(0.04)							594		
595	<i>N</i> -Methylaniline	100-61-8	1976	0/68	0/20	—	(0.08~0.6)	11/68	4/20	0.002~0.012	(0.002~0.008)							595		
			1990	3/69	1/23	0.038~0.093	(0.03)	4/66	2/22	0.0078~0.014	(0.007)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.0027)	1/51	1/17		220	(150)
			2005	0/21	0/7	—	(0.012)	0/27	0/9	—	(0.0012)	Bivalves 0/15	Bivalves 0/5	Bivalves —	(Bivalves 0.0014)	(Fish 0.0014)				
596	4-Methylbenzenesulfonyl chloride	98-59-9	1977	0/6	0/2	—	(4~10)	0/6	0/2	—	(0.1~0.25)							596		
597	2-Methyl-1,1'-biphenyl-3-ylmethyl ( <i>Z</i> )-3-(2-chloro-3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate (synonym: Bifenthrin)	82657-04-3	2006															597		
			2007	0/33	0/11	—	(0.0078)													
	Methyl bromide	See Bromomethane																		
598	Methyl- <i>tert</i> -butyl ether (synonym: MTBE)	1634-04-4	1999															598		
			2002	11/45	4/15	0.007~0.025	(0.006)	0/51	0/17	—	(0.00070)									
	Methyl chloride	See Chloromethane																		
	4-Methyl-2,6-di- <i>tert</i> -butylphenol	See 2,6-Di- <i>tert</i> -butyl-4-methylphenol																		
599	Methyl 2-(4,6-dimethoxy-2-pyrimidinyloxy)-6-[1-(methoxyimino)ethyl]benzoate (synonym: Pyriminobac methyl)	136191-64-5	(2006)	1/39	1/13	0.0025	(0.017*)											599		
599-1	Methyl ( <i>Z</i> )-2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate		2006	0/39	0/13	—	(0.007)											599-1		



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				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
630-2	3-Methylpyridine	108-99-6	1994	6/165	2/55	0.29~0.74	(0.2)	83/135	37/47	0.0012~0.038	(0.0012)	Fish 53/147	Fish 24/48	Fish 0.0020~0.012	(Fish 0.002)	45/49	16/17	1~39	(1)			630-2		
			2008													0/21	0/7	—	(3.4)					
630-3	4-Methylpyridine	108-89-4	1994	11/159	5/53	0.14~0.78	(0.1)	91/128	37/44	0.0012~0.051	(0.0012)	Fish 57/141	Fish 25/46	Fish 0.0014~0.110	(Fish 0.0014)	38/48	16/17	1.0~16	(1)			630-3		
	<i>m</i> -Methylstyrene	See Methylstyrenes (3-Methylstyrene)																						
	<i>p</i> -Methylstyrene	See Methylstyrenes (4-Methylstyrene)																						
631	Methylstyrenes (Total <i>cis-beta</i> -isomer <i>o</i> -isomer and <i>p</i> -isomer)	611-15-4 622-97-9	2000													22/24	8/8	5.4~190	(4.8)			631		
631-1	<i>alpha</i> -Methylstyrene	98-83-9	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)											631-1		
			1997	0/36	0/12	—	(0.3)	0/33	0/11	—	(0.0055)													
			2000													20/26	8/9	1.9~110	(1.9)					
			2005	0/12	0/4	—	(0.009)																	
			2006					0/15	0/5	—	(0.0007)													
631-2	<i>beta</i> -Methylstyrene	637-50-3	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)											631-2		
631-2-1	<i>trans-beta</i> -Methylstyrene	873-66-5	2000													19/27	8/9	2.4~22	(1.6)			631-2-1		
631-3	3-Methylstyrene	100-80-1	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)											631-3		
			2000													21/26	7/9	2.6~190	(1.5)					
631-4	4-Methylstyrene	622-97-9	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)											631-4		
	Metolcarb	See <i>m</i> -Tolyl methylcarbamate																						
	Metribuzin	See 4-Amino-6- <i>tert</i> -butyl-3-methylthio-1,2,4-triazin-5(4 <i>H</i> )-one																						
	Metribuzin-desamino	See 6- <i>tert</i> -Butyl-3-methylthio-1,2,4-triazin-5(4 <i>H</i> )-one																						
	Metribuzin-desamino-diketo	See 6- <i>tert</i> -Butyl-1,2,4-triazine-3,5(2 <i>H</i> ,4 <i>H</i> )-dione																						
	Metribuzin-diketo	See 4-Amino-6- <i>tert</i> -butyl-2 <i>H</i> -1,2,4-triazine-3,5-dione																						
	MIPC	See 2-Isopropylphenyl <i>N</i> -methylcarbamate																						
632	Mirex	2385-85-5	1983	0/27	0/9	—	(0.01)	0/27	0/9	—	(0.0006~0.0024)											632		
			2003	25/36	25/36	0.00000009~0.0000008	(0.00000009)	137/186	51/62	0.0000004~0.0015	(0.0000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000016~0.000019 Fish 0.0000017~0.000025 Birds 0.000031~0.00045	(Bivalves 0.0000081) (Fish 0.0000081) (Birds 0.0000081)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000047~0.00019 C.S. 0.000024~0.000099	(W.S. 0.000028) (C.S. 0.000028)					
			2004	18/38	18/38	0.0000002~0.0000011	(0.0000002)	153/189	55/63	0.0000005~0.000022	(0.0000005)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000011~0.000012 Fish 0.0000038~0.00018 Birds 0.000033~0.00011	(Bivalves 0.0000082) (Fish 0.0000082) (Birds 0.0000082)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000042~0.00016 C.S. 0.000019~0.00023	(W.S. 0.000017) (C.S. 0.000017)					
			2005	14/47	14/47	0.00000007~0.0000010	(0.0000001)	134/189	48/63	0.0000003~0.0053	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000019~0.000020 Fish 0.0000010~0.000078 Birds 0.000041~0.00018	(Bivalves 0.0000099) (Fish 0.0000099) (Birds 0.0000099)	W.S. 37/37 C.S. 29/37	W.S. 37/37 C.S. 29/37	W.S. 0.00005~0.00024 C.S. 0.00003~0.00008	(W.S. 0.00003) (C.S. 0.00003)					
			2006	1/48	1/48	0.00000007	(0.0000005)	156/192	57/64	0.0000002~0.000064	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000002~0.000019 Fish 0.000002~0.000053 Birds 0.000039~0.00028	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 29/37 C.S. 27/37	W.S. 29/37 C.S. 27/37	W.S. 0.00005~0.00022 C.S. 0.00004~0.0021	(W.S. 0.00004) (C.S. 0.00004)					
			2007	2/48	2/48	0.0000004~0.0000005	(0.0000004)	147/192	55/64	0.0000003~0.000020	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000002~0.000018 Fish 0.000001~0.000036 Birds 0.000032~0.00010	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00004~0.00028 C.S. 0.00002~0.00009	(W.S. 0.00001) (C.S. 0.00001)					
			2008	4/48	4/48	0.00000005~0.0000007	(0.0000002)	117/192	48/64	0.0000004~0.000082	(0.0000003)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000002~0.000018 Fish 0.000001~0.000048 Birds 0.000027~0.00026	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00003~0.00025 C.S. 0.00003~0.00008	(W.S. 0.00001) (C.S. 0.00001)					
			2009	8/49	8/49	0.0000002~0.0000005	(0.0000002)	126/192	49/64	0.0000004~0.000062	(0.0000004)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000017~0.000021 Fish 0.0000009~0.000037 Birds 0.000032~0.000079	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000049~0.00048 C.S. 0.000030~0.00018	(W.S. 0.000006) (C.S. 0.000006)					
	MNCB	See 1-Chloro-3-nitrobenzene																						
	Molinate	See 5-Ethyl hexahydro-1 <i>H</i> -azepine-1-carbothioate																						
	Monobutyl naphthalenesulphonic acid	See Butyl naphthalenesulphonate																						
	Monochloroacetic acid	See Chloroacetic acid																						
	Monochloroethane	See Chloroethane																						
	Monoethanolamine	See 2-Aminoethanol																						
	Mono( <i>alpha</i> -methylbenzyl)phenol	See <i>p</i> -(1-Phenylethyl)phenol																						
633	Morpholine	110-91-8	1979	0/33	0/11	—	(1~50)	0/33	0/11	—	(0.01~0.5)											633		
			1994	9/48	4/16	0.28~2.51	(0.28)	25/45	10/15	0.0024~0.051	(0.0024)	Fish 0/48	Fish 0/16	Fish —	(Fish 0.03)	0/51	0/17	—	(20)					
634	2-(Morpholiniothio)benzothiazole	102-77-2	1977	0/12	0/6	—	(0.02~0.04)	0/12	0/6	—	(0.0012~0.01)											634		
	MPP	See <i>O,O</i> -Dimethyl <i>O</i> -(3-methyl-4-methylthiophenyl) thiophosphate																						
	MTBE	See Methyl- <i>tert</i> -butyl ether																						
	MTMC	See <i>m</i> -Tolyl methylcarbamate																						
	NAC	See 1-Naphthyl <i>N</i> -methylcarbamate																						
	Naled	See 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate																						
635	Naphthalene	91-20-3	1976	0/20	0/5	—	(0.1)	0/20	0/5	—	(0.01)											635		
			2007													21/24	7/8	50~530	(0.21)					
636	2-Naphthalenesulfonic acid polymer with formaldehyde	26353-67-3	1979	0/21	0/7	—	(10~100)	0/27	0/9	—	(0.2~30)											636		
	<i>beta</i> -Naphthalenesulfonic acid, polymer with formalin	See 2-Naphthalenesulfonic acid, polymer with formaldehyde																						







Number	Name	CAS registry number	Year (FY)	Surface water ( $\mu\text{g/L}$ )				Sediment ( $\mu\text{g/g-dry}$ )				Wildlife (Bivalves, Fish, Birds, Plankton) ( $\mu\text{g/g-wet}$ )				Air ( $\text{ng/m}^3$ )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
			1992		0/18	—			6/18	0.000012~0.0046			Bivalves 15/30 Fish 30/70 Birds 5/10	Bivalves 3/6 Fish 7/14 Birds 1/2	Bivalves 0.001~0.003 Fish 0.001~0.014 Birds 0.017~0.054	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993		0/19	—			7/19	0.000005~0.0037			Bivalves 10/30 Fish 37/70 Birds 5/10	Bivalves 2/6 Fish 10/14 Birds 1/2	Bivalves 0.001 Fish 0.001~0.012 Birds 0.011~0.023	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994		0/17	—			4/17	0.000016~0.0025			Bivalves 15/30 Fish 32/70 Birds 0/5	Bivalves 3/6 Fish 8/14 Birds 0/1	Bivalves 0.001~0.003 Fish 0.001~0.007 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995		0/18	—			5/18	0.000032~0.0053			Bivalves 10/30 Fish 27/70 Birds 4/10	Bivalves 2/6 Fish 7/14 Birds 1/2	Bivalves 0.001 Fish 0.001~0.008 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996		0/18	—			4/18	0.000023~0.003			Bivalves 5/30 Fish 19/70 Birds 4/10	Bivalves 2/6 Fish 6/14 Birds 1/2	Bivalves 0.001 Fish 0.001~0.015 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1997		0/18	—			4/18	0.000010~0.00237			Bivalves 10/30 Fish 19/70 Birds 0/10	Bivalves 2/6 Fish 6/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.005 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1998		0/18	—			4/18	0.0004~0.002			Bivalves 5/30 Fish 18/70 Birds 0/10	Bivalves 1/6 Fish 5/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.006 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999						2/18	0.00071~0.0012			Bivalves 0/30 Fish 15/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves — Fish 0.002~0.011 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2000						2/17	0.0019~0.0030			Bivalves 1/30 Fish 19/69 Birds 0/10	Bivalves 1/6 Fish 5/14 Birds 0/2	Bivalves 0.001 Fish 0.001~0.006 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001						3/20	0.0013~0.0016			Bivalves 10/30 Fish 27/72 Birds 3/10	Bivalves 2/6 Fish 8/15 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.007 Birds 0.001~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	114/114	38/38	0.0000023~0.00025	(0.0000006)	188/189	63/63	0.0000010~0.0078	(0.0000007)		Bivalves 38/38  Fish 70/70 Birds 10/10	Bivalves 8/8  Fish 14/14 Birds 2/2	Bivalves 0.0000086~0.00087 Fish 0.000046~0.0051 Birds 0.000068~0.00045	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	102/102	34/34	0.000071~0.062	(0.000010)					
			2003	36/36	36/36	0.0000013~0.00013	(0.0000001)	184/186	62/62	0.0000010~0.0065	(0.0000009)		Bivalves 30/30  Fish 70/70 Birds 10/10	Bivalves 6/6  Fish 14/14 Birds 2/2	Bivalves 0.000048~0.0018 Fish 0.000019~0.0026 Birds 0.000068~0.00066	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00081~0.22 C.S. 0.00018~0.023	(W.S. 0.000088) (C.S. 0.000088)					
			2004	38/38	38/38	0.0000008~0.00034	(0.0000002)	189/189	63/63	0.0000008~0.0094	(0.0000006)		Bivalves 31/31  Fish 70/70 Birds 10/10	Bivalves 7/7  Fish 14/14 Birds 2/2	Bivalves 0.000043~0.0018 Fish 0.000048~0.010 Birds 0.000073~0.00024	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00036~0.13 C.S. 0.000087~0.028	(W.S. 0.000024) (C.S. 0.000024)					
			2005	47/47	47/47	0.0000009~0.000043	(0.0000002)	189/189	63/63	0.0000011~0.0099	(0.00000064)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000027~0.0013 Fish 0.000027~0.0062 Birds 0.000086~0.00037	(Bivalves 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00030~0.16 C.S. 0.00008~0.034	(W.S. 0.00003) (C.S. 0.00003)					
			2006	48/48	48/48	0.0000010~0.000083	(0.0000003)	192/192	64/64	0.0000006~0.0058	(0.0000004)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000031~0.0015 Fish 0.000033~0.0033 Birds 0.000060~0.00027	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00028~0.17 C.S. 0.00014~0.041	(W.S. 0.00005) (C.S. 0.00005)					
			2007	43/48	43/48	0.0000010~0.00021	(0.0000008)	191/192	64/64	0.0000007~0.0042	(0.0000006)		Bivalves 31/31  Fish 80/80 Birds 10/10	Bivalves 7/7  Fish 16/16 Birds 2/2	Bivalves 0.000026~0.0010 Fish 0.000016~0.0037 Birds 0.000042~0.0003	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00031~0.15 C.S. 0.00009~0.022	(W.S. 0.00001) (C.S. 0.00001)					
			2008	48/48	48/48	0.0000009~0.00013	(0.0000003)	192/192	64/64	0.0000011~0.0051	(0.0000002)		Bivalves 31/31  Fish 85/85 Birds 10/10	Bivalves 7/7  Fish 17/17 Birds 2/2	Bivalves 0.000033~0.00078 Fish 0.000046~0.0032 Birds 0.000037~0.00041	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00018~0.087 C.S. 0.00016~0.019	(W.S. 0.00001) (C.S. 0.00001)					
			2009	49/49	49/49	0.0000014~0.00021	(0.0000001)	192/192	64/64	0.0000014~0.0047	(0.0000004)		Bivalves 31/31  Fish 90/90 Birds 10/10	Bivalves 7/7  Fish 18/18 Birds 2/2	Bivalves 0.000031~0.010 Fish 0.000027~0.0026 Birds 0.000044~0.00016	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00033~0.11 C.S. 0.00007~0.018	(W.S. 0.00002) (C.S. 0.00002)					
			2010	49/49	49/49	0.0000009~0.00004	(0.0000004)	64/64	64/64	0.0000023~0.0036	(0.0000003)		Bivalves 6/6  Fish 18/18 Birds 2/2	Bivalves 6/6  Fish 18/18 Birds 2/2	Bivalves 0.000035~0.0013 Fish 0.000023~0.0022 Birds 0.000057~0.00019	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00023~0.068 C.S. 0.00006~0.013	(W.S. 0.00004) (C.S. 0.00004)					
687	trans-Nonachlor	39765-80-5	1982		0/126	0/42	—	(0.005)	68/126	28/42	0.0002~0.055	(0.0002~0.001)	Fish 102/123	Fish 32/36	Bivalves 0.001~0.074	(Fish 0.001)									687
			1983										Bivalves 11/20 Fish 37/50 Birds 6/10	Bivalves 3/4 Fish 8/10 Birds 2/2	Bivalves 0.001~0.010 Fish 0.001~0.040 Birds 0.001~0.120	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984										Bivalves 15/20 Fish 45/60 Birds 9/10	Bivalves 3/4 Fish 10/12 Birds 2/2	Bivalves 0.001~0.013 Fish 0.001~0.102 Birds 0.001~0.20	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985										Bivalves 15/20 Fish 39/60 Birds 10/10	Bivalves 3/4 Fish 9/12 Birds 2/2	Bivalves 0.002~0.021 Fish 0.001~0.042 Birds 0.001~0.15	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986			0/18	—			10/18	0.0002~0.0196		Bivalves 18/20 Fish 43/60 Birds 5/10	Bivalves 4/4 Fish 10/12 Birds 1/2	Bivalves 0.001~0.010 Fish 0.001~0.041 Birds 0.12~0.26	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	16/73	5/12	0.52~2.8	(0.5)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1987		1/20	0.0008				12/20	0.00007~0.030			Bivalves 15/20 Fish 45/65 Birds 5/10	Bivalves 3/4 Fish 9/13 Birds 1/2	Bivalves 0.001~0.010 Fish 0.002~0.050 Birds 0.16~0.47	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1988		0/22	—				7/22	0.000086~0.0055			Bivalves 8/20 Fish 44/65 Birds 5/10	Bivalves 2/4 Fish 9/13 Birds 1/2	Bivalves 0.002~0.006 Fish 0.002~0.036 Birds 0.070~0.130	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1989		1/17	0.005				4/17	0.00013~0.013			Bivalves 13/21 Fish 45/65 Birds 5/10	Bivalves 4/5 Fish 10/13 Birds 1/2	Bivalves 0.001~0.010 Fish 0.001~0.060 Birds 0.027~0.078	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1990		0/18	—				5/18	0.00010~0.0122			Bivalves 15/25 Fish 41/65 Birds 5/10	Bivalves 3/5 Fish 9/13 Birds 1/2	Bivalves 0.004~0.040 Fish 0.001~0.041 Birds 0.038~0.078	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1991		0/18	—				7/18	0.000061~0.014			Bivalves 20/30 Fish 43/65 Birds 5/10	Bivalves 4/6 Fish 9/13 Birds 1/2	Bivalves 0.001~0.008 Fish 0.001~0.034 Birds 0.025~0.046	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1992		0/18	—				8/18	0.000022~0.012			Bivalves 15/30 Fish 46/70 Birds 10/10	Bivalves 3/6 Fish 10/14 Birds 2/2	Bivalves 0.002~0.013 Fish 0.001~0.023 Birds 0.001~0.100	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1993		1/19	0.0002				8/19	0.000015~0.0089			Bivalves 15/30 Fish 46/70 Birds 6/10	Bivalves 3/6 Fish 10/14 Birds 2/2	Bivalves 0.002~0.007 Fish 0.001~0.018 Birds 0.001~0.056	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1994		0/17	—				5/17	0.000028~0.0067			Bivalves 15/30 Fish 43/70 Birds 0/5	Bivalves 3/6 Fish 11/14 Birds 0/1	Bivalves 0.002~0.009 Fish 0.001~0.027 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1995		0/18	—				4/18	0.000022~0.0041			Bivalves 20/30 Fish 50/70 Birds 5/10	Bivalves 4/6 Fish 11/14 Birds 1/2	Bivalves 0.002~0.005 Fish 0.001~0.015 Birds 0.007~0.022	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1996		0/18	—				6/18	0.000022~0.00328			Bivalves 15/30 Fish 42/70 Birds 5/10	Bivalves 3/6 Fish 11/14 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.033 Birds 0.002~0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1997		0/18	—				8/18	0.000015~0.00612			Bivalves 15/30 Fish 34/70 Birds 5/10	Bivalves 3/6 Fish 8/14 Birds 1/2	Bivalves 0.002~0.004 Fish 0.001~0.011 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1998		0/18	—				7/18	0.000018~0.0044			Bivalves 10/30 Fish 40/70 Birds 6/10	Bivalves 2/6 Fish 9/14 Birds 2/2	Bivalves 0.002~0.003 Fish 0.001~0.008 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			1999							3/18	0.00063~0.0018			Bivalves 15/30 Fish 31/70 Birds 2/10	Bivalves 3/6 Fish 7/14 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.006 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			2000							3/17	0.00035~0.0070			Bivalves 14/30 Fish 36/69 Birds 5/10	Bivalves 3/6 Fish 9/14 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.013 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			2001							5/20	0.00031~0.0048			Bivalves 11/30 Fish 38/72 Birds 5/10	Bivalves 3/6 Fish 9/15 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.013 Birds 0.002~0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)							
			2002	114/114	38/38	0.0000018~0.00078	(0.0000004)	189/189	63/63	0.0000031~0.013	(0.0000005)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000021~0.0018 Fish 0.000098~0.0083 Birds 0.00035~0.0019	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	102/102	34/34	0.00064~0.55	(0.00010)					
			2003	36/36	36/36	0.000004~0.00045	(0.0000005)	186/186	62/62	0.000002~0.011	(0.0000006)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00014~0.0038 Fish 0.000085~0.0058 Birds 0.00035~0.0037	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0051~1.2 C.S. 0.0021~0.18	(W.S. 0.00012) (C.S. 0.00012)					
			2004	38/38	38/38	0.000003~0.0011	(0.0000002)	189/189	63/63	0.000003~0.023	(0.0000006)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00011~0.0034 Fish 0.00014~0.021 Birds 0.00039~0.0012	(Bivalves 0.0000042) (Fish 0.0000042) (Birds 0.0000042)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0019~0.87 C.S. 0.00095~0.24	(W.S. 0.00016) (C.S. 0.00016)					
			2005	47/47	47/47	0.0000026~0.00015	(0.00000084)	189/189	63/63	0.0000024~0.024	(0.00000054)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000072~0.0034 Fish 0.000080~0.013 Birds 0.00044~0.0020	(Bivalves 0.0000021) (Fish 0.0000021) (Birds 0.0000021)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0031~0.87 C.S. 0.0012~0.21	(W.S. 0.000044) (C.S. 0.000044)					
			2006	48/48	48/48	0.0000032~0.00031	(0.0000010)	192/192	64/64	0.0000034~0.010	(0.0000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000085~0.0032 Fish 0.00012~0.0069 Birds 0.00031~0.0015	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0030~0.80 C.S. 0.0014~0.24	(W.S. 0.00003) (C.S. 0.00003)					
			2007	48/48	48/48	0.000002~0.00054	(0.0000002)	192/192	64/64	0.0000016~0.0084	(0.0000006)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000071~0.0024 Fish 0.000071~0.0079 Birds 0.00020~0.0014	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.0025~0.94 C.S. 0.0011~0.19	(W.S. 0.00003) (C.S. 0.00003)					
			2008	48/48	48/48	0.0000019~0.00034	(0.0000006)	192/192	64/64	0.0000016~0.0084	(0.0000008)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000094~0.0020 Fish 0.000087~0.0069 Birds 0.00018~0.0026	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0015~0.65 C.S. 0.0013~0.17	(W.S. 0.00003) (C.S. 0.00003)					
			2009	49/49	49/49	0.0000027~0.00053	(0.0000004)	192/192	64/64	0.0000020~0.0078	(0.0000003)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000079~0.033 Fish 0.000068~0.0074 Birds 0.00022~0.00073	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0022~0.63 C.S. 0.00075~0.14	(W.S. 0.00003) (C.S. 0.00003)					
			2010	45/49	45/49	0.000003~0.00093	(0.0000003)	64/64	64/64	0.000003~0.0062	(0.0000002)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000084~0.006 Fish 0.00011~0.0047 Birds 0.00029~0.00088	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0017~0.52 C.S. 0.0007~0.089	(W.S. 0.0003) (C.S. 0.0003)					







Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1988																					
			1989																					
			1990																					
			1991																					
			1992																					
			1993																					
			1994																					
			1995																					
			1996																					
			1997																					
			1998																					
			1999																					
			2000																					
			2001																					
			2002	96/114	35/38	0.0000013~0.000041	(0.000004)	153/189	59/63	0.0000006~0.00012	(0.0000005)	Bivalves 37/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.0000019~0.00056 Fish 0.000016~0.00039 Birds 0.00047~0.00089	(Bivalves 0.000012) (Fish 0.0000012) (Birds 0.0000012)	101/102	34/34	0.00037~0.0083	(0.000008)					
			2003	36/36	36/36	0.0000006~0.000039	(0.0000005)	158/186	57/62	0.0000005~0.000085	(0.0000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000011~0.0019 Fish 0.000030~0.00082 Birds 0.00061~0.0013	(Bivalves 0.000028) (Fish 0.000028) (Birds 0.000028)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00041~0.012 C.S. 0.00041~0.0032	(W.S. 0.000015) (C.S. 0.000015)					
			2004	38/38	38/38	0.0000007~0.000047	(0.0000005)	129/189	54/63	0.0000008~0.00014	(0.0000008)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000014~0.0017 Fish 0.000025~0.0015 Birds 0.00032~0.00073	(Bivalves 0.000031) (Fish 0.0000031) (Birds 0.0000031)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00041~0.0078 C.S. 0.00027~0.0039	(W.S. 0.000042) (C.S. 0.000042)					
			2005	46/47	46/47	0.0000003~0.000019	(0.0000004)	133/189	51/63	0.0000007~0.00016	(0.0000007)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000012~0.0014 Fish 0.000020~0.0019 Birds 0.00039~0.00086	(Bivalves 0.000031) (Fish 0.0000031) (Birds 0.0000031)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00065~0.0088 C.S. 0.00027~0.0022	(W.S. 0.000054) (C.S. 0.000054)					
			2006	43/48	43/48	0.00000038~0.000018	(0.0000009)	141/192	54/64	0.0000010~0.00028	(0.0000010)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007~0.0024 Fish 0.000028~0.0030 Birds 0.00027~0.00072	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00047~0.0057 C.S. 0.00013~0.0051	(W.S. 0.00008) (C.S. 0.00008)					
			2007	25/48	25/48	0.000002~0.000041	(0.000002)	117/192	46/64	0.0000009~0.000076	(0.0000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000008~0.0022 Fish 0.000017~0.0019 Birds 0.00029~0.00074	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00056~0.0086 C.S. 0.00026~0.0024	(W.S. 0.00002) (C.S. 0.00002)					
			2008	40/48	40/48	0.00000031~0.000014	(0.0000007)	110/192	48/64	0.000001~0.00034	(0.000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000007~0.0011 Fish 0.000015~0.0022 Birds 0.00029~0.00096	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0005~0.0071 C.S. 0.00027~0.0018	(W.S. 0.00001) (C.S. 0.00001)					
			2009	45/49	45/49	0.00000038~0.000019	(0.0000004)	97/192	45/64	0.000001~0.00015	(0.000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000010~0.00082 Fish 0.000023~0.0024 Birds 0.00019~0.00054	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00038~0.0065 C.S. 0.00024~0.0027	(W.S. 0.00002) (C.S. 0.00002)					
			2010	47/49	47/49	0.0000003~0.000045	(0.0000003)	56/64	56/64	0.0000004~0.000060	(0.0000004)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000011~0.00033 Fish 0.000033~0.0010 Birds 0.00032~0.00051	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00044~0.0062 C.S. 0.00026~0.0023	(W.S. 0.00001) (C.S. 0.00001)					
	2,4-PA	See 2,4-Dichlorophenoxy acetic acid																						
	PAP	See Ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate																						



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)			Sediment (µg/g-dry)			Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number				
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit					
				Sample	Site			Sample	Site			Sample	Site			Sample	Site							
	PCB	See Polychlorobiphenyls																						
	p-Chlorophenol	See 4-Chlorophenol																						
	PCN	See Polychloronaphthalenes																						
	PCNB	See Pentachloronitrobenzene																						
	PCP	See Pentachlorophenol																						
	PCT	See Polychloroterphenyls																						
	Penclorol	See Pentachlorophenol																						
	Pendimethalin	See N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine																						
701	Pentabromobenzene	608-90-2	1981	0/18	0/6	—	(0.005~0.05)	0/18	0/6	—	(0.00005~0.001)										701			
702	1,2,3,4,5-Pentabromo-6-chlorocyclohexane	87-84-3	1985	0/27	0/9	—	(0.03)	0/27	0/9	—	(0.004)										702			
703	Pentachloroaniline	527-20-8	1981	0/15	0/5	—	(0.0001~0.01)	0/15	0/5	—	(0.001~0.01)										703			
704	Pentachlorobenzene	608-93-5	1975	0/100	0/20	—	(0.01)	0/100	0/20	—	(0.01)	Fish 3/95	Fish 1/19	Fish 0.013~0.038	(Fish 0.01)				Precipitation 0/30	0/15	—µg/L	(0.01)	704	
			1979	0/111	0/37	—	(0.002~0.04)	30/111	13/37	0.0001~0.0112	(0.00001~0.01)	Fish 3/93	Fish 2/27	Fish 0.001~0.002	(Fish 0.00001~0.01)									
			1980									Bivalves 0/15	Bivalves 0/3	Bivalves —	(Bivalves 0.001)									
			1981									Fish 1/50	Fish 1/10	Fish 0.002	(Fish 0.001)									
			1982									Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.001)									
			1983									Fish 0/46	Fish 0/9	Fish —	(Fish 0.001)									
			1984									Birds 0/7	Birds 0/1	Birds —	(Birds 0.001)									
			1985									Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.001)									
			1986									Fish 1/50	Fish 1/10	Fish 0.001	(Fish 0.001)									
			1988									Birds 0/9	Birds 0/2	Birds —	(Birds 0.001)									
			1990									Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.001)									
			1992									Fish 0/50	Fish 0/10	Fish —	(Fish 0.001)									
			1994									Birds 0/10	Birds 0/2	Birds —	(Birds 0.001)									
			1996									Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.001)									
			2007			0/48	0/48	—	(0.0013)	79/192	35/64	0.000035~0.024	(0.000033)	Fish 0/60	Fish 0/12	Fish —	(Fish 0.001)							
			2009											Birds 2/10	Birds 1/2	Birds 0.001~0.002	(Birds 0.001)							
2010			49/49	49/49	0.000001~0.00010	(0.000001)	64/64	64/64	0.000001~0.0042	(0.0000003)	Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.001)										
705	Pentachloroethane	76-01-7	1984	0/21	0/7	—	(0.005~0.04)	0/21	0/7	—	(0.00003~0.00050)											705		
706	Pentachloronitrobenzene	82-68-8	1981	0/12	0/4	—	(0.01)	0/12	0/4	—	(0.0005)											706		
			1991	0/57	0/19	—	(0.42)	0/51	0/17	—	(0.039)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.035)	5/48	4/16	6.2~13	(6)					
			2004					0/36	0/12	—	(0.013)	Fish 0/24	Fish 0/8	Fish —	(Fish 0.001)	1/45	1/15	4.5	(0.3)					
707	Pentachlorophenol	87-86-5	1974	2/55	1/11	0.2	(0.1)	10/50	2/10	0.08~0.36	(0.01~0.05)											707		
			1996	0/33	0/11	—	(0.2)	2/33	2/11	0.011~0.014	(0.01)													
			2005	0/27	0/9	—	(0.010)																	
			2010	0/33	0/11	—	(0.52)	0/33	0/11	—	(0.06)													
708	Pentaerythritol	115-77-5	1997	0/33	0/11	—	(0.022~0.037)	0/33	0/11	—	(0.021)											708		
709	Pentanal		2010	3/51	2/17	—	(0.0011)	13/78	6/26	0.00029~0.00044	(0.00028)											709		
710	4-tert-Pentylphenol	80-46-6	2008	0/99	0/33	—	(0.0001)															710		
711	Perfluorododecanoic acid	307-55-1	2010	8/81	3/27	0.0001~0.0003	(0.0001)															711		
712	Perfluorohexadecanoic acid	67905-19-5	2010	0/81	0/27	—	(0.000061)															712		



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency Sample	Detection Frequency Site		Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site							
734-2	Diisodecyl phthalate	26761-40-0	1974	0/250	0/50	—	(0.05~10)	0/227	0/46	—	(0.00005~3.14)	Fish 0/200	Fish 0/40	Fish —	(Fish 0.00005~5.0)	(Plankton 0.01)	Precipitation 0/73	0/34	—ppm	(0.00005~0.010)	734-2			
			2001															12/21	6/7	0.30~1.3	(0.30)			
734-3	Disotridecyl phthalate	27253-26-5	2001														0/21	0/7	—	(0.1)	734-3			
734-4	Diisononyl phthalate	28553-12-0	1996	0/33	0/11	—	(4)	0/33	0/11	—	(3.5)							0/18	0/6	—	(72)	734-4		
			2001															20/21	7/7	0.42~22	(0.40)			
734-5	Diisobutyl phthalate	84-69-5	1974	38/375	8/75	0.10~12.27	(0.01~1)	57/350	15/71	0.00075~3.73	(0.00005~0.1)	Fish 22/312	Fish 7/63	Fish 0.15~0.47	(Fish 0.00005~0.2)	(Plankton 0.01~5)	Precipitation 11/111	7/53	0.00015~0.0344ppm	(0.00004~0.001)	734-5			
			1996	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.026)	Plankton 0/4	Plankton 0/2	Plankton —				1/18	1/6	3.3	(2.5)			
734-6	Diisoheptyl phthalate	41451-28-9	1974	23/375	8/75	0.12~1.1	(0.04~10)	30/350	12/71	0.008~6.48	(0.00005~1)	Fish 13/312	Fish 4/63	Fish 0.14~0.36	(Fish 0.00005~5.0)	(Plankton 0.01~10)	Precipitation 22/111	15/53	0.00016~0.0085ppm	(0.00005~0.010)	734-6			
734-7	Diethyl phthalate	84-66-2	1985	0/27	0/9	—	(0.2)	0/27	0/9	—	(0.02)											734-7		
			1974	4/355	1/71	1~41	(0.05~50)	3/331	2/67	0.72~4.4	(0.00005~5)	Fish 0/292	Fish 0/59	Fish —	(Fish 0.00005~25)	(Plankton 0.01~10)	Precipitation 1/105	1/50	0.012ppm	(0.00005~0.050)	734-8			
734-8	Di-n-octyl phthalate	117-84-0	1982	0/45	0/15	—	(0.05~0.5)	0/45	0/15	—	(0.002~0.02)													
			1996	0/33	0/11	—	(0.2)	3/33	1/11	0.28~1.41	(0.13)							0/18	0/6	—	(12)			
734-9	Dicyclohexyl phthalate	84-61-7	1985	0/27	0/9	—	(0.4)	0/27	0/9	—	(0.05)										734-9			
734-10	Di-n-butyl phthalate	84-74-2	1974	208/375	49/75	0.05~36	(0.05~40)	154/370	42/75	0.001~2.3	(0.001~0.28)	Fish 114/332	Fish 33/67	Fish 0.006~1.95	(Fish 0.01~0.87)	(Plankton 0.1~5)	Precipitation 68/111	35/53	0.00013~0.052ppm	(0.0001~0.004)	734-10			
			1975	77/115	18/23	13~21,000	(10~3,000)																	
			1980										Bivalves 0/15	Bivalves 0/3	Bivalves —	(Bivalves 0.1)								
			1981										Fish 0/50	Fish 0/10	Fish —	(Fish 0.1)								
			1982	42/45	15/15	0.060~1.5	(0.03~0.1)	39/45	14/15	0.0097~0.14	(0.0007~0.005)	Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.1)									
			1983										Fish 0/50	Fish 0/10	Fish —	(Fish 0.1)								
			1984										Birds 0/9	Birds 0/2	Birds —	(Birds 0.1)								
			1985										Birds 0/7	Birds 0/1	Birds —	(Birds 0.1)								
			1987										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.1)								
			1988										Fish 0/60	Fish 0/12	Fish —	(Fish 0.1)								
			1989										Birds 0/10	Birds 0/2	Birds —	(Birds 0.1)								
			1991										Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.1)								
			1993										Fish 0/60	Fish 0/12	Fish —	(Fish 0.1)			56/63	12/12	17~370	(5~70)		
			1995										Birds 0/10	Birds 0/2	Birds —	(Birds 0.1)								
			1996	5/30	3/10	0.2~1.4	(0.2)	7/30	3/10	0.15~0.58	(0.14)		Fish 9/30	Fish 3/10	Fish 0.054~0.30	(Fish 0.04)			13/15	5/5	10~140	(10)		
			1999										Bivalves 0/30	Bivalves 0/6	Bivalves —	(Bivalves 0.1)								
2006										Fish 0/70	Fish 0/14	Fish —	(Fish 0.1)											
2008	18/45	18/45	0.11~0.66	(0.069)	33/184	22/62	0.047~0.78	(0.044)		Birds 0/10	Birds 0/2	Birds —	(Birds 0.1)											
734-11	Di-n-heptyl phthalate	3648-21-3	1982	3/45	2/15	0.2~0.4	(0.1~0.2)	7/45	3/15	0.071~0.30	(0.003~0.01)										734-11			
734-12	Dimethyl phthalate	131-11-3	1996	0/33	0/11	—	(1)	0/33	0/11	—	(1.5)													
			1985	0/27	0/9	—	(0.1)	0/27	0/9	—	(0.01)							3/15	1/5	10~17	(6)			
734-13	Bis(2-ethylhexyl) phthalate (synonym: DEHP)	117-81-7	2007	17/21	7/7	0.0022~0.0097	(0.0017)	16/16	6/6	0.00054~0.0063	(0.00035)													
			1974	176/375	44/75	0.08~15.0	(0.01~2.0)	224/370	53/75	0.003~17.0	(0.003~0.2)	Fish 92/332	Fish 25/67	Fish 0.009~19	(Fish 0.02~1.0)	(Plankton 0.05)	Precipitation 69/111	35/53	0.00005~0.013ppm	(0.00006~0.0020)	734-13			
			1975	58/115	12/23	20~1,100	(100~3,000)																	
			1980										Bivalves 0/15	Bivalves 0/3	Bivalves —	(Bivalves 0.1)								
			1981										Fish 0/50	Fish 0/10	Fish —	(Fish 0.1)								



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number				
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit		
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site
742-2-1	2,2',4,4',5,5'-Hexabromobiphenyl (PBB#153)	59080-40-9	2009	0/49	0/49	—	(0.0000064)	70/190	32/64	0.0000012~0.0000081	(0.0000012)	Bivalves 15/31 Fish 57/90 Birds 10/10	Bivalves 5/7 Fish 14/18 Birds 2/2	Bivalves 0.0000013~0.0000023 Fish 0.0000013~0.0000049 Birds 0.0000074~0.0000021	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)									742-2-1		
			2010									Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)											
742-2-2	2,2',4,4',5,5',6-Hexabromobiphenyl (PBB#154)		2010									Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)									742-2-2		
742-2-3	2,2',4,4',6,6'-Hexabromobiphenyl (PBB#155)	59261-08-4	2009	0/49	0/49	—	(0.0000019)	35/190	16/64	0.00000050~0.0000032	(0.00000042)	Bivalves 15/31 Fish 52/90 Birds 8/10	Bivalves 4/7 Fish 13/18 Birds 2/2	Bivalves 0.0000009~0.0000030 Fish 0.0000009~0.0000010 Birds 0.0000009~0.0000063	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)									742-2-3		
			2010									Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)											
742-2-4	2,3,3',4,4',5-Hexabromobiphenyl (PBB#156)		2010									Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000007) (Fish 0.000007) (Birds 0.000007)									742-2-4		
742-2-5	3,3',4,4',5,5'-Hexabromobiphenyl (PBB#169)	60044-26-0	2009	0/49	0/49	—	(0.0000078)	0/190	0/64	—	(0.0000014)	Bivalves 0/31 Fish 0/90 Birds 0/10	Bivalves 0/7 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)									742-2-5		
			2010									Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)											
742-3	Decabromobiphenyl	13654-09-6	1989	0/63	0/21	—	(0.3)	0/63	0/21	—	(0.03)	Fish 0/63	Fish 0/21	Fish —	(Fish 0.03)			0/38	0/13	—	(20)				742-3	
743	Polybromodiphenyl ethers (Br <sub>1</sub> - Br <sub>7</sub> )		(2001)															36/36	12/12	0.00007~0.067					743	
			(2004)															9/9	3/3	0.0015~0.02	(0.00006)					
	(Br <sub>4</sub> - Br <sub>10</sub> )		(2008)									Bivalves 17/31 Fish 60/85 Birds 10/10	Bivalves 5/7 Fish 14/17 Birds 2/2	Bivalves 0.00013~0.00054 Fish 0.00011~0.0020 Birds 0.00031~0.0021	(Bivalves 0.00011*) (Fish 0.00011*) (Birds 0.00011*)											
			(2009)	28/49	28/49	0.00025~0.0041	(0.00024*)	185/192	64/64	0.00009~1.1	(0.000072*)							W.S. 26/37 C.S. 30/37	W.S. 26/37 C.S. 30/37	W.S. 0.0065~0.043 C.S. 0.0061~0.087	(W.S. 0.0060*) (C.S. 0.0060*)					
			(2010)	31/49	31/49	0.00013~0.014	(0.00011*)	60/64	60/64	0.00011~0.73	(0.00010*)	Bivalves 3/6 Fish 12/18 Birds 2/2	Bivalves 3/6 Fish 12/18 Birds 2/2	Bivalves 0.00019~0.00061 Fish 0.00017~0.0012 Birds 0.00046~0.00066	(Bivalves 0.00015*) (Fish 0.00015*) (Birds 0.00015*)			W.S. 16/37 C.S. 22/37	W.S. 16/37 C.S. 22/37	W.S. 0.011~0.33 C.S. 0.011~0.12	(W.S. 0.011*) (C.S. 0.011*)					
743-1	Monobromodiphenyl ethers		2001															7/36	3/12	0.0004~0.002	(0.0004)				743-1	
			2004															9/9	3/3	0.00095~0.00027	(0.00006)					
			2005	0/6	0/2	—	(0.00025*)																			
743-2	Dibromodiphenyl ethers		2001																29/36	12/12	0.0002~0.012	(0.0002)				743-2
			2004																9/9	3/3	0.00023~0.0033	(0.00010)				
			2005	0/6	0/2	—	(0.000082*)																			
743-2-1	4,4'-Dibromodiphenyl ether (PBDE#15)	2050-47-7	1984	0/27	0/9	—	(0.01~0.03)	0/27	0/9	—	(0.00005~0.013)														743-2-1	
743-3	Tribromodiphenyl ethers		2001																36/36	12/12	0.00007~0.0079	(0.00005)				743-3
			2004																9/9	3/3	0.00022~0.0043	(0.00007)				
			2005	0/6	0/2	—	(0.000086*)																			
743-4	Tetrabromodiphenyl ethers	40088-47-9	2001																27/36	10/12	0.0005~0.01	(0.0005)				743-4
			2004																9/9	3/3	0.00035~0.0064	(0.00008)				
			2005	0/3	0/1	—	(0.00014*)																			
			2008									Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000020~0.00038 Fish 0.0000098~0.0013 Birds 0.000032~0.0012	(Bivalves 0.000022) (Fish 0.000022) (Birds 0.000022)											
			2009	44/49	44/49	0.000004~0.00016	(0.000003)	131/192	51/64	0.000023~0.0014	(0.000023)								W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00011~0.018 C.S. 0.00004~0.0071	(W.S. 0.00004) (C.S. 0.00004)				
			2010	17/49	17/49	0.0000010~0.00039	(0.000003)	57/64	57/64	0.000003~0.00091	(0.000002)	Bivalves 5/6 Fish 18/18 Birds 2/2	Bivalves 5/6 Fish 18/18 Birds 2/2	Bivalves 0.000036~0.00031 Fish 0.000016~0.00074 Birds 0.000072~0.00027	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)			W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00015~0.050 C.S. 0.00009~0.025	(W.S. 0.00005) (C.S. 0.00005)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others				Number					
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit						
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site			
743-4-1	2,2',4,4'-Tetrabromodiphenyl ether (PBDE#47)	5436-43-1	2009	44/49	44/49	0.000004~0.00015	(0.000003)	118/192	47/64	0.000023~0.00076	(0.000023)							W.S. 37/37	W.S. 37/37	W.S. 0.00007~0.017	(W.S. 0.00003)					743-4-1			
			2010	11/49	11/49	0.0000007~0.00023	(0.000003)	55/64	55/64	0.000002~0.00040	(0.000002)	Bivalves 5/6	Bivalves 5/6	Bivalves 0.000036~0.00031	(Bivalves 0.000016)	W.S. 37/37	W.S. 37/37	W.S. 0.00009~0.046	(W.S. 0.00005)	C.S. 36/37	C.S. 36/37	C.S. 0.00005~0.0052	(C.S. 0.00003)						
743-5	Pentabromodiphenyl ethers	32534-81-9	2001															32/36	12/12	0.0001~0.0093	(0.00009)						743-5		
			2004					1/12	1/4	0.000050	(0.000035)								9/9	3/3	0.00035~0.0054	(0.00006)							
			2005	0/3	0/1	—	(0.00032*)																						
			2008										Bivalves 31/31	Bivalves 7/7	Bivalves 0.000011~0.000094	(Bivalves 0.000059)													
			2009	43/49	43/49	0.000004~0.000087	(0.000004)	146/192	57/64	0.000008~0.0017	(0.000008)									W.S. 33/37	W.S. 33/37	W.S. 0.00006~0.018	(W.S. 0.00006)						
			2010	25/49	25/49	0.0000006~0.00013	(0.000001)	58/64	58/64	0.000002~0.00074	(0.000002)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000009~0.000098	(Bivalves 0.000006)	W.S. 35/37	W.S. 35/37	W.S. 0.00007~0.045	(W.S. 0.00005)	C.S. 34/37	C.S. 34/37	C.S. 0.00005~0.028	(C.S. 0.00005)						
743-5-1	2,2',4,4',5-Pentabromodiphenyl ether (PBDE#99)	60348-60-9	2009	44/49	44/49	0.000003~0.000072	(0.000003)	130/192	54/64	0.000008~0.0010	(0.000008)							W.S. 34/37	W.S. 34/37	W.S. 0.00004~0.014	(W.S. 0.00004)						743-5-1		
			2010	22/49	22/49	0.0000005~0.000091	(0.000001)	56/64	56/64	0.000002~0.00044	(0.000002)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000009~0.000066	(Bivalves 0.000006)	W.S. 33/37	W.S. 33/37	W.S. 0.00005~0.036	(W.S. 0.00005)	C.S. 32/37	C.S. 32/37	C.S. 0.00005~0.021	(C.S. 0.00005)						
743-6	Hexabromodiphenyl ethers	36483-60-0	1987	0/75	0/25	—	(0.04)	4/69	2/23	0.007~0.077	(0.0051)	Fish 5/75	Fish 3/24	Fish 0.0038~0.014	(Fish 0.002)													743-6	
			1988	0/150	0/50	—	(0.04)	4/141	2/47	0.0045~0.018	(0.0035)	Fish 5/144	Fish 3/48	Fish 0.002~0.006	(Fish 0.002)														
			2001																	27/36	12/12	0.00011~0.011	(0.00010)						
			2003					0/9	0/3	—	(0.0005)	Fish 0/9	Fish 0/3	Fish —	(Fish 0.0005)														
			2004																	6/9	2/3	0.0004~0.0012	(0.00018)						
			2005	0/3	0/1	—	(0.00027*)																						
			2008										Bivalves 31/31	Bivalves 7/7	Bivalves 0.000053~0.000082	(Bivalves 0.000050)													
2009	26/49	26/49	0.0000007~0.000018	(0.0000006)	139/192	53/64	0.000002~0.0026	(0.000002)									W.S. 19/37	W.S. 19/37	W.S. 0.00011~0.0020	(W.S. 0.00009)									
2010	16/49	16/49	0.0000003~0.000051	(0.000002)	57/64	57/64	0.000002~0.00077	(0.000002)	Bivalves 4/6	Bivalves 4/6	Bivalves 0.000012~0.000026	(Bivalves 0.000003)	W.S. 29/37	W.S. 29/37	W.S. 0.00006~0.0049	(W.S. 0.00006)	C.S. 31/37	C.S. 31/37	C.S. 0.00007~0.0054	(C.S. 0.00006)									
743-6-1	2,2',4,4',5,5'-Hexabromodiphenyl ether (PBDE#153)	68631-49-2	2009	18/49	18/49	0.0000007~0.000011	(0.0000006)	107/192	41/64	0.000004~0.0021	(0.000004)							W.S. 12/37	W.S. 12/37	W.S. 0.00006~0.00089	(W.S. 0.00006)						743-6-1		
			2010	6/49	6/49	0.0000001~0.000039	(0.0000002)	48/64	48/64	0.000002~0.00043	(0.000002)	Bivalves 1/6	Bivalves 1/6	Bivalves 0.000004~0.000004	(Bivalves 0.000003)	W.S. 16/37	W.S. 16/37	W.S. 0.00005~0.0021	(W.S. 0.00004)	C.S. 26/37	C.S. 26/37	C.S. 0.00004~0.0024	(C.S. 0.00004)						
743-6-2	2,2',4,4',5,6'-Hexabromodiphenyl ether (PBDE#154)	207122-15-4	2009	25/49	25/49	0.0000007~0.000004	(0.0000006)	135/192	51/64	0.000002~0.00018	(0.000002)							W.S. 16/37	W.S. 16/37	W.S. 0.00003~0.00090	(W.S. 0.00003)						743-6-2		
			2010	3/49	3/49	0.0000002~0.000010	(0.0000002)	57/64	57/64	0.0000007~0.000072	(0.0000007)	Bivalves 3/6	Bivalves 3/6	Bivalves 0.000004~0.000010	(Bivalves 0.000002)	W.S. 10/37	W.S. 10/37	W.S. 0.00006~0.0020	(W.S. 0.00006)	C.S. 21/37	C.S. 21/37	C.S. 0.00003~0.0033	(C.S. 0.00003)						
																		C.S. 18/37	C.S. 18/37	C.S. 0.00006~0.0018	(C.S. 0.00006)								

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
743-7	Heptabromodiphenyl ethers	68928-80-3	2001																				743-7		
			2004																						
			2005	0/3	0/1	—	(0.00010*)																		
			2008																						
			2009	9/49	9/49	0.000003~0.000040	(0.000002)	125/192	51/64	0.000004~0.016	(0.000004)														
743-7-1	Total of 2,2',3,4,4',5',6'-Heptabromodiphenyl ether (PBDE#175) and 2,2',3,4,4',5',6'-Heptabromodiphenyl ether (PBDE#183)	446255-22-7 207122-16-5	2009	9/49	9/49	0.000003~0.000040	(0.000002)	108/192	44/64	0.000008~0.0040	(0.000007)												743-7-1		
			2010	10/49	10/49	0.000001~0.000005	(0.000001)	54/64	54/64	0.000002~0.00049	(0.000002)														
743-8	Octabromodiphenyl ethers	32536-52-0	1987	0/75	0/25	—	(0.1)	3/51	1/17	0.008~0.021	(0.007)	Fish 0/75	Fish 0/24	Fish —	(Fish 0.005)								743-8		
			1988	0/147	0/49	—	(0.07)	3/135	1/45	0.015~0.022	(0.005)	Fish 0/144	Fish 0/48	Fish —	(Fish 0.004)										
			2002																						
			2003	0/114	0/38	—	(0.003)																		
			2004																						
			2008																						
			2009	37/49	37/49	0.000008~0.000056	(0.0000006)	182/192	63/64	0.000005~0.11	(0.0000005)														
743-9	Nonabromodiphenyl ethers	63936-56-1	2005	0/3	0/1	—	(0.00072*)															743-9			
			2008																						
743-10	Decabromodiphenyl ether (PBDE#209)	1163-19-5	1977	0/15	0/7	—	(0.2~2.5)	0/15	0/7	—	(0.025~0.87)												743-10		
			1987	0/75	0/25	—	(0.1)	16/60	6/20	0.010~1.37	(0.007)	Fish 0/75	Fish 0/24	Fish —	(Fish 0.005)										
			1988	0/141	0/47	—	(0.06)	39/129	15/43	0.004~6	(0.004)	Fish 0/138	Fish 0/46	Fish —	(Fish 0.005)										
			1996	0/33	0/11	—	(0.2)	15/33	6/11	0.030~0.58	(0.025)														
			2002	2/114	1/38	0.24~0.59	(0.12)	82/186	34/62	0.010~4.4	(0.0097)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.00025)										
743-10	Decabromodiphenyl ether (PBDE#209)	1163-19-5	2003					6/15	2/5	0.037~0.076	(0.0097)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.001)										
			2005	0/18	0/6	—	(0.0013)																		
			2008																						
			2009	26/49	26/49	0.00021~0.0034	(0.0002)	192/192	64/64	0.00003~0.88	(0.00002)														
			2010	31/49	31/49	0.00012~0.013	(0.0001)	60/64	60/64	0.00011~0.70	(0.00008)														
	Polychlorinateddibenzo-p-dioxins	See Dioxins (Polychlorinateddibenzo-p-dioxins)																							
	Polychlorinateddibenzofurans	See Dioxins (Polychlorinateddibenzofurans)																							

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
743-1	Polychlorobiphenyl Monochlorobiphenyls	See Polyvinyl chloride 27323-18-8	2000	27/28	27/28	0.000026~0.000019	(0.000002)	34/36	34/36	0.000011~0.0023	(0.000009)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.0000045~0.00011	(Bivalves & Fish 0.0000005)	16/17	16/17	0.00088~0.047	(0.0003)			743-1		
			2001	16/29	16/29	0.000030~0.00018	(0.00002~0.000006)	39/39	39/39	0.000008~0.0014	(0.000002~0.000008)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0000076~0.00026	(Bivalves & Fish 0.0000005~0.0000006)	15/15	15/15	0.0015~0.024	(0.0003~0.0005)					
			2002	112/114	38/38	0.0000074~0.000018	(0.0000006)	186/189	63/63	0.0000091~0.0028	(0.0000007)	Bivalves 31/38 Fish 48/70 Birds 1/10	Bivalves 8/8 Fish 8/14 Birds 1/2	Bivalves 0.000009~0.00018 Fish 0.000007~0.000079 Birds 0.000008	(Bivalves 0.0000007 Fish 0.0000007 Birds 0.000007)	6/102	34/34	0.030~0.12	(0.03)					
			2003	36/36	36/36	0.0000093~0.000015	(0.000004)	186/186	62/62	0.0000070~0.013	(0.000004)	Bivalves 30/30 Fish 68/70 Birds 3/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000084~0.000026 Fish 0.0000069~0.000015 Birds 0.0000074~0.0000085	(Bivalves 0.0000069 Fish 0.0000069 Birds 0.0000069)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0021~0.032 C.S. 0.0017~0.058	(W.S. 0.000041 C.S. 0.000041)					
			2004	37/38	37/38	0.000007~0.000013	(0.000006)	180/189	61/63	0.000006~0.0034	(0.000006)	Bivalves 15/31 Fish 31/70 Birds 0/10	Bivalves 4/7 Fish 8/14 Birds 0/2	Bivalves 0.0000026~0.000024 Fish 0.0000025~0.000045 Birds —	(Bivalves 0.0000024 Fish 0.0000024 Birds 0.0000024)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0014~0.030 C.S. 0.0023~0.084	(W.S. 0.00004 C.S. 0.00004)					
			2005	47/47	47/47	0.000007~0.000024	(0.000005)	178/189	62/63	0.000005~0.0028	(0.000005)	Bivalves 7/31 Fish 32/80 Birds 0/10	Bivalves 3/7 Fish 8/16 Birds 0/2	Bivalves 0.0000026~0.000028 Fish 0.0000026~0.000065 Birds —	(Bivalves 0.0000026 Fish 0.0000026 Birds 0.0000026)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0011~0.031 C.S. 0.0021~0.040	(W.S. 0.000054 C.S. 0.000054)					
			2006	44/48	44/48	0.000001~0.000015	(0.000001)	192/192	64/64	0.000006~0.0034	(0.000002)	Bivalves 22/31 Fish 38/80 Birds 0/10	Bivalves 6/7 Fish 9/16 Birds 0/2	Bivalves 0.000002~0.000014 Fish 0.000002~0.000071 Birds —	(Bivalves 0.000002 Fish 0.000002 Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0015~0.033 C.S. 0.00087~0.034	(W.S. 0.00001 C.S. 0.00001)					
			2007	39/48	39/48	0.0000093	(0.000003)	192/192	64/64	0.000002~0.004	(0.000002)	Bivalves 14/31 Fish 33/80 Birds 0/10	Bivalves 4/7 Fish 8/16 Birds 0/2	Bivalves 0.000002~0.000012 Fish 0.000002~0.000069 Birds —	(Bivalves 0.000002 Fish 0.000002 Birds 0.000002)	W.S. 24/24 C.S. 22/22	W.S. 24/24 C.S. 22/22	W.S. 0.0016~0.026 C.S. 0.0022~0.025	(W.S. 0.000007 C.S. 0.000007)					
			2008	47/48	47/48	0.000006~0.000096	(0.000004)	189/192	64/64	0.000004~0.0028	(0.000003)	Bivalves 31/31 Fish 58/85 Birds 0/10	Bivalves 7/7 Fish 14/17 Birds 0/2	Bivalves 0.000001~0.000018 Fish 0.000001~0.000051 Birds —	(Bivalves 0.000001 Fish 0.000001 Birds 0.000001)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.0020~0.034 C.S. 0.0024~0.035	(W.S. 0.00003 C.S. 0.00003)					
			2009	35/49	35/49	0.000004~0.000086	(0.000004)	191/192	64/64	0.000002~0.0036	(0.000001)	Bivalves 30/31 Fish 73/90 Birds 0/10	Bivalves 7/7 Fish 17/18 Birds 0/2	Bivalves 0.000007~0.000013 Fish 0.000007~0.00010 Birds —	(Bivalves 0.000007 Fish 0.000007 Birds 0.000007)	W.S. 34/34 C.S. 34/34	W.S. 34/34 C.S. 34/34	W.S. 0.0027~0.078 C.S. 0.0024~0.075	(W.S. 0.00002 C.S. 0.00002)					
2010	47/49	47/49	0.000002~0.000071	(0.000002)	64/64	64/64	0.000003~0.0015	(0.000003)	Bivalves 3/6 Fish 11/18 Birds 1/2	Bivalves 3/6 Fish 11/18 Birds 1/2	Bivalves 0.0000033~0.000016 Fish 0.0000010~0.000055 Birds 0.0000011	(Bivalves 0.0000008 Fish 0.0000008 Birds 0.0000008)	W.S. 35/35 C.S. 35/35	W.S. 35/35 C.S. 35/35	W.S. 0.0017~0.072 C.S. 0.0013~0.045	(W.S. 0.0002 C.S. 0.0002)								
743-2	Dichlorobiphenyls	25512-42-9	2000	28/28	28/28	0.000011~0.00093	(0.0000004)	36/36	36/36	0.0000016~0.022	(0.0000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000041~0.0033	(Bivalves & Fish 0.0000002)	17/17	17/17	0.0092~0.16	(0.000004)			743-2		
			2001	28/29	28/29	0.0000096~0.00064	(0.0000004~0.000030)	39/39	39/39	0.000018~0.027	(0.0000004~0.000010)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000012~0.0017	(Bivalves & Fish 0.0000002~0.0000004)	15/15	15/15	0.016~0.23	(0.000004~0.0005)					
			2002	114/114	38/38	0.0000064~0.00041	(0.0000020)	189/189	63/63	0.0000045~0.035	(0.0000003)	Bivalves 38/38 Fish 67/70 Birds 9/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.0000045~0.00084 Fish 0.0000022~0.0031 Birds 0.0000015~0.000013	(Bivalves 0.0000009 Fish 0.0000009 Birds 0.0000009)	102/102	34/34	0.0048~0.12	(0.001)					
			2003	36/36	36/36	0.000035~0.00013	(0.000002)	186/186	62/62	0.0000049~0.19	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000028~0.00051 Fish 0.0000060~0.00070 Birds 0.0000058~0.000093	(Bivalves 0.0000025 Fish 0.0000025 Birds 0.0000025)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0079~0.14 C.S. 0.0032~0.063	(W.S. 0.00033 C.S. 0.00033)					
			2004	38/38	38/38	0.000027~0.00018	(0.0000003)	189/189	63/63	0.0000052~0.051	(0.0000003)	Bivalves 31/31 Fish 70/70 Birds 6/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000029~0.00069 Fish 0.0000063~0.0011 Birds 0.0000065~0.000079	(Bivalves 0.0000061 Fish 0.0000061 Birds 0.0000061)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0064~0.23 C.S. 0.0039~0.40	(W.S. 0.00033 C.S. 0.00033)					
			2005	47/47	47/47	0.000014~0.00065	(0.0000024)	189/189	63/63	0.0000053~0.027	(0.0000034)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000020~0.00097 Fish 0.0000072~0.0030 Birds 0.0000058~0.000090	(Bivalves 0.0000049 Fish 0.0000049 Birds 0.0000049)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0049~0.15 C.S. 0.0035~0.12	(W.S. 0.000014 C.S. 0.000014)					
			2006	45/48	45/48	0.000003~0.00057	(0.0000003)	192/192	64/64	0.0000068~0.025	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000019~0.00076 Fish 0.000007~0.0029 Birds 0.000006~0.000020	(Bivalves 0.000002 Fish 0.000002 Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0032~0.31 C.S. 0.0031~0.059	(W.S. 0.00004 C.S. 0.00004)					



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	44/48	44/48	0.000024~0.00029	(0.0000002)	192/192	64/64	0.0000031~0.026	(0.0000008)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000021~0.00046 Fish 0.000005~0.0024 Birds 0.000003~0.000006	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 24/24 C.S. 22/22	W.S. 24/24 C.S. 22/22	W.S. 0.014~0.14 C.S. 0.0079~0.051	(W.S. 0.00002) (C.S. 0.00002)					
			2008	48/48	48/48	0.000011~0.00018	(0.0000006)	192/192	64/64	0.0000027~0.031	(0.0000002)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000032~0.00071 Fish 0.000006~0.0013 Birds 0.000005~0.000010	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.020~0.15 C.S. 0.0064~0.24	(W.S. 0.0001) (C.S. 0.0001)					
			2009	48/48	48/48	0.0000031~0.00014	(0.0000005)	190/192	64/64	0.000003~0.071	(0.0000002)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000025~0.0014 Fish 0.000005~0.0025 Birds 0.000003~0.000005	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 34/34 C.S. 34/34	W.S. 34/34 C.S. 34/34	W.S. 0.012~0.20 C.S. 0.0057~0.083	(W.S. 0.0001) (C.S. 0.0001)					
			2010	22/49	22/49	0.000005~0.00017	(0.0000005)	59/64	59/64	0.000005~0.017	(0.0000005)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000024~0.0003 Fish 0.000005~0.0021 Birds 0.000007~0.000016	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 35/35	W.S. 35/35 C.S. 35/35	W.S. 0.012~0.12 C.S. 0.0055~0.17	(W.S. 0.0009) (C.S. 0.0009)					
743-3	Trichlorobiphenyls	25323-68-6	2000	28/28	28/28	0.000026~0.0038	(0.00000003)	36/36	36/36	0.0000084~0.15	(0.00000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00011~0.044	(Bivalves & Fish 0.00000002)	17/17	17/17	0.022~0.59	(0.00001)			743-3		
			2001	28/29	28/29	0.00000077~0.0015	(0.00000003~0.000020)	39/39	39/39	0.00000011~0.079	(0.00000009~0.000007)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000092~0.028	(Bivalves & Fish 0.00000002~0.0000005)	15/15	15/15	0.023~0.62	(0.00001~0.002)					
			2002	114/114	38/38	0.0000061~0.0026	(0.00000003)	189/189	63/63	0.000010~0.18	(0.00000003)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000015~0.016 Fish 0.000012~0.049 Birds 0.0000037~0.00044	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	102/102	34/34	0.0055~0.48	(0.0005)					
			2003	36/36	36/36	0.000047~0.00057	(0.00000002)	186/186	62/62	0.0000051~1.4	(0.00000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000048~0.0091 Fish 0.000015~0.019 Birds 0.000007~0.00049	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.013~0.43 C.S. 0.0056~0.23	(W.S. 0.0011) (C.S. 0.0011)					
			2004	38/38	38/38	0.000025~0.00099	(0.00000003)	189/189	63/63	0.0000059~0.19	(0.00000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000083~0.010 Fish 0.000018~0.038 Birds 0.0000070~0.00025	(Bivalves 0.0000038) (Fish 0.0000038) (Birds 0.0000038)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0079~0.90 C.S. 0.0064~0.90	(W.S. 0.00023) (C.S. 0.00023)					
			2005	47/47	47/47	0.000029~0.0023	(0.00000024)	189/189	63/63	0.0000064~0.22	(0.00000024)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000036~0.0086 Fish 0.000025~0.044 Birds 0.000092~0.00029	(Bivalves 0.0000037) (Fish 0.0000037) (Birds 0.0000037)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0063~0.55 C.S. 0.0044~0.19	(W.S. 0.00014) (C.S. 0.00014)					
			2006	47/48	47/48	0.0000009~0.0014	(0.00000003)	192/192	64/64	0.0000083~0.16	(0.00000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000032~0.0060 Fish 0.000023~0.040 Birds 0.000010~0.00031	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0090~0.68 C.S. 0.0040~0.28	(W.S. 0.00005) (C.S. 0.00005)					
			2007	44/48	44/48	0.0000030~0.00084	(0.00000003)	191/192	64/64	0.0000028~0.18	(0.00000008)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000041~0.0051 Fish 0.000024~0.055 Birds 0.000005~0.00023	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 24/24 C.S. 22/22	W.S. 24/24 C.S. 22/22	W.S. 0.013~0.34 C.S. 0.0060~0.080	(W.S. 0.00001) (C.S. 0.00001)					
			2008	48/48	48/48	0.000017~0.0012	(0.00000005)	192/192	64/64	0.0000014~0.12	(0.00000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000038~0.0079 Fish 0.000017~0.019 Birds 0.000007~0.00036	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 24/24 C.S. 36/36	W.S. 24/24 C.S. 36/36	W.S. 0.012~0.22 C.S. 0.0048~0.94	(W.S. 0.00006) (C.S. 0.00006)					
			2009	43/48	43/48	0.000002~0.0013	(0.00000002)	191/192	64/64	0.0000034~0.52	(0.00000004)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000034~0.015 Fish 0.000015~0.039 Birds 0.000004~0.00013	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0090~0.48 C.S. 0.0062~0.19	(W.S. 0.00004) (C.S. 0.00004)					
			2010	25/49	25/49	0.000008~0.00081	(0.00000008)	60/64	60/64	0.000011~0.084	(0.000001)	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 0.000038~0.0034 Fish 0.000021~0.031 Birds 0.00018	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0079~0.37 C.S. 0.0055~0.23	(W.S. 0.0007) (C.S. 0.0007)					
743-4	Tetrachlorobiphenyls	26914-33-0	2000	28/28	28/28	0.000019~0.0027	(0.00000008)	36/36	36/36	0.0000089~0.26	(0.00000002)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00049~0.095	(Bivalves & Fish 0.00000004)	17/17	17/17	0.018~0.45	(0.0000008)			743-4		
			2001	28/29	28/29	0.0000009~0.0011	(0.00000008~0.000006)	39/39	39/39	0.0000006~0.16	(0.00000008~0.000005)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00037~0.14	(Bivalves & Fish 0.00000004~0.0000005)	15/15	15/15	0.014~0.29	(0.0000008~0.00008)					
			2002	114/114	38/38	0.000011~0.0048	(0.00000003)	189/189	63/63	0.000008~0.24	(0.00000004)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000031~0.082 Fish 0.00011~0.21 Birds 0.00011~0.0022	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	102/102	34/34	0.0030~0.18	(0.0009)					
			2003	36/36	36/36	0.000056~0.0014	(0.00000009)	186/186	62/62	0.0000074~2.2	(0.00000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00015~0.055 Fish 0.000067~0.053 Birds 0.00010~0.0029	(Bivalves 0.0000023) (Fish 0.0000023) (Birds 0.0000023)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0049~0.67 C.S. 0.0035~0.15	(W.S. 0.00058) (C.S. 0.00058)					
			2004	38/38	38/38	0.000039~0.0016	(0.00000002)	189/189	63/63	0.0000071~0.46	(0.00000009)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00026~0.049 Fish 0.000082~0.14 Birds 0.000090~0.0013	(Bivalves 0.0000027) (Fish 0.0000027) (Birds 0.0000027)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0052~0.75 C.S. 0.0034~0.25	(W.S. 0.00014) (C.S. 0.00014)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number					
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit			
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site	
			2005	47/47	47/47	0.000033~0.0038	(0.0000014)	189/189	63/63	0.0000073~0.32	(0.0000014)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000097~0.036 Fish 0.00011~0.13 Birds 0.000085~0.0017	(Bivalves 0.000022) (Fish 0.000022) (Birds 0.000022)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0036~0.55 C.S. 0.0040~0.051	(W.S. 0.000014) (C.S. 0.000014)								
			2006	47/48	47/48	0.000016~0.0019	(0.0000003)	192/192	64/64	0.0000063~0.24	(0.0000008)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000088~0.031 Fish 0.00012~0.086 Birds 0.000081~0.0019	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0026~0.39 C.S. 0.0026~0.094	(W.S. 0.00002) (C.S. 0.00002)								
			2007	48/48	48/48	0.000030~0.0013	(0.0000002)	192/192	64/64	0.000014~0.24	(0.0000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000041~0.0051 Fish 0.000024~0.055 Birds 0.000005~0.00023	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 23/23 C.S. 22/22	W.S. 23/23 C.S. 22/22	W.S. 0.0048~0.25 C.S. 0.0027~0.045	(W.S. 0.00001) (C.S. 0.00001)								
			2008	48/48	48/48	0.000057~0.0017	(0.0000002)	192/192	64/64	0.0000059~0.24	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.00014~0.029 Fish 0.000067~0.097 Birds 0.000043~0.0033	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0074~0.61 C.S. 0.0025~0.23	(W.S. 0.00002) (C.S. 0.00002)								
			2009	48/48	48/48	0.000042~0.0015	(0.0000002)	191/192	64/64	0.0000061~0.52	(0.0000002)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.00011~0.025 Fish 0.000062~0.10 Birds 0.000046~0.00075	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0036~0.25 C.S. 0.0026~0.071	(W.S. 0.00002) (C.S. 0.00002)								
			2010	40/49	40/49	0.000009~0.0011	(0.0000007)	59/64	59/64	0.00003~0.16	(0.000003)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00016~0.018 Fish 0.00013~0.084 Birds 0.000087~0.00086	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0040~0.18 C.S. 0.0028~0.11	(W.S. 0.0003) (C.S. 0.0003)								
743-4-1	3,3',4,4'-Tetrachlorobiphenyl (PCB#77)	32598-13-3	1990					2/3	2/3	0.0027~0.0037	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000019~0.00090	(Fish 0.000001)									743-4-1			
			1991					2/3	2/3	0.00049~0.0069	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000009~0.00039	(Fish 0.000001)												
			1992					3/3	3/3	0.000002~0.0066	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000027~0.00048	(Fish 0.000001)												
			1993					2/3	2/3	0.00023~0.0072	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000029~0.0013	(Fish 0.000001)												
			1994					2/3	2/3	0.0067~0.013	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000015~0.0013	(Fish 0.000001)												
			1995					2/3	2/3	0.00018~0.0052	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000023~0.00087	(Fish 0.000001)												
			1996					35/36	35/36	0.000001~0.0067	(0.000001)	Fish 35/35	Fish 35/35	Fish 0.000003~0.00048	(Fish 0.000001)												
			1997					37/40	37/40	0.000001~0.0040	(0.000001)	Bivalves & Fish 39/39	Fish 39/39	Fish 0.000001~0.00055	(Fish 0.000001)												
			2000	28/28	28/28	0.0000040~0.000017	(0.0000004)	35/36	35/36	0.0000011~0.00059	(0.0000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000017~0.00068	(Bivalves & Fish 0.000005)	16/16	16/16	0.00014~0.0057	(0.00001)								
			2001	27/29	27/29	0.0000007~0.000032	(0.0000006)	39/39	39/39	0.0000006~0.0036	(0.0000006)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000038~0.00045	(Bivalves & Fish 0.000001)	15/15	15/15	0.00011~0.0023	(0.00001)								
			2003	36/36	36/36	0.0000006~0.000019	(0.0000003)	186/186	62/62	0.0000003~0.049	(0.0000003)	Bivalves 30/30 Fish 70/70 Birds 5/10	Bivalves 6/6 Fish 14/14 Birds 1/2	Bivalves 0.000089~0.00039 Fish 0.000012~0.00023 Birds 0.000011~0.00018	(Bivalves 0.0000069) (Fish 0.0000069) (Birds 0.0000069)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000056~0.0038 C.S. 0.000019~0.00079	(W.S. 0.0000043) (C.S. 0.0000043)								
			2004	38/38	38/38	0.0000006~0.000033	(0.0000005)	182/189	61/63	0.0000004~0.010	(0.0000004)	Bivalves 31/31 Fish 68/70 Birds 5/10	Bivalves 7/7 Fish 14/14 Birds 1/2	Bivalves 0.000053~0.00039 Fish 0.000024~0.00050 Birds 0.000013~0.00016	(Bivalves 0.000022) (Fish 0.000022) (Birds 0.000022)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.000026~0.0052 C.S. 0.000031~0.0014	(W.S. 0.000016) (C.S. 0.000016)								
			2005	47/47	47/47	0.0000004~0.000038	(0.0000004)	184/189	62/63	0.0000005~0.0068	(0.0000004)	Bivalves 31/31 Fish 76/80 Birds 5/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.000034~0.00018 Fish 0.000011~0.00043 Birds 0.000089~0.00014	(Bivalves 0.000011) (Fish 0.000011) (Birds 0.000011)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000016~0.0020 C.S. 0.000019~0.00031	(W.S. 0.000014) (C.S. 0.000014)								
2006	38/48	38/48	0.0000003~0.000023	(0.0000003)	192/192	64/64	0.0000002~0.0065	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 6/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000043~0.00017 Fish 0.000009~0.00033 Birds 0.000040~0.00013	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000017~0.0023 C.S. 0.000017~0.00037	(W.S. 0.000006) (C.S. 0.000006)											
2007	34/48	34/48	0.0000005~0.000023	(0.0000005)	188/192	64/64	0.0000003~0.0058	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 5/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.000040~0.00014 Fish 0.000009~0.00064 Birds 0.000093~0.00016	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000033~0.0020 C.S. 0.000018~0.00036	(W.S. 0.000006) (C.S. 0.000006)											
			2008	38/48	38/48	0.0000003~0.000036	(0.0000003)	192/192	64/64	0.0000003~0.0057	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 5/10	Bivalves 7/7 Fish 17/17 Birds 1/2	Bivalves 0.000075~0.00016 Fish 0.000011~0.00030 Birds 0.000094~0.00016	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000034~0.0012 C.S. 0.000013~0.00045	(W.S. 0.000007) (C.S. 0.000007)								

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2009	45/49	45/49	0.0000002~0.0000015	(0.0000002)	191/192	64/64	0.0000004~0.013	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000042~0.00016	(Bivalves 0.0000003)	W.S. 37/37	W.S. 37/37	W.S. 0.000024~0.00015	(W.S. 0.000007)					
			2010	47/49	47/49	0.0000001~0.0000083	(0.0000001)	62/64	62/64	0.0000004~0.0035	(0.0000004)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000007~0.00012	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.000028~0.00014	(W.S. 0.000009)					
743-4-2	3,4,4',5-Tetrachlorobiphenyl (PCB#81)	70362-50-4	2000	2/28	2/28	0.00000040~0.00000050	(0.0000002)	28/36	28/36	0.0000009~0.00020	(0.0000004)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.0000070~0.000039	(Bivalves & Fish 0.0000009)	15/16	15/16	0.000020~0.00053	(0.00001)			743-4-2		
			2001	2/29	2/29	0.0000005~0.0000006	(0.0000004)	31/39	31/39	0.0000004~0.00010	(0.0000004)	Bivalves & Fish 26/36	Bivalves & Fish 26/36	Bivalves & Fish 0.0000030~0.000034	(Bivalves & Fish 0.0000002)	13/15	13/15	0.00002~0.00091	(0.00001)					
			2003	7/36	7/36	0.00000021~0.0000021	(0.0000002)	143/186	52/62	0.0000003~0.0020	(0.0000003)	Bivalves 14/30	Bivalves 3/6	Bivalves 0.0000016~0.000020	(Bivalves 0.0000015)	W.S. 35/35	W.S. 35/35	W.S. 0.0000072~0.00018	(W.S. 0.0000051)					
			2004	2/38	2/38	0.0000004~0.0000011	(0.0000004)	151/189	54/63	0.0000003~0.00029	(0.0000003)	Bivalves 12/31	Bivalves 4/7	Bivalves 0.0000016~0.00023	(Bivalves 0.0000013)	W.S. 27/37	W.S. 27/37	W.S. 0.000018~0.00033	(W.S. 0.000016)					
			2005	7/47	7/47	0.0000003~0.0000005	(0.0000002)	149/189	54/63	0.0000002~0.00023	(0.0000002)	Bivalves 17/31	Bivalves 5/7	Bivalves 0.0000013~0.000096	(Bivalves 0.0000012)	W.S. 37/37	W.S. 37/37	W.S. 0.0000020~0.00014	(W.S. 0.0000020)					
			2006	2/48	2/48	0.0000004~0.0000005	(0.0000004)	164/192	57/64	0.0000009~0.00019	(0.0000008)	Bivalves 21/31	Bivalves 5/7	Bivalves 0.0000007~0.000098	(Bivalves 0.0000007)	W.S. 36/37	W.S. 36/37	W.S. 0.000004~0.00019	(W.S. 0.000004)					
			2007	8/48	8/48	0.0000002~0.0000004	(0.0000002)	147/192	54/64	0.0000002~0.00017	(0.0000002)	Bivalves 20/31	Bivalves 5/7	Bivalves 0.0000007~0.000081	(Bivalves 0.0000007)	W.S. 32/36	W.S. 32/36	W.S. 0.00002~0.00016	(W.S. 0.00001)					
			2008	10/48	10/48	0.0000002~0.0000005	(0.0000002)	151/192	56/64	0.0000002~0.00017	(0.0000002)	Bivalves 21/31	Bivalves 6/7	Bivalves 0.0000006~0.000093	(Bivalves 0.0000006)	W.S. 35/37	W.S. 35/37	W.S. 0.000006~0.00018	(W.S. 0.000005)					
			2009	3/49	3/49	0.0000003~0.0000005	(0.0000003)	146/192	55/64	0.0000003~0.00053	(0.0000002)	Bivalves 18/31	Bivalves 5/7	Bivalves 0.0000007~0.000011	(Bivalves 0.0000006)	W.S. 31/37	W.S. 31/37	W.S. 0.000008~0.000088	(W.S. 0.000007)					
			2010	7/49	7/49	0.00000019~0.00000031	(0.0000009)	59/64	59/64	0.0000001~0.00010	(0.0000001)	Bivalves 1/6	Bivalves 1/6	Bivalves 0.000011~0.000011	(Bivalves 0.000002)	W.S. 30/37	W.S. 30/37	W.S. 0.000010~0.000076	(W.S. 0.000009)					
743-5	Pentachlorobiphenyls	25429-29-2	2000	28/28	28/28	0.0000086~0.00072	(0.0000003)	36/36	36/36	0.000015~0.20	(0.0000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00088~0.080	(Bivalves & Fish 0.0000002)	17/17	17/17	0.0099~0.65	(0.000002)			743-5		
			2001	28/29	28/29	0.0000006~0.00044	(0.0000003~0.000005)	39/39	39/39	0.000023~0.12	(0.0000003~0.000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00087~0.19	(Bivalves & Fish 0.0000002~0.0000004)	15/15	15/15	0.0057~0.36	(0.000002~0.00002)					
			2002	114/114	38/38	0.0000064~0.0023	(0.0000002)	189/189	63/63	0.0000045~0.13	(0.0000004)	Bivalves 38/38	Bivalves 8/8	Bivalves 0.000037~0.043	(Bivalves 0.000001)	102/102	34/34	0.0012~0.20	(0.0004)					
			2003	36/36	36/36	0.000042~0.00071	(0.0000007)	186/186	62/62	0.0000085~0.97	(0.0000002)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.00027~0.042	(Bivalves 0.000019)	W.S. 35/35	W.S. 35/35	W.S. 0.0028~1.1	(W.S. 0.00011)					
			2004	38/38	38/38	0.000024~0.00095	(0.0000002)	189/189	63/63	0.0000095~0.24	(0.0000006)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00044~0.046	(Bivalves 0.000022)	W.S. 37/37	W.S. 37/37	W.S. 0.0024~1.6	(W.S. 0.000089)					
			2005	47/47	47/47	0.000021~0.0011	(0.0000014)	189/189	63/63	0.0000073~0.15	(0.00000054)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00023~0.027	(Bivalves 0.000018)	W.S. 37/37	W.S. 37/37	W.S. 0.0024~0.74	(W.S. 0.000024)					
			2006	48/48	48/48	0.0000027~0.00075	(0.0000001)	192/192	64/64	0.0000061~0.20	(0.0000009)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00020~0.026	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.0022~0.53	(W.S. 0.00006)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	48/48	48/48	0.000034~0.00062	(0.000002)	192/192	64/64	0.000043~0.17	(0.0000008)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00029~0.021 Fish 0.00018~0.16 Birds 0.00045~0.0039	(Bivalves 0.00001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.0024~0.90 C.S. 0.0014~0.13	(W.S. 0.000009) (C.S. 0.000009)					
			2008	48/48	48/48	0.000054~0.00081	(0.000001)	192/192	64/64	0.000055~0.12	(0.0000005)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.00025~0.020 Fish 0.00013~0.12 Birds 0.00035~0.015	(Bivalves 0.00001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0041~0.43 C.S. 0.0013~0.11	(W.S. 0.00001) (C.S. 0.00001)					
			2009	49/49	49/49	0.000026~0.00065	(0.000003)	192/192	64/64	0.000069~0.29	(0.000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.00022~0.021 Fish 0.00019~0.085 Birds 0.00048~0.0027	(Bivalves 0.00001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0022~0.64 C.S. 0.0014~0.13	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.000004~0.00052	(0.000002)	59/64	59/64	0.000066~0.14	(0.00004)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00040~0.015 Fish 0.00025~0.071 Birds 0.00076~0.0022	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0025~0.46 C.S. 0.0015~0.13	(W.S. 0.0002) (C.S. 0.0002)					
743-5-1	2,3,3',4,4'-Pentachlorobiphenyl (PCB#105)	32598-14-4	2000	28/28	28/28	0.0000020~0.000030	(0.000003)	35/36	35/36	0.000020~0.014	(0.000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00032~0.0052	(Bivalves & Fish 0.000009)	16/16	16/16	0.00021~0.027	(0.000003)			743-5-1		
			2001	27/29	27/29	0.0000006~0.000014	(0.000004)	39/39	39/39	0.000011~0.0062	(0.000004)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00038~0.0084	(Bivalves & Fish 0.000002)	14/15	14/15	0.00013~0.0060	(0.000003)					
			2003	36/36	36/36	0.0000013~0.000026	(0.000007)	173/186	59/62	0.000021~0.066	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 7/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000020~0.0020 Fish 0.000012~0.0022 Birds 0.0000024~0.0011	(Bivalves 0.000022) (Fish 0.0000022) (Birds 0.0000022)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00008~0.023 C.S. 0.000056~0.0046	(W.S. 0.000072) (C.S. 0.000072)					
			2004	32/38	32/38	0.000002~0.000054	(0.000002)	189/189	63/63	0.000006~0.014	(0.000004)	Bivalves 31/31 Fish 70/70 Birds 6/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000016~0.0024 Fish 0.000022~0.0078 Birds 0.000017~0.00033	(Bivalves 0.000014) (Fish 0.0000014) (Birds 0.0000014)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.000069~0.032 C.S. 0.000044~0.0047	(W.S. 0.000042) (C.S. 0.000042)					
			2005	44/47	44/47	0.0000008~0.000032	(0.000001)	189/189	63/63	0.000006~0.013	(0.000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000018~0.0011 Fish 0.0000096~0.0088 Birds 0.000011~0.00056	(Bivalves 0.000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000042~0.013 C.S. 0.000036~0.0013	(W.S. 0.000024) (C.S. 0.000024)					
			2006	33/48	33/48	0.0000010~0.000030	(0.000010)	192/192	64/64	0.000004~0.012	(0.000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000013~0.0010 Fish 0.000011~0.0042 Birds 0.000002~0.00083	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000037~0.0053 C.S. 0.000029~0.0016	(W.S. 0.000005) (C.S. 0.000005)					
			2007	46/48	46/48	0.0000002~0.000026	(0.000002)	191/192	64/64	0.000006~0.0084	(0.000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000019~0.00077 Fish 0.000011~0.0068 Birds 0.000009~0.00039	(Bivalves 0.000007) (Fish 0.0000007) (Birds 0.000007)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000076~0.016 C.S. 0.000029~0.0025	(W.S. 0.000007) (C.S. 0.000007)					
			2008	48/48	48/48	0.0000004~0.000035	(0.000002)	192/192	64/64	0.000006~0.0073	(0.000001)	Bivalves 31/31 Fish 85/85 Birds 5/10	Bivalves 7/7 Fish 17/17 Birds 1/2	Bivalves 0.000015~0.00080 Fish 0.000012~0.0048 Birds 0.00026~0.0019	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000073~0.0078 C.S. 0.000022~0.0024	(W.S. 0.000008) (C.S. 0.000008)					
			2009	43/49	43/49	0.0000006~0.000032	(0.000006)	192/192	64/64	0.000006~0.020	(0.000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000014~0.00098 Fish 0.000012~0.0031 Birds 0.000009~0.00029	(Bivalves 0.000006) (Fish 0.0000006) (Birds 0.000006)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00005~0.011 C.S. 0.00003~0.0025	(W.S. 0.00001) (C.S. 0.00001)					
			2010	48/49	48/49	0.0000002~0.000017	(0.000002)	63/64	63/64	0.000001~0.0062	(0.000001)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000024~0.00067 Fish 0.000021~0.0027 Birds 0.000002~0.00021	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000062~0.0092 C.S. 0.000033~0.0030	(W.S. 0.000006) (C.S. 0.000006)					
743-5-2	2,3,4,4',5'-Pentachlorobiphenyl (PCB#114)	74472-37-0	2000	15/28	15/28	0.0000030~0.000020	(0.000002)	32/36	32/36	0.0000060~0.00097	(0.000004)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000021~0.00041	(Bivalves & Fish 0.000001)	16/16	16/16	0.000030~0.0017	(0.00001)			743-5-2		
			2001	16/29	16/29	0.0000003~0.000034	(0.000003)	36/39	36/39	0.000004~0.00050	(0.000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000019~0.00074	(Bivalves & Fish 0.000002)	15/15	15/15	0.00002~0.00057	(0.00001)					
			2003	36/36	36/36	0.0000001~0.000012	(0.000001)	164/186	56/62	0.000003~0.0055	(0.000003)	Bivalves 30/30 Fish 69/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000012~0.000097 Fish 0.000011~0.00016 Birds 0.000011~0.00087	(Bivalves 0.000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0000091~0.00019 C.S. 0.0000088~0.00031	(W.S. 0.0000082) (C.S. 0.0000082)					
			2004	35/38	35/38	0.0000002~0.000035	(0.000002)	162/189	56/63	0.000003~0.0012	(0.000003)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000030~0.00018 Fish 0.000022~0.00077 Birds 0.000012~0.00040	(Bivalves 0.0000077) (Fish 0.0000077) (Birds 0.0000077)	W.S. 33/37 C.S. 26/37	W.S. 33/37 C.S. 26/37	W.S. 0.000022~0.00028 C.S. 0.000021~0.00050	(W.S. 0.00002) (C.S. 0.00002)					
			2005	28/47	28/47	0.0000004~0.000020	(0.000002)	171/189	60/63	0.000002~0.0011	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000020~0.00084 Fish 0.000011~0.00089 Birds 0.000012~0.00059	(Bivalves 0.0000063) (Fish 0.0000063) (Birds 0.0000063)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000040~0.00099 C.S. 0.0000050~0.00011	(W.S. 0.000024) (C.S. 0.000024)					
			2006	10/48	10/48	0.0000007~0.000015	(0.000005)	171/192	59/64	0.000002~0.00075	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000013~0.00080 Fish 0.000012~0.00041 Birds 0.0000088~0.00012	(Bivalves 0.000008) (Fish 0.0000008) (Birds 0.000008)	W.S. 37/37 C.S. 34/37	W.S. 37/37 C.S. 34/37	W.S. 0.000006~0.00045 C.S. 0.000006~0.00011	(W.S. 0.000006) (C.S. 0.000006)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	10/48	10/48	0.0000005~0.0000014	(0.0000004)	161/192	57/64	0.0000003~0.0000067	(0.0000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000001~0.000054	(Bivalves 0.000001)	W.S. 36/36	W.S. 36/36	W.S. 0.000009~0.00014	(W.S. 0.000005)					
			2008	25/48	25/48	0.0000007~0.0000021	(0.0000002)	185/192	64/64	0.0000001~0.0000065	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000010~0.000053	(Bivalves 0.0000009)	W.S. 37/37	W.S. 37/37	W.S. 0.000009~0.00071	(W.S. 0.000008)					
			2009	11/49	11/49	0.0000004~0.0000017	(0.0000004)	186/192	64/64	0.0000001~0.0015	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000007~0.000061	(Bivalves 0.0000006)	W.S. 36/37	W.S. 36/37	W.S. 0.000008~0.0011	(W.S. 0.000008)					
			2010	32/49	32/49	0.00000045~0.0000011	(0.0000001)	62/64	62/64	0.0000009~0.00043	(0.0000009)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000001~0.00038	(Bivalves 0.000001)	W.S. 35/37	W.S. 35/37	W.S. 0.000009~0.00087	(W.S. 0.000009)					
743-5-3	2,3',4,4',5'-Pentachlorobiphenyl (PCB#118)	31508-00-6	2000	28/28	28/28	0.0000070~0.00010	(0.0000003)	36/36	36/36	0.0000030~0.032	(0.0000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00015~0.011	(Bivalves & Fish 0.0000007)	16/16	16/16	0.00074~0.078	(0.00001)			743-5-3		
			2001	25/29	25/29	0.0000020~0.000037	(0.0000020)	39/39	39/39	0.0000030~0.0092	(0.0000010)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00013~0.029	(Bivalves & Fish 0.0000003)	15/15	15/15	0.0004~0.024	(0.00001)					
			2003	36/36	36/36	0.0000036~0.000087	(0.0000002)	183/186	62/62	0.0000021~0.13	(0.0000002)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.000049~0.0053	(Bivalves 0.0000037)	W.S. 35/35	W.S. 35/35	W.S. 0.00019~0.085	(W.S. 0.0000050)					
			2004	35/38	35/38	0.000004~0.00012	(0.0000004)	189/189	63/63	0.0000011~0.039	(0.0000005)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000073~0.0056	(Bivalves 0.0000068)	W.S. 37/37	W.S. 37/37	W.S. 0.00016~0.12	(W.S. 0.000081)					
			2005	47/47	47/47	0.000002~0.00012	(0.0000002)	189/189	63/63	0.0000010~0.028	(0.00000064)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000050~0.0030	(Bivalves 0.0000071)	W.S. 37/37	W.S. 37/37	W.S. 0.00013~0.043	(W.S. 0.000034)					
			2006	45/48	45/48	0.0000012~0.000091	(0.0000010)	192/192	64/64	0.0000008~0.025	(0.0000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000034~0.0028	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00016~0.016	(W.S. 0.00002)					
			2007	46/48	46/48	0.0000004~0.000082	(0.0000004)	192/192	64/64	0.0000009~0.022	(0.0000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000046~0.0021	(Bivalves 0.0000007)	W.S. 36/36	W.S. 36/36	W.S. 0.00018~0.063	(W.S. 0.000005)					
			2008	48/48	48/48	0.0000009~0.000097	(0.0000001)	192/192	64/64	0.0000007~0.016	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000037~0.0023	(Bivalves 0.0000009)	W.S. 37/37	W.S. 37/37	W.S. 0.00020~0.029	(W.S. 0.000009)					
			2009	48/49	48/49	0.0000008~0.000087	(0.0000006)	192/192	64/64	0.0000013~0.044	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000036~0.0025	(Bivalves 0.0000006)	W.S. 37/37	W.S. 37/37	W.S. 0.00014~0.044	(W.S. 0.000009)					
			2010	49/49	49/49	0.0000004~0.000055	(0.0000002)	61/64	61/64	0.0000005~0.017	(0.0000005)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000078~0.0019	(Bivalves 0.000002)	W.S. 37/37	W.S. 37/37	W.S. 0.00018~0.035	(W.S. 0.00002)					
743-5-4	2,3',4,4',5'-Pentachlorobiphenyl (PCB#123)	65510-44-3	2000	8/28	8/28	0.0000060~0.0000018	(0.0000002)	29/36	29/36	0.0000021~0.00070	(0.0000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000029~0.00037	(Bivalves & Fish 0.0000007)	16/16	16/16	0.00020~0.0012	(0.000002)			743-5-4		
			2001	9/29	9/29	0.0000005~0.0000012	(0.0000005)	34/39	34/39	0.0000007~0.00014	(0.0000005)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000026~0.00058	(Bivalves & Fish 0.0000003)	14/15	14/15	0.00010~0.00050	(0.000002)					
			2003	36/36	36/36	0.0000001~0.0000034	(0.0000001)	163/186	55/62	0.0000003~0.0035	(0.0000003)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.000012~0.00012	(Bivalves 0.0000097)	W.S. 35/35	W.S. 35/35	W.S. 0.0000053~0.00078	(W.S. 0.0000052)					
			2004	28/38	28/38	0.0000002~0.0000032	(0.0000002)	167/189	57/63	0.0000002~0.00095	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000019~0.00015	(Bivalves 0.0000081)	W.S. 31/37	W.S. 31/37	W.S. 0.000025~0.0017	(W.S. 0.000018)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2005	43/47	43/47	0.0000005~0.0000021	(0.0000001)	182/189	62/63	0.0000001~0.0000084	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000011~0.0000068	(Bivalves 0.0000060)	W.S. 36/37	W.S. 36/37	W.S. 0.0000020~0.0000061	(W.S. 0.0000010)					
			2006	20/48	20/48	0.0000009~0.0000021	(0.0000003)	186/192	63/64	0.0000009~0.0000051	(0.0000009)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000008~0.0000069	(Bivalves 0.0000008)	W.S. 36/37	W.S. 36/37	W.S. 0.0000008~0.0000032	(W.S. 0.0000006)					
			2007	13/48	13/48	0.0000004~0.0000017	(0.0000004)	171/192	61/64	0.0000002~0.0000053	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000012~0.0000051	(Bivalves 0.0000005)	W.S. 36/36	W.S. 36/36	W.S. 0.0000009~0.0000081	(W.S. 0.0000006)					
			2008	30/48	30/48	0.0000007~0.0000053	(0.0000002)	185/192	64/64	0.0000001~0.0000049	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000011~0.0000055	(Bivalves 0.0000004)	W.S. 37/37	W.S. 37/37	W.S. 0.0000009~0.0000039	(W.S. 0.0000006)					
			2009	12/49	12/49	0.0000006~0.0000016	(0.0000003)	184/192	64/64	0.0000001~0.0000011	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000009~0.0000060	(Bivalves 0.0000006)	W.S. 34/37	W.S. 34/37	W.S. 0.0000008~0.0000059	(W.S. 0.0000008)					
			2010	36/49	36/49	0.00000047~0.0000015	(0.0000001)	63/64	63/64	0.0000001~0.0000031	(0.0000001)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.0000002~0.0000046	(Bivalves 0.0000001)	W.S. 34/37	W.S. 34/37	W.S. 0.0000001~0.0000045	(W.S. 0.0000001)					
743-5-5	3,3',4,4',5-Pentachlorobiphenyl (PCB#126)	57465-28-8	1990					2/3	2/3	0.000032~0.000049	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000003~0.000012	(Fish 0.000001)								743-5-5	
			1991					2/3	2/3	0.000017~0.000092	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000002~0.000026	(Fish 0.000001)									
			1992					2/3	2/3	0.000099~0.00018	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000007~0.000055	(Fish 0.000001)									
			1993					2/3	2/3	0.000015~0.00011	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000010~0.00012	(Fish 0.000001)									
			1994					2/3	2/3	0.000099~0.00017	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000005~0.00018	(Fish 0.000001)									
			1995					2/3	2/3	0.000010~0.00011	(0.000001)	Fish 3/3	Fish 3/3	Fish 0.000009~0.00011	(Fish 0.000001)									
			1996					29/36	29/36	0.000002~0.00014	(0.000001)	Fish 34/35	Fish 34/35	Fish 0.000002~0.000053	(Fish 0.000001)									
			1997					31/40	31/40	0.000001~0.00012	(0.000001)	Bivalves & Fish 38/39	Fish 38/39	Fish 0.000001~0.000054	(Fish 0.000001)									
			2000	6/28	6/28	0.00000030~0.00000050	(0.0000002)	29/36	29/36	0.00000080~0.0000013	(0.0000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000070~0.000059	(Bivalves & Fish 0.0000006)	16/16	16/16	0.000020~0.000024	(0.000002)					
			2001	4/28	4/28	0.0000003~0.0000037	(0.0000003)	33/39	33/39	0.0000006~0.000092	(0.0000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0000009~0.000099	(Bivalves & Fish 0.0000002)	8/15	8/15	0.000017~0.00011	(0.000002)					
			2003	11/36	11/36	0.0000001~0.0000005	(0.0000001)	159/186	55/62	0.0000002~0.0000048	(0.0000002)	Bivalves 29/30	Bivalves 6/6	Bivalves 0.0000013~0.0000025	(Bivalves 0.00000096)	W.S. 34/35	W.S. 34/35	W.S. 0.0000011~0.0000014	(W.S. 0.00000089)					
			2004	5/38	5/38	0.0000003~0.0000011	(0.0000002)	154/189	55/63	0.0000002~0.0000095	(0.0000002)	Bivalves 30/31	Bivalves 7/7	Bivalves 0.0000010~0.0000032	(Bivalves 0.00000095)	W.S. 18/37	W.S. 18/37	W.S. 0.0000030~0.0000015	(W.S. 0.0000029)					
			2005	14/47	14/47	0.00000003~0.0000004	(0.0000001)	160/189	58/63	0.0000001~0.0000013	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000016~0.0000012	(Bivalves 0.00000078)	W.S. 37/37	W.S. 37/37	W.S. 0.0000020~0.0000012	(W.S. 0.0000010)					
			2006	11/48	11/48	0.000000050~0.0000004	(0.0000002)	159/192	56/64	0.0000002~0.0000083	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000009~0.0000012	(Bivalves 0.0000009)	W.S. 34/37	W.S. 34/37	W.S. 0.0000004~0.0000011	(W.S. 0.0000004)					
			2007	7/48	7/48	0.0000002~0.0000005	(0.0000002)	150/192	54/64	0.0000002~0.0000009	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000012~0.0000085	(Bivalves 0.0000009)	W.S. 30/36	W.S. 30/36	W.S. 0.0000009~0.0000091	(W.S. 0.0000007)					
												Fish 67/80	Fish 14/16	Fish 0.0000009~0.0000040	(Fish 0.0000009)	C.S. 28/36	C.S. 28/36	C.S. 0.0000007~0.0000074	(C.S. 0.0000007)					
												Birds 5/10	Birds 1/2	Birds 0.0000066~0.0000096	(Birds 0.0000009)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2008	4/48	4/48	0.0000003~0.0000006	(0.0000003)	182/192	62/64	0.0000005~0.0000080	(0.0000005)	Bivalves 31/31 Fish 67/85 Birds 5/10	Bivalves 7/7 Fish 15/17 Birds 1/2	Bivalves 0.00001~0.000010 Fish 0.000001~0.000034 Birds 0.000009~0.000023	(Bivalves 0.00001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/37 C.S. 30/37	W.S. 35/37 C.S. 30/37	W.S. 0.000006~0.000012 C.S. 0.000005~0.000058	(W.S. 0.000005) (C.S. 0.000005)					
			2009	3/49	3/49	0.0000003~0.0000004	(0.0000003)	169/192	60/64	0.0000001~0.000018	(0.0000001)	Bivalves 31/31 Fish 73/90 Birds 5/10	Bivalves 7/7 Fish 16/18 Birds 1/2	Bivalves 0.0000008~0.0000088 Fish 0.0000008~0.000022 Birds 0.0000054~0.0000074	(Bivalves 0.000008) (Fish 0.0000008) (Birds 0.000008)	W.S. 33/37 C.S. 29/37	W.S. 33/37 C.S. 29/37	W.S. 0.000006~0.000063 C.S. 0.000006~0.000012	(W.S. 0.000006) (C.S. 0.000006)					
			2010	7/49	7/49	0.0000004~0.0000070	(0.0000002)	62/64	62/64	0.0000001~0.000087	(0.0000001)	Bivalves 6/6 Fish 14/18 Birds 1/2	Bivalves 6/6 Fish 14/18 Birds 1/2	Bivalves 0.0000012~0.0000044 Fish 0.0000009~0.000025 Birds 0.0000076	(Bivalves 0.000009) (Fish 0.0000009) (Birds 0.000009)	W.S. 31/37 C.S. 28/37	W.S. 31/37 C.S. 28/37	W.S. 0.000009~0.000066 C.S. 0.000011~0.000018	(W.S. 0.000008) (C.S. 0.000008)					
743-6	Hexachlorobiphenyls	26601-64-9	2000	28/28	28/28	0.0000024~0.00036	(0.0000003)	36/36	36/36	0.0000086~0.14	(0.0000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00081~0.086	(Bivalves & Fish 0.0000002)	17/17	17/17	0.0036~0.31	(0.0000004)			743-6		
			2001	29/29	29/29	0.0000008~0.00024	(0.0000004~0.000002)	39/39	39/39	0.000025~0.15	(0.0000004~0.000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0012~0.14	(Bivalves & Fish 0.0000002~0.0000004)	15/15	15/15	0.0019~0.19	(0.0000004~0.000008)					
			2002	114/114	38/38	0.0000018~0.0013	(0.0000003)	189/189	63/63	0.0000021~0.20	(0.0000005)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000077~0.017 Fish 0.00051~0.10 Birds 0.0026~0.010	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	100/102	34/34	0.00044~0.064	(0.0002)					
			2003	36/36	36/36	0.000021~0.00035	(0.0000009)	186/186	62/62	0.0000078~0.55	(0.0000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00042~0.020 Fish 0.00028~0.037 Birds 0.0040~0.019	(Bivalves 0.000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0015~0.36 C.S. 0.00094~0.072	(W.S. 0.000029) (C.S. 0.000029)					
			2004	38/38	38/38	0.000011~0.00087	(0.0000002)	189/189	63/63	0.0000048~0.26	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00054~0.035 Fish 0.00035~0.15 Birds 0.0032~0.0057	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0012~0.55 C.S. 0.00059~0.077	(W.S. 0.000077) (C.S. 0.000077)					
			2005	47/47	47/47	0.0000098~0.00042	(0.0000014)	189/189	63/63	0.0000036~0.17	(0.0000014)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00040~0.011 Fish 0.00028~0.14 Birds 0.0032~0.0084	(Bivalves 0.000016) (Fish 0.0000016) (Birds 0.0000016)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00084~0.17 C.S. 0.00064~0.017	(W.S. 0.000054) (C.S. 0.000054)					
			2006	48/48	48/48	0.0000053~0.00030	(0.0000001)	192/192	64/64	0.0000039~0.19	(0.0000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00027~0.011 Fish 0.00026~0.075 Birds 0.0031~0.023	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0011~0.13 C.S. 0.00053~0.024	(W.S. 0.00002) (C.S. 0.00002)					
			2007	48/48	48/48	0.000003~0.00026	(0.0000002)	192/192	64/64	0.0000026~0.17	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00037~0.0089 Fish 0.00025~0.11 Birds 0.0021~0.0065	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00098~0.27 C.S. 0.00068~0.041	(W.S. 0.00001) (C.S. 0.00001)					
			2008	48/48	48/48	0.0000036~0.00046	(0.0000002)	192/192	64/64	0.0000008~0.24	(0.0000001)	Bivalves 31/31 Fish 84/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.00031~0.0090 Fish 0.00044~0.069 Birds 0.0016~0.026	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0012~0.13 C.S. 0.00054~0.037	(W.S. 0.00001) (C.S. 0.00001)					
			2009	49/49	49/49	0.0000021~0.0012	(0.0000002)	192/192	64/64	0.0000058~0.17	(0.0000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.00029~0.011 Fish 0.00027~0.063 Birds 0.0021~0.0041	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00085~0.19 C.S. 0.00061~0.040	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.0000030~0.00022	(0.0000009)	56/64	56/64	0.000069~0.15	(0.000006)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00063~0.0074 Fish 0.00029~0.060 Birds 0.0040~0.0041	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0009~0.15 C.S. 0.0006~0.043	(W.S. 0.0001) (C.S. 0.0001)					
743-6-1	2,3,3',4,4',5-Hexachlorobiphenyl (PCB#156)	38380-08-4	2000	23/28	23/28	0.00000030~0.0000081	(0.0000002)	34/36	34/36	0.0000021~0.0037	(0.0000005)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000093~0.0016	(Bivalves & Fish 0.0000008)	16/16	16/16	0.000040~0.0035	(0.000001)			743-6-1		
			2001	24/29	24/29	0.0000002~0.0000047	(0.0000002)	39/39	39/39	0.0000006~0.0020	(0.0000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000011~0.0030	(Bivalves & Fish 0.0000002)	15/15	15/15	0.00002~0.0013	(0.000001)					
			2003	36/36	36/36	0.0000004~0.0000051	(0.0000002)	159/186	54/62	0.0000021~0.013	(0.0000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000052~0.00017 Fish 0.0000044~0.00064 Birds 0.000017~0.00042	(Bivalves 0.0000084) (Fish 0.0000084) (Birds 0.0000084)	W.S. 35/35 C.S. 33/34	W.S. 35/35 C.S. 33/34	W.S. 0.000015~0.0030 C.S. 0.000011~0.0006	(W.S. 0.000083) (C.S. 0.000083)					
			2004	33/38	33/38	0.0000003~0.000015	(0.0000003)	188/189	63/63	0.0000002~0.0045	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000068~0.00033 Fish 0.0000044~0.0023 Birds 0.000015~0.00014	(Bivalves 0.000011) (Fish 0.0000011) (Birds 0.000011)	W.S. 34/37 C.S. 31/37	W.S. 34/37 C.S. 31/37	W.S. 0.000023~0.0039 C.S. 0.000026~0.00069	(W.S. 0.000021) (C.S. 0.000021)					
			2005	47/47	47/47	0.0000002~0.0000058	(0.0000002)	188/189	63/63	0.0000002~0.0024	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000084~0.00011 Fish 0.0000020~0.0024 Birds 0.000016~0.00022	(Bivalves 0.000010) (Fish 0.000010) (Birds 0.000010)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000060~0.00016 C.S. 0.000010~0.00056	(W.S. 0.000014) (C.S. 0.000014)					
			2006	36/48	36/48	0.0000003~0.0000072	(0.0000003)	188/192	64/64	0.0000002~0.0053	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000005~0.00011 Fish 0.000002~0.0013 Birds 0.000015~0.00041	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/37 C.S. 35/37	W.S. 36/37 C.S. 35/37	W.S. 0.000015~0.00061 C.S. 0.000008~0.00022	(W.S. 0.000008) (C.S. 0.000008)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site					
			2007	40/48	40/48	0.000002~0.000055	(0.000002)	188/192	64/64	0.000003~0.0029	(0.000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000051~0.000086 Fish 0.000028~0.0016 Birds 0.000012~0.00014	(Bivalves 0.000005) (Fish 0.000005) (Birds 0.000005)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000010~0.0019 C.S. 0.000008~0.00031	(W.S. 0.000005) (C.S. 0.000005)			
			2008	38/48	38/48	0.000002~0.000067	(0.000002)	192/192	64/64	0.000003~0.0033	(0.000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000042~0.000095 Fish 0.000036~0.0013 Birds 0.000096~0.00082	(Bivalves 0.000009) (Fish 0.000009) (Birds 0.000009)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.000012~0.00090 C.S. 0.000007~0.00042	(W.S. 0.000007) (C.S. 0.000007)			
			2009	42/49	42/49	0.000002~0.000096	(0.000002)	191/192	64/64	0.000002~0.0044	(0.000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000039~0.00012 Fish 0.000029~0.00099 Birds 0.000014~0.00012	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 36/37 C.S. 36/37	W.S. 36/37 C.S. 36/37	W.S. 0.000015~0.0015 C.S. 0.000009~0.00036	(W.S. 0.000009) (C.S. 0.000009)			
			2010	43/49	43/49	0.0000009~0.000027	(0.0000009)	59/64	59/64	0.00001~0.0025	(0.000001)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000006~0.00059 Fish 0.000005~0.00073 Birds 0.000019~0.00086	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000010~0.0014 C.S. 0.000007~0.00072	(W.S. 0.000007) (C.S. 0.000007)			
743-6-2	2,3,3',4,4',5,5'-Hexachlorobiphenyl (PCB#157)	69782-90-7	2000	17/28	17/28	0.0000040~0.0000030	(0.0000005)	34/36	34/36	0.000007~0.0013	(0.000009)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000019~0.00078	(Bivalves & Fish 0.000003)	15/16	15/16	0.000010~0.0011	(0.000005)			743-6-2
			2001	18/29	18/29	0.000004~0.000022	(0.000004)	37/39	37/39	0.000005~0.0020	(0.000004)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000065~0.0011	(Bivalves & Fish 0.000002)	14/15	14/15	0.000010~0.00060	(0.000005)			
			2003	22/36	22/36	0.000002~0.000018	(0.000002)	164/186	56/62	0.000004~0.0027	(0.000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000016~0.00055 Fish 0.000012~0.00015 Birds 0.000044~0.00012	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)	W.S. 34/35 C.S. 33/34	W.S. 34/35 C.S. 33/34	W.S. 0.000082~0.00061 C.S. 0.000097~0.00013	(W.S. 0.000077) (C.S. 0.000077)			
			2004	17/38	17/38	0.000003~0.000038	(0.000003)	164/189	57/63	0.000003~0.00090	(0.000003)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000025~0.00011 Fish 0.000017~0.00055 Birds 0.000025~0.00035	(Bivalves 0.0000086) (Fish 0.0000086) (Birds 0.0000086)	W.S. 30/37 C.S. 25/37	W.S. 30/37 C.S. 25/37	W.S. 0.000011~0.00074 C.S. 0.000010~0.00027	(W.S. 0.000093) (C.S. 0.000093)			
			2005	25/47	25/47	0.0000007~0.000014	(0.000002)	175/189	60/63	0.000002~0.00051	(0.000002)	Bivalves 31/31 Fish 78/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000027~0.00031 Fish 0.0000088~0.00053 Birds 0.000032~0.00051	(Bivalves 0.0000073) (Fish 0.0000073) (Birds 0.0000073)	W.S. 35/37 C.S. 37/37	W.S. 35/37 C.S. 37/37	W.S. 0.000020~0.00032 C.S. 0.000029~0.00015	(W.S. 0.000020) (C.S. 0.000020)			
			2006	12/48	12/48	0.000004~0.000018	(0.000004)	177/192	62/64	0.000002~0.0013	(0.000002)	Bivalves 31/31 Fish 79/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000015~0.00031 Fish 0.000009~0.00027 Birds 0.000030~0.00010	(Bivalves 0.000009) (Fish 0.000009) (Birds 0.000009)	W.S. 27/37 C.S. 24/37	W.S. 27/37 C.S. 24/37	W.S. 0.000006~0.00015 C.S. 0.000006~0.000056	(W.S. 0.000006) (C.S. 0.000006)			
			2007	13/48	13/48	0.000004~0.000015	(0.000004)	177/192	62/64	0.000002~0.00061	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000018~0.00025 Fish 0.000008~0.00033 Birds 0.000023~0.00038	(Bivalves 0.000007) (Fish 0.000007) (Birds 0.000007)	W.S. 30/36 C.S. 22/36	W.S. 30/36 C.S. 22/36	W.S. 0.000012~0.00037 C.S. 0.000009~0.000087	(W.S. 0.000008) (C.S. 0.000008)			
			2008	22/48	22/48	0.0000007~0.000016	(0.000002)	185/192	62/64	0.000001~0.00049	(0.000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000014~0.00027 Fish 0.000011~0.00029 Birds 0.000019~0.00019	(Bivalves 0.000008) (Fish 0.000008) (Birds 0.000008)	W.S. 32/37 C.S. 26/37	W.S. 32/37 C.S. 26/37	W.S. 0.000008~0.00017 C.S. 0.000008~0.000092	(W.S. 0.000007) (C.S. 0.000007)			
			2009	15/49	15/49	0.0000006~0.000019	(0.000003)	175/192	61/64	0.000002~0.00081	(0.000002)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000012~0.00034 Fish 0.000008~0.00021 Birds 0.000027~0.00029	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 29/37 C.S. 18/37	W.S. 29/37 C.S. 18/37	W.S. 0.00001~0.00029 C.S. 0.00001~0.00008	(W.S. 0.00001) (C.S. 0.00001)			
			2010	36/49	36/49	0.00000078~0.0000090	(0.000001)	62/64	62/64	0.000002~0.00042	(0.000002)	Bivalves 6/6 Fish 17/18 Birds 2/2	Bivalves 6/6 Fish 17/18 Birds 2/2	Bivalves 0.000003~0.00027 Fish 0.000002~0.00034 Birds 0.000003~0.00023	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 28/37 C.S. 22/37	W.S. 28/37 C.S. 22/37	W.S. 0.00001~0.00027 C.S. 0.00001~0.00016	(W.S. 0.00001) (C.S. 0.00001)			
743-6-3	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB#167)	52663-72-6	2000	21/28	21/28	0.0000030~0.0000036	(0.000002)	35/36	35/36	0.000010~0.0016	(0.000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000015~0.0011	(Bivalves & Fish 0.000006)	15/15	15/15	0.000020~0.0018	(0.00001)			743-6-3
			2001	22/29	22/29	0.000003~0.000027	(0.000002)	39/39	39/39	0.000003~0.0014	(0.000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000011~0.0017	(Bivalves & Fish 0.000001)	15/15	15/15	0.00001~0.00060	(0.00001)			
			2003	36/36	36/36	0.0000020~0.000028	(0.0000009)	176/186	60/62	0.0000020~0.00047	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000046~0.00014 Fish 0.000023~0.00038 Birds 0.000025~0.00024	(Bivalves 0.0000071) (Fish 0.0000071) (Birds 0.0000071)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000087~0.0014 C.S. 0.000083~0.00029	(W.S. 0.000007) (C.S. 0.000007)			



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2004	29/38	29/38	0.000002~0.0000060	(0.000002)	173/189	60/63	0.000002~0.0021	(0.000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000054~0.00024 Fish 0.0000034~0.0013 Birds 0.000014~0.000068	(Bivalves 0.000013) (Fish 0.000013) (Birds 0.000013)	W.S. 28/37 C.S. 20/37	W.S. 28/37 C.S. 20/37	W.S. 0.000024~0.0018 C.S. 0.000027~0.00036	(W.S. 0.000023) (C.S. 0.000023)					
			2005	45/47	45/47	0.000001~0.0000025	(0.000001)	185/189	62/63	0.000001~0.0011	(0.000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000051~0.000078 Fish 0.0000015~0.0013 Birds 0.0000015~0.000099	(Bivalves 0.000014) (Fish 0.0000014) (Birds 0.0000014)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0000030~0.00073 C.S. 0.0000045~0.00020	(W.S. 0.000010) (C.S. 0.000010)					
			2006	27/48	27/48	0.00000023~0.0000036	(0.0000003)	182/192	63/64	0.000002~0.0022	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000003~0.000080 Fish 0.000002~0.00068 Birds 0.000002~0.00023	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/37 C.S. 36/37	W.S. 36/37 C.S. 36/37	W.S. 0.000008~0.00030 C.S. 0.000004~0.000091	(W.S. 0.000004) (C.S. 0.000004)					
			2007	15/48	15/48	0.0000005~0.0000026	(0.0000005)	177/192	62/64	0.0000003~0.0012	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000038~0.000062 Fish 0.0000018~0.00076 Birds 0.0000015~0.000078	(Bivalves 0.000007) (Fish 0.0000007) (Birds 0.000007)	W.S. 33/36 C.S. 34/36	W.S. 33/36 C.S. 34/36	W.S. 0.000009~0.00096 C.S. 0.000005~0.00015	(W.S. 0.000005) (C.S. 0.000005)					
			2008	28/48	28/48	0.00000013~0.0000029	(0.0000002)	191/192	64/64	0.0000001~0.0016	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000003~0.000073 Fish 0.000003~0.00068 Birds 0.000001~0.00038	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 34/37 C.S. 27/37	W.S. 34/37 C.S. 27/37	W.S. 0.000008~0.00045 C.S. 0.000009~0.00019	(W.S. 0.000008) (C.S. 0.000008)					
			2009	29/49	29/49	0.00000011~0.0000044	(0.0000002)	189/192	64/64	0.0000002~0.0018	(0.0000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000035~0.000087 Fish 0.0000022~0.00045 Birds 0.0000016~0.000056	(Bivalves 0.000005) (Fish 0.0000005) (Birds 0.000005)	W.S. 35/37 C.S. 27/37	W.S. 35/37 C.S. 27/37	W.S. 0.000009~0.00074 C.S. 0.000008~0.00019	(W.S. 0.000008) (C.S. 0.000008)					
			2010	43/49	43/49	0.0000001~0.0000018	(0.0000001)	60/64	60/64	0.0000005~0.00092	(0.0000004)	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 0.000006~0.000056 Fish 0.000003~0.00040 Birds 0.000053	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 32/37 C.S. 28/37	W.S. 32/37 C.S. 28/37	W.S. 0.00001~0.00067 C.S. 0.00001~0.00030	(W.S. 0.00001) (C.S. 0.00001)					
743-6-4	3,3',4,4',5,5'-Hexachlorobiphenyl (PCB#169)	32774-16-6	1990					2/3	2/3	0.000005~0.000006	(0.000001)	Fish 2/3	Fish 2/3	Fish 0.000005~0.000032	(Fish 0.000001)								743-6-4	
			1991					2/3	2/3	0.000002~0.000008	(0.000001)	Fish 1/3	Fish 1/3	Fish 0.000002	(Fish 0.000001)									
			1992					2/3	2/3	0.000010~0.000012	(0.000001)	Fish 2/3	Fish 2/3	Fish 0.000002~0.000004	(Fish 0.000001)									
			1993					2/3	2/3	0.000003~0.000014	(0.000001)	Fish 2/3	Fish 2/3	Fish 0.000002~0.000009	(Fish 0.000001)									
			1994					2/3	2/3	0.000010~0.000011	(0.000001)	Fish 2/3	Fish 2/3	Fish 0.000008~0.000019	(Fish 0.000001)									
			1995					2/3	2/3	0.000002~0.000011	(0.000001)	Fish 2/3	Fish 2/3	Fish 0.000010~0.000011	(Fish 0.000001)									
			1996					18/36	18/36	0.000001~0.000009	(0.000001)	Fish 18/35	Fish 18/35	Fish 0.000001~0.000012	(Fish 0.000001)									
			1997					25/40	25/40	0.000001~0.000013	(0.000001)	Bivalves & Fish 21/39	Fish 21/39	Fish 0.000001~0.000006	(Fish 0.000001)									
			2000	1/28	1/28	0.00000030	(0.0000002)	24/36	24/36	0.00000040~0.00018	(0.0000004)	Bivalves & Fish 15/35	Bivalves & Fish 15/35	Bivalves & Fish 0.0000021~0.000088	(Bivalves & Fish 0.0000009)	16/16	16/16	0.0000050~0.00006	(0.000002)					
			2001	2/28	2/28	0.0000003	(0.0000002)	17/38	17/38	0.0000003~0.000014	(0.0000002)	Bivalves & Fish 3/35	Bivalves & Fish 3/35	Bivalves & Fish 0.00000091~0.0000012	(Bivalves & Fish 0.0000008)	14/15	14/15	0.000002~0.00062	(0.000002)					
			2003	1/36	1/36	0.0000002	(0.0000002)	122/186	47/62	0.0000004~0.00027	(0.0000004)	Bivalves 6/30 Fish 18/70 Birds 10/10	Bivalves 2/6 Fish 7/14 Birds 2/2	Bivalves 0.0000016~0.000030 Fish 0.0000014~0.000040 Birds 0.0000036~0.000069	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	W.S. 22/35 C.S. 24/34	W.S. 22/35 C.S. 24/34	W.S. 0.000010~0.000028 C.S. 0.000011~0.000041	(W.S. 0.0000098) (C.S. 0.0000098)					
			2004	2/38	2/38	0.0000003~0.0000004	(0.0000002)	106/189	41/63	0.0000002~0.000039	(0.0000002)	Bivalves 8/31 Fish 25/70 Birds 10/10	Bivalves 3/7 Fish 7/14 Birds 2/2	Bivalves 0.0000012~0.000057 Fish 0.00000095~0.000015 Birds 0.0000019~0.000052	(Bivalves 0.0000093) (Fish 0.00000093) (Birds 0.0000093)	W.S. 2/37 C.S. 9/37	W.S. 2/37 C.S. 9/37	W.S. 0.000016~0.000021 C.S. 0.000013~0.00021	(W.S. 0.000011) (C.S. 0.000011)					
			2005	1/47	1/47	0.0000001	(0.0000001)	133/189	48/63	0.0000003~0.00032	(0.0000003)	Bivalves 6/31 Fish 33/80 Birds 10/10	Bivalves 2/7 Fish 8/16 Birds 2/2	Bivalves 0.00000098~0.000012 Fish 0.00000084~0.000072 Birds 0.0000018~0.000035	(Bivalves 0.0000084) (Fish 0.0000084) (Birds 0.0000084)	W.S. 25/37 C.S. 31/37	W.S. 25/37 C.S. 31/37	W.S. 0.0000023~0.000034 C.S. 0.0000020~0.000022	(W.S. 0.0000020) (C.S. 0.0000020)					
			2006	11/48	11/48	0.000000010~0.0000003	(0.0000001)	146/192	53/64	0.0000002~0.000032	(0.0000002)	Bivalves 13/31 Fish 37/80 Birds 10/10	Bivalves 4/7 Fish 9/16 Birds 2/2	Bivalves 0.000001~0.000001 Fish 0.000001~0.000004 Birds 0.000002~0.000005	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 13/37 C.S. 13/37	W.S. 13/37 C.S. 13/37	W.S. 0.000003~0.000015 C.S. 0.000003~0.000022	(W.S. 0.000003) (C.S. 0.000003)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	0/48	0/48	—	(0.0000004)	121/192	45/64	0.0000003~0.000099	(0.0000003)	Bivalves 8/31	Bivalves 3/7	Bivalves 0.0000007~0.000010	(Bivalves 0.0000007)	W.S. 6/36	W.S. 6/36	W.S. 0.000006~0.000022	(W.S. 0.000006)					
			2008	0/48	0/48	—	(0.0000002)	135/192	52/64	0.0000001~0.000067	(0.0000001)	Bivalves 5/31	Bivalves 3/7	Bivalves 0.0000006~0.000008	(Bivalves 0.0000006)	W.S. 4/37	W.S. 4/37	W.S. 0.000008~0.000014	(W.S. 0.000008)					
			2009	0/49	0/49	—	(0.0000002)	138/192	55/64	0.0000001~0.000042	(0.0000001)	Bivalves 7/31	Bivalves 3/7	Bivalves 0.0000007~0.000011	(Bivalves 0.0000007)	W.S. 2/37	W.S. 2/37	W.S. 0.000008~0.000010	(W.S. 0.000008)					
			2010	1/49	1/49	0.00000006	(0.00000008)	55/64	55/64	0.0000001~0.000094	(0.0000001)	Bivalves 0/6 Fish 2/18	Bivalves 0/6 Fish 2/18	Bivalves — Fish 0.000003~0.000007	(Bivalves 0.000002) (Fish 0.000002)	W.S. 0/37 C.S. 4/37	W.S. 0/37 C.S. 4/37	W.S. — C.S. 0.00001~0.00003	(W.S. 0.00001) (C.S. 0.00001)					
743-7	Heptachlorobiphenyls	28655-71-2	2000	28/28	28/28	0.0000010~0.000058	(0.00000006)	35/36	35/36	0.0000080~0.10	(0.0000002)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00014~0.051	(Bivalves & Fish 0.0000003)	17/17	17/17	0.00059~0.043	(0.0000006)			743-7		
			2001	29/29	29/29	0.0000011~0.000043	(0.00000006~0.0000009)	38/39	38/39	0.0000029~0.16	(0.00000006~0.0000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00032~0.041	(Bivalves & Fish 0.0000003~0.0000005)	15/15	15/15	0.00030~0.043	(0.0000006~0.000002)					
			2002	114/114	38/38	0.00000021~0.0011	(0.00000002)	189/189	63/63	0.0000006~0.14	(0.00000005)	Bivalves 38/38	Bivalves 8/8	Bivalves 0.000032~0.0035	(Bivalves 0.000001)	102/102	34/34	0.000075~0.024	(0.000007)					
			2003	36/36	36/36	0.0000067~0.00012	(0.00000007)	186/186	62/62	0.0000019~0.20	(0.00000003)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.00011~0.0045	(Bivalves 0.0000016)	W.S. 35/35	W.S. 35/35	W.S. 0.00036~0.026	(W.S. 0.00001)					
			2004	38/38	38/38	0.0000016~0.00045	(0.00000002)	189/189	63/63	0.0000005~0.20	(0.00000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00013~0.0078	(Bivalves 0.0000026)	W.S. 37/37	W.S. 37/37	W.S. 0.00016~0.038	(W.S. 0.000039)					
			2005	47/47	47/47	0.0000025~0.00021	(0.000000094)	189/189	63/63	0.0000005~0.12	(0.00000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00012~0.0028	(Bivalves 0.0000017)	W.S. 37/37	W.S. 37/37	W.S. 0.00017~0.028	(W.S. 0.000024)					
			2006	48/48	48/48	0.0000010~0.00031	(0.00000003)	192/192	64/64	0.0000012~0.12	(0.00000009)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000077~0.0026	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00018~0.040	(W.S. 0.00002)					
			2007	47/48	47/48	0.0000009~0.00019	(0.00000004)	192/192	64/64	0.0000060~0.13	(0.00000009)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.00010~0.0022	(Bivalves 0.000002)	W.S. 36/36	W.S. 36/36	W.S. 0.00019~0.060	(W.S. 0.00001)					
			2008	48/48	48/48	0.0000009~0.00024	(0.00000002)	188/192	64/64	0.0000020~0.13	(0.00000008)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000086~0.0022	(Bivalves 0.000002)	W.S. 37/37	W.S. 37/37	W.S. 0.00023~0.041	(W.S. 0.00001)					
			2009	48/49	48/49	0.0000012~0.00083	(0.00000001)	189/192	64/64	0.0000007~0.065	(0.00000003)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000096~0.0050	(Bivalves 0.000001)	W.S. 37/37	W.S. 37/37	W.S. 0.00019~0.042	(W.S. 0.00001)					
			2010	49/49	49/49	0.0000013~0.00013	(0.00000006)	49/64	49/64	0.0000069~0.12	(0.000006)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.00019~0.0019	(Bivalves 0.000002)	W.S. 37/37	W.S. 37/37	W.S. 0.00022~0.044	(W.S. 0.00007)					
743-7-1	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB#170)	35065-30-6	2000	27/27	27/27	0.0000010~0.000081	(0.00000003)	33/35	33/35	0.0000030~0.010	(0.00000006)	Bivalves & Fish 34/34	Bivalves & Fish 34/34	Bivalves & Fish 0.000085~0.0039	(Bivalves & Fish 0.0000002)	15/15	15/15	0.000040~0.0025	(0.000003)			743-7-1		
			2001	29/29	29/29	0.0000011~0.000064	(0.00000007)	37/39	37/39	0.0000020~0.017	(0.00000020)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00011~0.0032	(Bivalves & Fish 0.0000004)	15/15	15/15	0.000020~0.0016	(0.000004)					
			2003	36/36	36/36	0.0000009~0.000012	(0.00000003)	163/186	55/62	0.0000022~0.022	(0.0000002)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.000030~0.00015	(Bivalves 0.0000018)	W.S. 35/35	W.S. 35/35	W.S. 0.000029~0.0020	(W.S. 0.000098)					
			2004	31/38	31/38	0.0000005~0.000036	(0.00000005)	178/189	62/63	0.0000004~0.018	(0.00000004)	Bivalves 30/31	Bivalves 7/7	Bivalves 0.000026~0.00029	(Bivalves 0.0000026)	W.S. 33/37	W.S. 33/37	W.S. 0.000031~0.0021	(W.S. 0.000029)					
			2005	43/47	43/47	0.0000004~0.000018	(0.00000004)	183/189	63/63	0.0000004~0.011	(0.00000004)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000035~0.000063	(Bivalves 0.0000012)	W.S. 37/37	W.S. 37/37	W.S. 0.000012~0.0020	(W.S. 0.000014)					
			2006	29/48	29/48	0.0000007~0.000011	(0.00000007)	192/192	64/64	0.0000002~0.012	(0.00000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000002~0.000076	(Bivalves 0.000002)	W.S. 36/37	W.S. 36/37	W.S. 0.00002~0.0018	(W.S. 0.00002)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	38/48	38/48	0.0000005~0.000020	(0.0000005)	188/192	64/64	0.0000003~0.011	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000019~0.000052 Fish 0.0000061~0.0026 Birds 0.00010~0.00027	(Bivalves 0.000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000013~0.0029 C.S. 0.000012~0.00057	(W.S. 0.000009) (C.S. 0.000009)					
			2008	47/48	47/48	0.0000003~0.0000087	(0.0000002)	187/192	64/64	0.0000002~0.014	(0.0000002)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000001~0.000038 Fish 0.000010~0.0021 Birds 0.000085~0.0012	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00001~0.0021 C.S. 0.00001~0.00058	(W.S. 0.00001) (C.S. 0.00001)					
			2009	43/49	43/49	0.0000003~0.000052	(0.0000003)	188/192	64/64	0.0000005~0.0078	(0.0000005)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000002~0.00013 Fish 0.000005~0.0018 Birds 0.00011~0.00019	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000009~0.0019 C.S. 0.000009~0.00028	(W.S. 0.000007) (C.S. 0.000007)					
			2010	49/49	49/49	0.0000001~0.000012	(0.0000001)	52/64	52/64	0.000007~0.011	(0.000006)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000004~0.000035 Fish 0.000011~0.0014 Birds 0.00016~0.00017	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000011~0.0021 C.S. 0.000009~0.00070	(W.S. 0.000005) (C.S. 0.000005)					
743-7-2	2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB#180)	35065-29-3	2000	20/27	20/27	0.0000011~0.000018	(0.0000004)	33/35	33/35	0.0000050~0.030	(0.0000007)	Bivalves & Fish 34/34	Bivalves & Fish 34/34	Bivalves & Fish 0.000051~0.014	(Bivalves & Fish 0.000002)	15/15	15/15	0.000090~0.0083	(0.000004)			743-7-2		
			2001	26/29	26/29	0.0000009~0.000012	(0.0000009)	37/39	37/39	0.0000080~0.036	(0.0000020)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000051~0.010	(Bivalves & Fish 0.000005)	15/15	15/15	0.000060~0.0055	(0.000003)					
			2003	36/36	36/36	0.0000019~0.000032	(0.0000005)	186/186	62/62	0.0000006~0.049	(0.0000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000093~0.00043 Fish 0.000030~0.0038 Birds 0.00042~0.0029	(Bivalves 0.000015) (Fish 0.0000015) (Birds 0.000015)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000054~0.0041 C.S. 0.000030~0.0047	(W.S. 0.000016) (C.S. 0.000016)					
			2004	38/38	38/38	0.0000006~0.00011	(0.0000002)	189/189	63/63	0.0000003~0.038	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000098~0.0011 Fish 0.000020~0.0088 Birds 0.00042~0.00075	(Bivalves 0.000015) (Fish 0.000015) (Birds 0.000015)	W.S. 36/37 C.S. 33/37	W.S. 36/37 C.S. 33/37	W.S. 0.000060~0.0049 C.S. 0.000048~0.0026	(W.S. 0.000039) (C.S. 0.000039)					
			2005	47/47	47/47	0.00000078~0.000057	(0.0000009)	189/189	63/63	0.0000003~0.028	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000015~0.00035 Fish 0.000013~0.011 Birds 0.00042~0.0010	(Bivalves 0.0000094) (Fish 0.0000094) (Birds 0.0000094)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000023~0.0058 C.S. 0.000024~0.0019	(W.S. 0.000014) (C.S. 0.000014)					
			2006	43/48	43/48	0.000001~0.000032	(0.000001)	189/192	64/64	0.0000004~0.030	(0.0000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007~0.00036 Fish 0.000014~0.0051 Birds 0.00043~0.0041	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000027~0.0074 C.S. 0.000018~0.0026	(W.S. 0.000009) (C.S. 0.000009)					
			2007	43/48	43/48	0.0000004~0.000057	(0.0000004)	192/192	64/64	0.00000038~0.028	(0.0000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007~0.0003 Fish 0.00002~0.0082 Birds 0.00031~0.00078	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000029~0.011 C.S. 0.000027~0.0027	(W.S. 0.000005) (C.S. 0.000005)					
			2008	48/48	48/48	0.0000003~0.000026	(0.0000003)	183/192	63/64	0.0000005~0.030	(0.0000003)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000005~0.00025 Fish 0.000031~0.0060 Birds 0.00025~0.0034	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00004~0.0083 C.S. 0.00002~0.0022	(W.S. 0.00001) (C.S. 0.00001)					
			2009	45/49	45/49	0.0000005~0.00015	(0.0000005)	188/192	63/64	0.0000007~0.018	(0.0000005)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000074~0.00065 Fish 0.000015~0.0063 Birds 0.00030~0.00059	(Bivalves 0.000007) (Fish 0.000007) (Birds 0.000007)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000029~0.0073 C.S. 0.000021~0.00092	(W.S. 0.000009) (C.S. 0.000009)					
			2010	49/49	49/49	0.0000003~0.000030	(0.0000001)	47/64	47/64	0.000025~0.028	(0.000002)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000020~0.00019 Fish 0.000031~0.0046 Birds 0.00047~0.00054	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00004~0.0081 C.S. 0.00002~0.0024	(W.S. 0.00002) (C.S. 0.00002)					
743-7-3	2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB#189)	39635-31-9	2000	3/28	3/28	0.00000040	(0.0000006)	29/36	29/36	0.0000010~0.00034	(0.000002)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.0000059~0.00017	(Bivalves & Fish 0.000003)	14/16	14/16	0.000014~0.000056	(0.000006)			743-7-3		
			2001	3/29	3/29	0.0000004~0.000006	(0.0000003)	33/39	33/39	0.0000004~0.00050	(0.0000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000012~0.00019	(Bivalves & Fish 0.000003)	13/15	13/15	0.000006~0.00094	(0.000006)					
			2003	11/36	11/36	0.0000003~0.0000005	(0.0000002)	150/186	53/62	0.0000004~0.00076	(0.0000004)	Bivalves 25/30 Fish 60/70 Birds 10/10	Bivalves 5/6 Fish 12/14 Birds 2/2	Bivalves 0.000015~0.000014 Fish 0.000017~0.00064 Birds 0.00018~0.00062	(Bivalves 0.000015) (Fish 0.000015) (Birds 0.000015)	W.S. 34/35 C.S. 32/34	W.S. 34/35 C.S. 32/34	W.S. 0.000096~0.000059 C.S. 0.000095~0.000052	(W.S. 0.000083) (C.S. 0.000083)					
			2004	7/38	7/38	0.0000003~0.0000018	(0.0000003)	156/189	56/63	0.0000002~0.00052	(0.0000002)	Bivalves 15/31 Fish 55/70 Birds 10/10	Bivalves 5/7 Fish 12/14 Birds 2/2	Bivalves 0.0000026~0.000020 Fish 0.0000026~0.00016 Birds 0.000012~0.000021	(Bivalves 0.000026) (Fish 0.000026) (Birds 0.000026)	W.S. 5/37 C.S. 11/37	W.S. 5/37 C.S. 11/37	W.S. 0.000024~0.000061 C.S. 0.000021~0.00020	(W.S. 0.00002) (C.S. 0.00002)					
			2005	9/47	9/47	0.0000003~0.0000005	(0.0000002)	157/189	55/63	0.0000002~0.00032	(0.0000002)	Bivalves 23/31 Fish 56/80 Birds 10/10	Bivalves 6/7 Fish 12/16 Birds 2/2	Bivalves 0.0000018~0.0000085 Fish 0.0000023~0.00014 Birds 0.000012~0.000020	(Bivalves 0.000017) (Fish 0.000017) (Birds 0.000017)	W.S. 35/37 C.S. 37/37	W.S. 35/37 C.S. 37/37	W.S. 0.000010~0.000089 C.S. 0.000010~0.000042	(W.S. 0.000010) (C.S. 0.000010)					
			2006	14/48	14/48	0.00000006~0.0000006	(0.0000003)	165/192	58/64	0.0000002~0.00037	(0.0000002)	Bivalves 31/31 Fish 75/80 Birds 10/10	Bivalves 7/7 Fish 15/16 Birds 2/2	Bivalves 0.0000005~0.0000075 Fish 0.0000007~0.000077 Birds 0.000012~0.000069	(Bivalves 0.000005) (Fish 0.000005) (Birds 0.000005)	W.S. 15/37 C.S. 20/37	W.S. 15/37 C.S. 20/37	W.S. 0.000008~0.000044 C.S. 0.000008~0.000038	(W.S. 0.000008) (C.S. 0.000008)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2007	3/48	3/48	0.0000004~0.0000007	(0.0000004)	147/192	54/64	0.0000003~0.000036	(0.0000003)	Bivalves 21/31	Bivalves 5/7	Bivalves 0.000003~0.000006	(Bivalves 0.000001)	W.S. 19/36	W.S. 19/36	W.S. 0.000008~0.000058	(W.S. 0.000008)					
			2008	10/48	10/48	0.00000003~0.0000004	(0.0000002)	155/192	58/64	0.0000002~0.000053	(0.0000002)	Bivalves 25/31	Bivalves 6/7	Bivalves 0.0000009~0.0000076	(Bivalves 0.0000008)	W.S. 23/37	W.S. 23/37	W.S. 0.000006~0.000043	(W.S. 0.000006)					
			2009	2/49	2/49	0.0000006~0.0000016	(0.0000006)	153/192	55/64	0.0000003~0.000032	(0.0000003)	Bivalves 30/31	Bivalves 7/7	Bivalves 0.0000005~0.000015	(Bivalves 0.0000005)	W.S. 19/37	W.S. 19/37	W.S. 0.000007~0.000036	(W.S. 0.000007)					
			2010	20/49	20/49	0.00000003~0.00000030	(0.0000001)	60/64	60/64	0.00000007~0.000033	(0.0000007)	Bivalves 4/6	Bivalves 4/6	Bivalves 0.0000003~0.000006	(Bivalves 0.000002)	W.S. 11/37	W.S. 11/37	W.S. 0.000008~0.000035	(W.S. 0.000008)					
743-8	Octachlorobiphenyls	31472-83-0	2000	14/28	14/28	0.00000050~0.0000071	(0.0000002)	35/36	35/36	0.0000010~0.029	(0.0000004)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000018~0.010	(Bivalves & Fish 0.0000008)	17/17	17/17	0.000080~0.0036	(0.000002)			743-8		
			2001	19/29	19/29	0.00000004~0.0000098	(0.0000002~0.0000008)	38/39	38/39	0.0000004~0.055	(0.0000002~0.0000008)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000019~0.0049	(Bivalves & Fish 0.0000008)	15/15	15/15	0.000048~0.0045	(0.000002~0.000008)					
			2002	109/114	37/38	0.00000019~0.00029	(0.00000030)	175/189	61/63	0.0000005~0.022	(0.0000004)	Bivalves 35/38	Bivalves 7/8	Bivalves 0.0000046~0.00016	(Bivalves 0.000001)	82/102	34/34	0.000014~0.0049	(0.00001)					
			2003	36/36	36/36	0.0000014~0.000025	(0.0000007)	174/186	59/62	0.0000006~0.042	(0.0000003)	Bivalves 30/30	Bivalves 6/6	Bivalves 0.0000058~0.00028	(Bivalves 0.0000018)	W.S. 35/35	W.S. 35/35	W.S. 0.000043~0.0033	(W.S. 0.000019)					
			2004	38/38	38/38	0.0000006~0.000089	(0.0000002)	169/189	59/63	0.0000002~0.038	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000049~0.00038	(Bivalves 0.0000021)	W.S. 35/37	W.S. 35/37	W.S. 0.000022~0.0028	(W.S. 0.000014)					
			2005	47/47	47/47	0.0000007~0.000040	(0.0000001)	183/189	59/63	0.0000002~0.023	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.0000085~0.00014	(Bivalves 0.0000016)	W.S. 37/37	W.S. 37/37	W.S. 0.000020~0.0038	(W.S. 0.000010)					
			2006	48/48	48/48	0.0000002~0.000022	(0.0000001)	191/192	64/64	0.00000007~0.024	(0.00000005)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000004~0.00014	(Bivalves 0.000002)	W.S. 37/37	W.S. 37/37	W.S. 0.00002~0.0049	(W.S. 0.00001)					
			2007	22/48	22/48	0.0000005~0.000049	(0.0000005)	185/192	63/64	0.0000002~0.025	(0.0000002)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000004~0.00011	(Bivalves 0.000001)	W.S. 34/36	W.S. 34/36	W.S. 0.00003~0.0072	(W.S. 0.00003)					
			2008	43/48	43/48	0.0000002~0.000020	(0.0000002)	180/192	63/64	0.0000002~0.038	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000003~0.00012	(Bivalves 0.000002)	W.S. 35/37	W.S. 35/37	W.S. 0.00005~0.0048	(W.S. 0.00003)					
			2009	35/49	35/49	0.0000003~0.00012	(0.0000003)	188/192	63/64	0.0000002~0.017	(0.0000001)	Bivalves 31/31	Bivalves 7/7	Bivalves 0.000005~0.00031	(Bivalves 0.000002)	W.S. 35/37	W.S. 35/37	W.S. 0.00004~0.0048	(W.S. 0.00002)					
			2010	47/49	47/49	0.0000003~0.000026	(0.0000003)	50/64	50/64	0.00001~0.031	(0.00001)	Bivalves 6/6	Bivalves 6/6	Bivalves 0.000009~0.00011	(Bivalves 0.000002)	W.S. 36/37	W.S. 36/37	W.S. 0.00003~0.0055	(W.S. 0.00002)					
743-9	Nanochlorobiphenyls	53742-07-7	2000	9/28	9/28	0.00000070~0.000051	(0.0000002)	31/36	31/36	0.0000016~0.0025	(0.0000004)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.000052~0.00040	(Bivalves & Fish 0.0000008)	17/17	17/17	0.000018~0.00042	(0.000002)			743-9		
			2001	8/29	8/29	0.0000002~0.0000039	(0.0000002~0.0000005)	37/39	37/39	0.0000007~0.0032	(0.0000002~0.0000005)	Bivalves & Fish 35/36	Bivalves & Fish 35/36	Bivalves & Fish 0.000044~0.00038	(Bivalves & Fish 0.0000003)	15/15	15/15	0.000019~0.0048	(0.000002~0.000005)					
			2002	76/114	30/38	0.00000007~0.000021	(0.00000030)	164/189	58/63	0.0000003~0.0050	(0.0000003)	Bivalves 2/38	Bivalves 1/8	Bivalves 0.0000010~0.000027	(Bivalves 0.0000006)	57/102	34/34	0.000012~0.0010	(0.00001)					
			2003	36/36	36/36	0.00000046~0.000002	(0.0000004)	157/186	54/62	0.0000006~0.010	(0.0000006)	Bivalves 8/30	Bivalves 2/6	Bivalves 0.0000015~0.000031	(Bivalves 0.0000013)	W.S. 35/35	W.S. 35/35	W.S. 0.000014~0.00021	(W.S. 0.000013)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2004	32/38	32/38	0.000008~0.000007	(0.000008)	158/189	56/63	0.000003~0.0029	(0.000003)	Bivalves 1/31 Fish 70/70 Birds 10/10	Bivalves 1/7 Fish 14/14 Birds 2/2	Bivalves 0.000072 (Bivalves 0.000019) Fish 0.000029~0.00045 Birds 0.000044~0.00014	(Bivalves 0.000019)	W.S. 32/37 C.S. 32/37	W.S. 32/37 C.S. 32/37	W.S. 0.000022~0.00025 C.S. 0.000013~0.00055	(W.S. 0.000012) (C.S. 0.000012)					
			2005	12/47	12/47	0.000006~0.000019	(0.000006)	164/189	58/63	0.000002~0.0019	(0.000002)	Bivalves 1/31 Fish 73/80 Birds 10/10	Bivalves 1/7 Fish 15/16 Birds 2/2	Bivalves 0.000026 (Bivalves 0.000021) Fish 0.000024~0.00048 Birds 0.000038~0.00012	(Bivalves 0.000021) (Fish 0.0000021) (Birds 0.000021)	W.S. 26/37 C.S. 27/37	W.S. 26/37 C.S. 27/37	W.S. 0.000020~0.00018 C.S. 0.000020~0.00011	(W.S. 0.000020) (C.S. 0.000020)					
			2006	27/48	27/48	0.0000019~0.000032	(0.000005)	173/192	61/64	0.000002~0.0025	(0.000002)	Bivalves 13/31 Fish 80/80 Birds 10/10	Bivalves 4/7 Fish 16/16 Birds 2/2	Bivalves 0.000001~0.00002 Fish 0.000001~0.00059 Birds 0.000038~0.00020	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 33/37 C.S. 34/37	W.S. 33/37 C.S. 34/37	W.S. 0.000009~0.00018 C.S. 0.000009~0.00014	(W.S. 0.000009) (C.S. 0.000009)					
			2007	16/48	16/48	0.0000003~0.000030	(0.000003)	156/192	55/64	0.000003~0.0023	(0.000003)	Bivalves 1/31 Fish 72/80 Birds 10/10	Bivalves 1/7 Fish 15/16 Birds 2/2	Bivalves 0.000002 Fish 0.000002~0.00088 Birds 0.000036~0.000095	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 24/36 C.S. 28/36	W.S. 24/36 C.S. 28/36	W.S. 0.00002~0.00031 C.S. 0.00002~0.00015	(W.S. 0.00002) (C.S. 0.00002)					
			2008	13/48	13/48	0.0000007~0.000045	(0.000004)	187/192	64/64	0.000001~0.0043	(0.0000009)	Bivalves 0/31 Fish 84/85 Birds 10/10	Bivalves 0/7 Fish 17/17 Birds 2/2	Bivalves — Fish 0.000002~0.00018 Birds 0.000041~0.00014	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 28/37 C.S. 30/37	W.S. 28/37 C.S. 30/37	W.S. 0.00002~0.00022 C.S. 0.00002~0.00012	(W.S. 0.00002) (C.S. 0.00002)					
			2009	22/49	22/49	0.0000004~0.000069	(0.000002)	152/192	55/64	0.000005~0.0017	(0.000004)	Bivalves 6/31 Fish 90/90 Birds 10/10	Bivalves 2/7 Fish 18/18 Birds 2/2	Bivalves 0.000002 Fish 0.000001~0.00026 Birds 0.000025~0.000084	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 28/37 C.S. 19/37	W.S. 28/37 C.S. 19/37	W.S. 0.00002~0.00019 C.S. 0.00003~0.00009	(W.S. 0.00002) (C.S. 0.00002)					
			2010	32/49	32/49	0.0000001~0.000017	(0.000002)	52/64	52/64	0.000002~0.0027	(0.000001)	Bivalves 0/6 Fish 14/18 Birds 2/2	Bivalves 0/6 Fish 14/18 Birds 2/2	Bivalves — Fish 0.000004~0.00017 Birds 0.000031~0.000080	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 14/37 C.S. 24/37	W.S. 14/37 C.S. 24/37	W.S. 0.00003~0.00023 C.S. 0.00003~0.00027	(W.S. 0.00003) (C.S. 0.00003)					
743-10	Decachlorobiphenyl	2051-24-3	2000	8/28	8/28	0.0000030~0.000037	(0.000003)	33/36	33/36	0.000012~0.00076	(0.000005)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.0000050~0.00015	(Bivalves & Fish 0.000002)	17/17	17/17	0.000010~0.00054	(0.00001)			743-10		
			2001	14/29	14/29	0.0000004~0.000040	(0.000004)	35/39	35/39	0.000007~0.00046	(0.000007)	Bivalves & Fish 35/36	Bivalves & Fish 35/36	Bivalves & Fish 0.0000040~0.00028	(Bivalves & Fish 0.000002)	15/15	15/15	0.00001~0.00020	(0.00001)					
			2002	98/114	35/38	0.00000050~0.000056	(0.0000030)	174/189	61/63	0.000003~0.0053	(0.000003)	Bivalves 10/38 Fish 70/70 Birds 10/10	Bivalves 2/8 Fish 14/14 Birds 2/2	Bivalves 0.0000056~0.00025 Fish 0.000002~0.00092 Birds 0.000032~0.000050	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	85/102	34/34	0.0000051~0.014	(0.000005)					
			2003	10/36	10/36	0.0000009~0.000021	(0.000009)	158/186	55/62	0.000006~0.0077	(0.000006)	Bivalves 10/30 Fish 64/70 Birds 10/10	Bivalves 2/6 Fish 13/14 Birds 2/2	Bivalves 0.0000031~0.00032 Fish 0.0000017~0.00010 Birds 0.000050~0.000091	(Bivalves 0.000015) (Fish 0.000015) (Birds 0.000015)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000010~0.00032 C.S. 0.0000083~0.00011	(W.S. 0.000057) (C.S. 0.000057)					
			2004	34/38	34/38	0.000002~0.000084	(0.000002)	157/189	53/63	0.000004~0.0056	(0.000004)	Bivalves 2/31 Fish 64/70 Birds 10/10	Bivalves 2/7 Fish 14/14 Birds 2/2	Bivalves 0.0000025~0.00016 Fish 0.0000019~0.00018 Birds 0.000025~0.000077	(Bivalves 0.000018) (Fish 0.000018) (Birds 0.000018)	W.S. 36/37 C.S. 35/37	W.S. 36/37 C.S. 35/37	W.S. 0.0000084~0.00017 C.S. 0.000012~0.00033	(W.S. 0.000081) (C.S. 0.000081)					
			2005	14/47	14/47	0.000001~0.000056	(0.000001)	160/189	57/63	0.000003~0.0084	(0.000003)	Bivalves 11/31 Fish 75/80 Birds 10/10	Bivalves 3/7 Fish 15/16 Birds 2/2	Bivalves 0.0000080~0.00048 Fish 0.0000097~0.00015 Birds 0.000025~0.000074	(Bivalves 0.0000075) (Fish 0.0000075) (Birds 0.0000075)	W.S. 32/37 C.S. 33/37	W.S. 32/37 C.S. 33/37	W.S. 0.000010~0.00021 C.S. 0.000013~0.00024	(W.S. 0.000010) (C.S. 0.000010)					
			2006	26/48	26/48	0.0000010~0.000037	(0.000007)	176/192	61/64	0.000002~0.0059	(0.000002)	Bivalves 7/31 Fish 80/80 Birds 10/10	Bivalves 3/7 Fish 16/16 Birds 2/2	Bivalves 0.0000006~0.00067 Fish 0.0000006~0.000096 Birds 0.000025~0.00010	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 23/37 C.S. 30/37	W.S. 23/37 C.S. 30/37	W.S. 0.00002~0.00028 C.S. 0.00002~0.00009	(W.S. 0.00002) (C.S. 0.00002)					
2007	21/48	21/48	0.0000006~0.000090	(0.000003)	173/192	61/64	0.000003~0.011	(0.000003)	Bivalves 6/31 Fish 72/80 Birds 10/10	Bivalves 2/7 Fish 15/16 Birds 2/2	Bivalves 0.0000022~0.00043 Fish 0.0000008~0.00055 Birds 0.000026~0.000047	(Bivalves 0.000008) (Fish 0.000008) (Birds 0.000008)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000008~0.00021 C.S. 0.000009~0.00015	(W.S. 0.000007) (C.S. 0.000007)								
			2008	28/48	28/48	0.0000007~0.00017	(0.000002)	185/192	63/64	0.000001~0.0047	(0.000001)	Bivalves 6/31 Fish 85/85 Birds 10/10	Bivalves 2/7 Fish 17/17 Birds 2/2	Bivalves 0.0000038~0.00013 Fish 0.0000006~0.000063 Birds 0.000025~0.000056	(Bivalves 0.000005) (Fish 0.000005) (Birds 0.000005)	W.S. 34/37 C.S. 37/37	W.S. 34/37 C.S. 37/37	W.S. 0.00001~0.00009 C.S. 0.00001~0.00011	(W.S. 0.00001) (C.S. 0.00001)					

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2009	28/49	28/49	0.0000003~0.000036	(0.0000002)	179/192	62/64	0.0000002~0.0056	(0.0000002)	Bivalves 6/31 Fish 89/90 Birds 10/10	Bivalves 2/7 Fish 18/18 Birds 2/2	Bivalves 0.000011~0.000019 Fish 0.0000006~0.000040 Birds 0.000019~0.000041	(Bivalves 0.000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.000006~0.000020 C.S. 0.000007~0.0026	(W.S. 0.000006) (C.S. 0.000006)					
			2010	36/49	36/49	0.00000041~0.000034	(0.0000009)	55/64	55/64	0.0000004~0.0028	(0.0000004)	Bivalves 2/6 Fish 13/18 Birds 2/2	Bivalves 2/6 Fish 13/18 Birds 2/2	Bivalves 0.000004~0.000018 Fish 0.000004~0.000073 Birds 0.000030~0.000046	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 34/37 C.S. 35/37	W.S. 34/37 C.S. 35/37	W.S. 0.00001~0.00006 C.S. 0.00001~0.00043	(W.S. 0.00001) (C.S. 0.00001)					
744	Polychlorobiphenyls		1978									Bivalves 10/10 Fish 25/30 Birds 6/7	Bivalves 2/2 Fish 5/6 Birds 1/1	Bivalves 0.01~0.08 Fish 0.01~0.5 Birds 0.01~0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)								744	
			1979									Bivalves 15/15 Fish 35/40 Birds 6/6	Bivalves 3/3 Fish 7/8 Birds 1/1	Bivalves 0.01~0.08 Fish 0.01~0.7 Birds 0.02~0.03	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1980									Bivalves 15/15 Fish 33/50 Birds 8/8	Bivalves 3/3 Fish 8/10 Birds 1/1	Bivalves 0.01~0.05 Fish 0.01~1 Birds 0.02~0.05	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1981									Bivalves 10/20 Fish 24/46 Birds 7/7	Bivalves 2/4 Fish 6/9 Birds 1/1	Bivalves 0.02~0.06 Fish 0.01~1.8 Birds 0.02~0.03	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1982									Bivalves 11/20 Fish 27/50 Birds 5/9	Bivalves 3/4 Fish 6/10 Birds 2/2	Bivalves 0.01~0.05 Fish 0.01~2.1 Birds 0.01~8.9	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1983									Bivalves 10/20 Fish 28/50 Birds 5/10	Bivalves 2/4 Fish 6/10 Birds 1/2	Bivalves 0.04~0.10 Fish 0.02~0.99 Birds 1.2~2.6	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1984									Bivalves 10/20 Fish 35/60 Birds 9/10	Bivalves 2/4 Fish 7/12 Birds 2/2	Bivalves 0.03~0.09 Fish 0.01~1.0 Birds 0.01~2.3	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1985									Bivalves 10/20 Fish 35/60 Birds 5/10	Bivalves 2/4 Fish 7/12 Birds 1/2	Bivalves 0.03~0.09 Fish 0.06~1.4 Birds 1.4~2.1	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1986									Bivalves 10/20 Fish 42/60 Birds 6/10	Bivalves 2/4 Fish 9/12 Birds 2/2	Bivalves 0.02~0.09 Fish 0.01~1.0 Birds 0.01~1.5	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1987									Bivalves 10/20 Fish 52/65 Birds 10/10	Bivalves 2/4 Fish 11/13 Birds 2/2	Bivalves 0.01~0.06 Fish 0.01~0.40 Birds 0.01~2.8	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1988									Bivalves 10/20 Fish 47/65 Birds 7/10	Bivalves 2/4 Fish 10/13 Birds 2/2	Bivalves 0.01~0.05 Fish 0.01~0.53 Birds 0.01~3.60	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1989									Bivalves 11/21 Fish 41/65 Birds 9/10	Bivalves 3/5 Fish 9/13 Birds 2/2	Bivalves 0.02~0.11 Fish 0.02~0.57 Birds 0.01~1.90	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1990									Bivalves 15/25 Fish 41/65 Birds 5/10	Bivalves 3/5 Fish 9/13 Birds 1/2	Bivalves 0.02~0.07 Fish 0.01~0.73 Birds 1.00~2.00	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1991									Bivalves 20/30 Fish 36/65 Birds 5/10	Bivalves 4/6 Fish 8/13 Birds 1/2	Bivalves 0.02~0.06 Fish 0.01~0.77 Birds 2.0~3.3	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1992									Bivalves 15/30 Fish 37/70 Birds 5/10	Bivalves 3/6 Fish 9/14 Birds 1/2	Bivalves 0.01~0.04 Fish 0.01~0.53 Birds 0.79~1.40	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1993					2/3	2/3	0.080~0.35	(0.010)	Fish 2/3	Fish 2/3	Fish 0.20~0.57	(Fish 0.010)									
			1994					2/3	2/3	0.38~1.4	(0.010)	Bivalves 16/30 Fish 39/70 Birds 0/5	Bivalves 4/6 Fish 9/14 Birds 0/1	Bivalves 0.01~0.02 Fish 0.01~0.33 Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1995					2/3	2/3	0.080~0.33	(0.010)	Bivalves 15/30 Fish 34/70 Birds 5/10	Bivalves 3/6 Fish 8/14 Birds 1/2	Bivalves 0.01~0.11 Fish 0.01~0.24 Birds 0.14~0.67	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1996					16/36	16/36	0.010~0.34	(0.010)	Bivalves 15/30 Fish 43/70 Birds 6/10	Bivalves 3/6 Fish 11/14 Birds 2/2	Bivalves 0.01~0.04 Fish 0.01~0.45 Birds 0.01~0.05	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1997					17/40	17/40	0.01~0.14	(0.01)	Bivalves 15/30 Fish 45/70 Birds 5/10	Bivalves 3/6 Fish 10/14 Birds 1/2	Bivalves 0.01~0.03 Fish 0.01~0.37 Birds 0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1998									Bivalves 10/30 Fish 39/70 Birds 5/10	Bivalves 2/6 Fish 8/14 Birds 1/2	Bivalves 0.02~0.09 Fish 0.01~0.29 Birds 0.01~0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1999									Bivalves 15/30 Fish 39/70 Birds 7/10	Bivalves 4/6 Fish 9/14 Birds 2/2	Bivalves 0.01~0.05 Fish 0.01~0.78 Birds 0.01~0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)	45/45	15/15	0.11~2.1	(0.003)					
			(2000)									Bivalves 10/30 Fish 36/70 Birds 5/10	Bivalves 2/6 Fish 8/14 Birds 1/2	Bivalves 0.02~0.04 Fish 0.01~0.95 Birds 0.01~0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
				28/28	28/28	0.000095~0.0084	(0.00000003~0.0000002)	36/36	36/36	0.000042~0.75	(0.00000006~0.0000009)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0038~0.35	(Bivalves & Fish 0.0000002~0.0000002)	17/17	17/17	0.091~2.3	(0.0000004~0.0003)					

Number	Name	CAS registry number	Year (FY)	Surface water (μg/L)				Sediment (μg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (μg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
			(2001)									Bivalves 10/30 Fish 35/72 Birds 5/10	Bivalves 2/6 Fish 7/15 Birds 1/2	Bivalves 0.04~0.07 Fish 0.01~0.40 Birds 0.03~0.17	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
				29/29	29/29	0.000011~0.0033	(0.00000003~0.000030)	39/39	39/39	0.000063~0.51	(0.00000003~0.000010)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0032~0.53	(Bivalves & Fish 0.00000002~0.00000005)	15/15	15/15	0.062~1.7	(0.00000004~0.005)						
			(2002)	114/114	38/38	0.000060~0.011	(0.0000025*)	189/189	63/63	0.000039~0.63	(0.0000035*)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.0002~0.16 Fish 0.0015~0.55 Birds 0.0048~0.022	(Bivalves 0.0000084*) (Fish 0.0000084*) (Birds 0.0000084*)	102/102	34/34	0.016~0.88	(0.033*)						
			(2003)	36/36	36/36	0.00023~0.0031	(0.0000025*)	186/186	62/62	0.000039~5.6	(0.0000032*)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0010~0.13 Fish 0.00087~0.15 Birds 0.0068~0.042	(Bivalves 0.000017*) (Fish 0.000017*) (Birds 0.000017*)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.036~2.6 C.S. 0.017~0.63	(W.S. 0.0022*) (C.S. 0.0022*)						
			(2004)	38/38	38/38	0.00014~0.0044	(0.0000050*)	189/189	63/63	0.000038~1.3	(0.0000026*)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0015~0.15 Fish 0.00099~0.54 Birds 0.0059~0.013	(Bivalves 0.000029*) (Fish 0.000029*) (Birds 0.000029*)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.025~3.3 C.S. 0.020~1.5	(W.S. 0.00098*) (C.S. 0.00098*)						
			(2005)	47/47	47/47	0.00014~0.0078	(0.0000032*)	189/189	63/63	0.000042~0.69	(0.0000021*)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00092~0.085 Fish 0.00080~0.54 Birds 0.0056~0.019	(Bivalves 0.000023*) (Fish 0.000023*) (Birds 0.000023*)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.023~1.5 C.S. 0.020~0.38	(W.S. 0.00014*) (C.S. 0.00014*)						
			(2006)	48/48	48/48	0.000015~0.0043	(0.000003*)	192/192	64/64	0.000036~0.69	(0.000001*)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00069~0.077 Fish 0.00099~0.31 Birds 0.0056~0.048	(Bivalves 0.000014*) (Fish 0.000014*) (Birds 0.000014*)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.021~1.5 C.S. 0.019~0.45	(W.S. 0.0003*) (C.S. 0.0003*)						
			(2007)	48/48	48/48	0.000012~0.0027	(0.0000029*)	192/192	64/64	0.000019~0.82	(0.0000015*)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00098~0.066 Fish 0.00079~0.53 Birds 0.0039~0.015	(Bivalves 0.000018*) (Fish 0.000018*) (Birds 0.000018*)	W.S. 24/24 C.S. 22/22	W.S. 24/24 C.S. 22/22	W.S. 0.037~0.98 C.S. 0.025~0.23	(W.S. 0.00013*) (C.S. 0.00013*)						
			(2008)	48/48	48/48	0.000027~0.0043	(0.0000030*)	192/192	64/64	0.000022~0.63	(0.0000012*)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.00087~0.069 Fish 0.0012~0.33 Birds 0.0030~0.056	(Bivalves 0.000017*) (Fish 0.000017*) (Birds 0.000017*)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.052~0.96 C.S. 0.021~1.5	(W.S. 0.00030*) (C.S. 0.00030*)						
			(2009)	48/48	48/48	0.000014~0.0039	(0.000004*)	192/192	64/64	0.000017~1.7	(0.0000021*)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.00078~0.062 Fish 0.00084~0.29 Birds 0.0039~0.0095	(Bivalves 0.000011*) (Fish 0.000011*) (Birds 0.000011*)	W.S. 34/34 C.S. 34/34	W.S. 34/34 C.S. 34/34	W.S. 0.043~1.4 C.S. 0.020~0.38	(W.S. 0.00026*) (C.S. 0.00026*)						
			(2010)	41/49	41/49	0.000034~0.0022	(0.000024*)	56/64	56/64	0.00045~0.71	(0.00022*)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.0015~0.046 Fish 0.00088~0.26 Birds 0.0066~0.0091	(Bivalves 0.000020*) (Fish 0.000020*) (Birds 0.000020*)	W.S. 35/35 C.S. 35/35	W.S. 35/35 C.S. 35/35	W.S. 0.036~0.97 C.S. 0.019~0.63	(W.S. 0.0025*) (C.S. 0.0025*)						
745	Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptanes (synonym: Toxaphenes)	8001-35-2	1983	0/33	0/11	—	(0.3~0.6)	0/33	0/11	—	(0.01~0.04)													745	
746	Polychloronaphthalenes	70776-03-3	1976	4/123	4/66	0.10~0.45	(0.02~2)	23/138	14/64	0.005~0.67	(0.004~0.2)	Fish 1/39	Fish 1/18	Fish 0.35	(Fish 0.005~0.05)										746
			1978	3/75	1/25	0.008~0.04	(0.001~1)	15/75	7/25	0.02~1.0	(0.005~0.05)	Fish 9/66	Fish 4/19	Fish 0.002~0.13	(Fish 0.004~0.05)										
			1979									Bivalves 0/15 Fish 0/40 Birds 0/6	Bivalves 0/3 Fish 0/8 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.1)										
			1980									Bivalves 0/15 Fish 0/50 Birds 0/8	Bivalves 0/3 Fish 0/10 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1982									Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1987									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1989									Bivalves 0/21 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1991									Bivalves 0/30 Fish 0/65 Birds 0/10	Bivalves 0/6 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1993									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)										
			1998																						
			(2001)	12/24	5/8	0.0000052~0.000094		24/24	8/8	0.000020~0.0041															
			(2002)									Fish 30/30	Fish 10/10	Fish 0.000012~0.0020	(Fish 0.000002~0.000003)	32/33	11/11	0.00048~0.55	(0.00002~0.001)	Food 36/50		0.001~0.30ng/g-wet	(0.001~0.005)		

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			(2006)																					
			(2008)	9/48	9/48	0.000044~0.00018	(0.000030*)	166/189	58/63	0.000032~0.028	(0.000030*)	Bivalves 31/31 Fish 78/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000019~0.0012 Fish 0.000010~0.0027 Birds 0.000011~0.000027	(Bivalves 0.000011*) (Fish 0.000011*) (Birds 0.000011*)	W.S. 22/23 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.035~0.66 C.S. 0.015~0.91	(W.S. 0.0013*) (C.S. 0.0013*)					
746-1	Monochloronaphthalenes	25586-43-0	2001	7/24	3/8	0.0000042~0.000012	(0.0000040)	11/24	6/8	0.0000012~0.000075	(0.0000008)												746-1	
			2002									Fish 30/30	Fish 10/10	Fish 0.000005~0.00019	(Fish 0.000003)	21/33	10/11	0.0003~0.052	(0.0003)	Food 32/50		0.005~0.30ng/g-wet	(0.005)	
			2006									Bivalves 31/31 Fish 78/80 Birds 2/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.0000031~0.000012 Fish 0.0000021~0.000072 Birds 0.0000025~0.000029	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)									
			2008	7/44	7/44	0.0000070~0.000032	(0.0000070)	120/176	46/59	0.0000074~0.0015	(0.0000066)	Bivalves 14/31 Fish 41/85 Birds 5/10	Bivalves 5/7 Fish 11/17 Birds 1/2	Bivalves 0.0000095~0.000073 Fish 0.0000011~0.00017 Birds 0.0000013~0.000024	(Bivalves 0.0000066) (Fish 0.0000066) (Birds 0.0000066)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.011~0.55 C.S. 0.0074~0.82	(W.S. 0.0005) (C.S. 0.0005)					
746-1-1	1-Chloronaphthalene	90-13-1	1977	0/6	0/2	—	(0.3~3)	0/6	0/2	—	(0.012~0.3)												746-1-1	
			1986	0/33	0/11	—	(0.05)	0/30	0/10	—	(0.003)													
			2007													12/24	5/8	0.16~0.73	(0.15)					
746-1-2	2-Chloronaphthalene	91-58-7	1977	0/6	0/2	—	(0.3~3)	0/6	0/2	—	(0.012~0.3)												746-1-2	
			1986	0/33	0/11	—	(0.05)	0/30	0/10	—	(0.003)													
			2006									Bivalves 15/31 Fish 28/80 Birds 0/10	Bivalves 5/7 Fish 8/16 Birds 0/2	Bivalves 0.0000020~0.000044 Fish 0.0000017~0.000018 Birds —	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)									
			2008	2/48	2/48	0.0000044~0.0000050	(0.0000040)	73/189	29/63	0.0000070~0.00042	(0.0000066)	Bivalves 1/31 Fish 14/75 Birds 0/5	Bivalves 1/7 Fish 4/15 Birds 0/2	Bivalves 0.0000035 Fish 0.0000034~0.000011 Birds —	(Bivalves 0.0000033) (Fish 0.0000033) (Birds 0.0000033)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.0023~0.071 C.S. 0.0032~0.099	(W.S. 0.00067) (C.S. 0.00067)					
746-2	Dichloronaphthalenes	28699-88-9	2001	3/24	1/8	0.0000059~0.0000076	(0.0000050)	15/24	6/8	0.0000021~0.0013	(0.0000009)												746-2	
			2002									Fish 15/30	Fish 6/10	Fish 0.000003~0.00015	(Fish 0.000003)	28/33	11/11	0.00030~0.13	(0.0002)	Food 8/50		0.001~0.012ng/g-wet	(0.001)	
			2006									Bivalves 28/31 Fish 68/80 Birds 4/10	Bivalves 7/7 Fish 15/16 Birds 1/2	Bivalves 0.0000017~0.00022 Fish 0.0000016~0.000090 Birds 0.0000016~0.000023	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)									
			2008	14/45	14/45	0.0000027~0.000019	(0.0000023)	169/189	60/63	0.0000026~0.0055	(0.0000025)	Bivalves 28/31 Fish 67/85 Birds 0/10	Bivalves 7/7 Fish 15/17 Birds 0/2	Bivalves 0.0000010~0.00010 Fish 0.0000011~0.000057 Birds —	(Bivalves 0.0000098) (Fish 0.0000098) (Birds 0.0000098)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.0044~0.11 C.S. 0.0026~0.047	(W.S. 0.00021) (C.S. 0.00021)					
746-2-1	1,5-Dichloronaphthalene	1825-30-5	2006									Bivalves 5/31 Fish 22/80 Birds 0/10	Bivalves 1/7 Fish 5/16 Birds 0/2	Bivalves 0.000017~0.00013 Fish 0.0000021~0.000013 Birds —	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)									746-2-1
			2008	0/44	0/44	—	(0.0000023)	123/189	47/63	0.0000026~0.0010	(0.0000025)	Bivalves 8/31 Fish 29/85 Birds 0/10	Bivalves 3/7 Fish 8/17 Birds 0/2	Bivalves 0.0000010~0.000017 Fish 0.0000011~0.000012 Birds —	(Bivalves 0.0000098) (Fish 0.0000098) (Birds 0.0000098)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00056~0.015 C.S. 0.00048~0.0070	(W.S. 0.00029) (C.S. 0.00029)					
746-2-2	2,7-Dichloronaphthalene	2198-77-8	2006									Bivalves 11/31 Fish 29/80 Birds 0/10	Bivalves 3/7 Fish 6/16 Birds 0/2	Bivalves 0.0000016~0.000035 Fish 0.0000020~0.000018 Birds —	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)									746-2-2
			2008	2/47	2/47	0.0000016~0.0000023	(0.0000011)	133/189	51/63	0.0000012~0.0014	(0.0000012)	Bivalves 9/31 Fish 36/85 Birds 0/10	Bivalves 3/7 Fish 9/17 Birds 0/2	Bivalves 0.0000010~0.000022 Fish 0.0000099~0.000040 Birds —	(Bivalves 0.0000098) (Fish 0.0000098) (Birds 0.0000098)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00061~0.014 C.S. 0.00038~0.0081	(W.S. 0.00022) (C.S. 0.00022)					
746-3	Trichloronaphthalenes	1321-65-9	2001	10/24	4/8	0.0000050~0.000041	(0.0000050)	24/24	8/8	0.0000037~0.00073	(0.0000005)												746-3	
			2002									Fish 17/30	Fish 7/10	Fish 0.000002~0.00097	(Fish 0.000002)	32/33	11/11	0.00038~0.16	(0.00005)	Food 17/50		0.001~0.008ng/g-wet	(0.001)	
			2006									Bivalves 31/31 Fish 59/80 Birds 10/10	Bivalves 7/7 Fish 13/16 Birds 2/2	Bivalves 0.0000020~0.00038 Fish 0.0000017~0.0011 Birds 0.0000015~0.000024	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)									



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
746-3-1	1,2,3-Trichloronaphthalene	50402-52-3	2008	19/48	19/48	0.000031~ 0.000055	(0.000031)	171/189	58/63	0.000038~ 0.0065	(0.000033)	Bivalves 31/31 Fish 65/85 Birds 0/10	Bivalves 7/7 Fish 16/17 Birds 0/2	Bivalves 0.000017~ 0.00041 Fish 0.000012~ 0.00073 Birds —	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.0043~ 0.13 C.S. 0.0013~ 0.085	(W.S. 0.00031) (C.S. 0.00031)				746-3-1		
			2006										Bivalves 9/31 Fish 6/80 Birds 0/10	Bivalves 2/7 Fish 2/16 Birds 0/2	Bivalves 0.000015~ 0.000050 Fish 0.000014~ 0.000019 Birds —	(Bivalves 0.000014) (Fish 0.000014) (Birds 0.000014)									
746-4	Tetrachloronaphthalenes	1335-88-2	2008	0/44	0/44	—	(0.000029)	51/189	21/63	0.000034~ 0.000048	(0.000033)	Bivalves 6/31 Fish 6/85 Birds 0/10	Bivalves 2/7 Fish 2/17 Birds 0/2	Bivalves 0.000014~ 0.000024 Fish 0.000014~ 0.000022 Birds —	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00024~ 0.003 C.S. 0.00015~ 0.0024	(W.S. 0.00018) (C.S. 0.00018)						
			2001	5/24	2/8	0.000087~ 0.000039	(0.000080)	24/24	8/8	0.000014~ 0.0017	(0.000010)														746-4
			2002										Fish 28/30 Birds 10/10	Fish 10/10 Birds 10/10	Fish 0.000003~ 0.00076	(Fish 0.000003)	27/33 10/11	10/11	0.001~0.2	(0.0005)	Food 13/50		0.001~0.005ng/g-wet	(0.001)	
			2006										Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000082~ 0.00043 Fish 0.000017~ 0.0013 Birds 0.000027~ 0.000091	(Bivalves 0.0000036) (Fish 0.0000036) (Birds 0.0000036)									
746-4-1	1,2,3,4-Tetrachloronaphthalene	20020-02-4	2008	25/48	25/48	0.000048~ 0.000098	(0.000047)	178/189	62/63	0.000049~ 0.0058	(0.000048)	Bivalves 31/31 Fish 84/85 Birds 6/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000052~ 0.00057 Fish 0.000022~ 0.0010 Birds 0.000031~ 0.000088	(Bivalves 0.000019) (Fish 0.000019) (Birds 0.000019)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.0030~ 0.13 C.S. 0.00089~ 0.19	(W.S. 0.00014) (C.S. 0.00014)						
			2006										Bivalves 11/31 Fish 11/80 Birds 0/10	Bivalves 3/7 Fish 4/16 Birds 0/2	Bivalves 0.000014~ 0.000033 Fish 0.000014~ 0.000014 Birds —	(Bivalves 0.000014) (Fish 0.000014) (Birds 0.000014)									
746-4-2	1,2,3,8-Tetrachloronaphthalene		2008	0/48	0/48	—	(0.000025)	58/189	27/63	0.000036~ 0.000047	(0.000034)	Bivalves 7/31 Fish 14/85 Birds 0/10	Bivalves 3/7 Fish 4/17 Birds 0/2	Bivalves 0.000013~ 0.000043 Fish 0.000011~ 0.000093 Birds —	(Bivalves 0.000010) (Fish 0.000010) (Birds 0.000010)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00015~ 0.0048 C.S. 0.00059~ 0.0023	(W.S. 0.00024) (C.S. 0.00024)						
			2006										Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)									
746-4-3	Total of 1,2,5,6-Tetrachloronaphthalene and 1,2,3,5-Tetrachloronaphthalene	67922-22-9 53555-63-8	2008	0/44	0/44	—	(0.000044)	134/189	50/63	0.000036~ 0.00025	(0.000035)	Bivalves 28/31 Fish 46/80 Birds 1/10	Bivalves 7/7 Fish 12/16 Birds 1/2	Bivalves 0.0000039~ 0.000013 Fish 0.0000036~ 0.000023 Birds 0.0000041	(Bivalves 0.0000036) (Fish 0.0000036) (Birds 0.0000036)										
			2006										Bivalves 21/31 Fish 28/85 Birds 0/10	Bivalves 5/7 Fish 7/17 Birds 0/2	Bivalves 0.000018~ 0.000024 Fish 0.000021~ 0.000017 Birds —	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00023~ 0.0038 C.S. 0.00011~ 0.0056	(W.S. 0.00032) (C.S. 0.00032)					
746-4-4	1,4,5,8-Tetrachloronaphthalene	3432-57-3	2008	4/45	4/45	0.000043~ 0.000018	(0.000042)	131/189	50/63	0.000048~ 0.00038	(0.000048)	Bivalves 16/31 Fish 22/80 Birds 0/10	Bivalves 4/7 Fish 5/16 Birds 0/2	Bivalves 0.000012~ 0.000011 Fish 0.0000095~ 0.00013 Birds —	(Bivalves 0.0000095) (Fish 0.0000095) (Birds 0.0000095)	W.S. 22/22 C.S. 35/36	W.S. 22/22 C.S. 35/36	W.S. 0.00011~ 0.018 C.S. 0.00053~ 0.0094	(W.S. 0.00041) (C.S. 0.00041)						
			2006										Bivalves 11/31 Fish 14/85 Birds 0/10	Bivalves 3/7 Fish 4/17 Birds 0/2	Bivalves 0.000030~ 0.000018 Fish 0.000020~ 0.000078 Birds —	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)									
746-4-5	2,3,6,7-Tetrachloronaphthalene	34588-40-4	2008	0/44	0/44	—	(0.000037)	9/189	5/63	0.000030~ 0.00011	(0.000030)	Bivalves 0/31 Fish 5/80 Birds 0/10	Bivalves 0/7 Fish 3/16 Birds 0/2	Bivalves — Fish 0.000075~ 0.000018 Birds —	(Bivalves 0.000018) (Fish 0.000018) (Birds 0.000018)										
			2006										Bivalves 1/31 Fish 0/85 Birds 0/10	Bivalves 1/7 Fish 0/17 Birds 0/2	Bivalves 0.000012 Fish — Birds —	(Bivalves 0.0000090) (Fish 0.0000090) (Birds 0.0000090)	W.S. 20/37 C.S. 25/37	W.S. 20/37 C.S. 25/37	W.S. 0.000019~ 0.00011 C.S. 0.000016~ 0.000085	(W.S. 0.00013) (C.S. 0.00013)					
746-5	Pentachloronaphthalenes	1321-64-8	2001	1/24	1/8	0.000013	(0.000080)	22/24	8/8	0.000020~ 0.0011	(0.000020)													746-5	
			2002										Fish 29/30 Birds 10/10	Fish 10/10 Birds 10/10	Fish 0.000003~ 0.00026	(Fish 0.000003)	26/33 10/11	10/11	0.00002~0.021	(0.00002)	Food 5/50		0.001~0.002ng/g-wet	(0.001)	
			2006										Bivalves 31/31 Fish 74/80 Birds 5/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.000030~ 0.00012 Fish 0.000017~ 0.00022 Birds 0.000041~ 0.000065	(Bivalves 0.000017) (Fish 0.000017) (Birds 0.000017)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			2008	13/45	13/45	0.000036~0.000016	(0.000031)	181/189	61/63	0.000024~0.0048	(0.000019)	Bivalves 31/31 Fish 82/85 Birds 6/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000023~0.00019 Fish 0.000022~0.00029 Birds 0.000027~0.000076	(Bivalves 0.000019) (Fish 0.000019) (Birds 0.000019)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00058~0.010 C.S. 0.00016~0.0091	(W.S. 0.000050) (C.S. 0.000050)					
746-5-1	1,2,3,4,6-Pentachloronaphthalene	67922-26-3	2006									Bivalves 5/31 Fish 3/80 Birds 0/10	Bivalves 1/7 Fish 1/16 Birds 0/2	Bivalves 0.000026~0.000044 Fish 0.000019~0.000023 Birds —	(Bivalves 0.000018) (Fish 0.000018) (Birds 0.000018)								746-5-1	
			2008	0/45	0/45	—	(0.000028)	125/189	49/63	0.000018~0.00016	(0.000018)	Bivalves 6/31 Fish 12/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.000036~0.000077 Fish 0.000012~0.000038 Birds —	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)	W.S. 22/22 C.S. 33/36	W.S. 22/22 C.S. 33/36	W.S. 0.000034~0.00069 C.S. 0.000025~0.00053	(W.S. 0.000024) (C.S. 0.000024)					
746-5-2	1,2,3,5,7-Pentachloronaphthalene	53555-65-0	2006									Bivalves 23/31 Fish 61/80 Birds 5/10	Bivalves 6/7 Fish 14/16 Birds 1/2	Bivalves 0.000019~0.000031 Fish 0.000018~0.00012 Birds 0.000028~0.000035	(Bivalves 0.000017) (Fish 0.000017) (Birds 0.000017)								746-5-2	
			2008	1/45	1/45	0.000027	(0.000026)	151/189	55/63	0.000022~0.00061	(0.000019)	Bivalves 31/31 Fish 85/85 Birds 5/10	Bivalves 7/7 Fish 17/17 Birds 1/2	Bivalves 0.000010~0.000040 Fish 0.000011~0.00014 Birds 0.000027~0.000036	(Bivalves 0.0000087) (Fish 0.0000087) (Birds 0.0000087)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.000083~0.00013 C.S. 0.000036~0.00015	(W.S. 0.000020) (C.S. 0.000020)					
746-5-3	1,2,3,5,8-Pentachloronaphthalene		2006									Bivalves 6/31 Fish 28/80 Birds 0/10	Bivalves 2/7 Fish 7/16 Birds 0/2	Bivalves 0.000043~0.000078 Fish 0.000013~0.000010 Birds —	(Bivalves 0.000013) (Fish 0.000013) (Birds 0.000013)								746-5-3	
			2008	0/44	0/44	—	(0.000031)	146/189	54/63	0.000020~0.00065	(0.000019)	Bivalves 6/31 Fish 18/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.000048~0.000015 Fish 0.000019~0.000013 Birds —	(Bivalves 0.000019) (Fish 0.000019) (Birds 0.000019)	W.S. 20/22 C.S. 24/36	W.S. 20/22 C.S. 24/36	W.S. 0.000051~0.00010 C.S. 0.000055~0.00070	(W.S. 0.000050) (C.S. 0.000050)					
746-6	Hexachloronaphthalenes	1335-87-1	2001	0/24	0/8	—	(0.000019)	18/24	6/8	0.000005~0.00018	(0.000004)												746-6	
			2002									Fish 17/30	Fish 7/10	Fish 0.000004~0.000044	(Fish 0.000003)	21/33	8/11	0.00010~0.0031	(0.00008)	Food 0/50	—ng/g-wet	(0.001)		
			2006									Bivalves 8/31 Fish 50/80 Birds 10/10	Bivalves 3/7 Fish 12/16 Birds 2/2	Bivalves 0.000012~0.000011 Fish 0.000012~0.000076 Birds 0.000016~0.000060	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)									
			2008	3/45	3/45	0.000038~0.000057	(0.000033)	150/189	55/63	0.000039~0.0039	(0.000037)	Bivalves 6/31 Fish 54/85 Birds 10/10	Bivalves 2/7 Fish 13/17 Birds 2/2	Bivalves 0.000066~0.000026 Fish 0.000012~0.000092 Birds 0.000017~0.000057	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)	W.S. 22/22 C.S. 33/36	W.S. 22/22 C.S. 33/36	W.S. 0.000038~0.00011 C.S. 0.000037~0.00070	(W.S. 0.000036) (C.S. 0.000036)					
746-6-1	1,2,3,4,6,7-Hexachloronaphthalene		2006									Bivalves 0/31 Fish 33/80 Birds 10/10	Bivalves 0/7 Fish 9/16 Birds 2/2	Bivalves — Fish 0.000012~0.000016 Birds 0.000015~0.000060	(Bivalves 0.000012) (Fish 0.000012) (Birds 0.000012)								746-6-1	
			2008	0/44	0/44	—	(0.000033)	126/189	47/63	0.000017~0.00026	(0.000016)	Bivalves 6/31 Fish 43/85 Birds 10/10	Bivalves 2/7 Fish 10/17 Birds 2/2	Bivalves 0.000010~0.000020 Fish 0.000010~0.000018 Birds 0.000015~0.000057	(Bivalves 0.0000098) (Fish 0.0000098) (Birds 0.0000098)	W.S. 21/22 C.S. 36/36	W.S. 21/22 C.S. 36/36	W.S. 0.000017~0.00027 C.S. 0.000012~0.00026	(W.S. 0.000008) (C.S. 0.000008)					
746-6-2	1,2,3,5,7,8-Hexachloronaphthalene		2006									Bivalves 1/31 Fish 17/80 Birds 0/10	Bivalves 1/7 Fish 5/16 Birds 0/2	Bivalves 0.000019 Fish 0.000026~0.000025 Birds —	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)								746-6-2	
			2008	0/45	0/45	—	(0.000033)	130/189	50/63	0.000018~0.00091	(0.000017)	Bivalves 6/31 Fish 26/85 Birds 0/10	Bivalves 2/7 Fish 6/17 Birds 0/2	Bivalves 0.000011~0.000057 Fish 0.0000098~0.000027 Birds —	(Bivalves 0.0000097) (Fish 0.0000097) (Birds 0.0000097)	W.S. 16/22 C.S. 22/36	W.S. 16/22 C.S. 22/36	W.S. 0.000026~0.00018 C.S. 0.000021~0.00014	(W.S. 0.000020) (C.S. 0.000020)					
746-6-3	1,2,4,5,7,8-Hexachloronaphthalene		2006									Bivalves 4/31 Fish 22/80 Birds 0/10	Bivalves 1/7 Fish 6/16 Birds 0/2	Bivalves 0.000021~0.000030 Fish 0.000016~0.000020 Birds —	(Bivalves 0.000016) (Fish 0.000016) (Birds 0.000016)								746-6-3	
			2008	0/45	0/45	—	(0.000030)	105/189	41/63	0.000040~0.0012	(0.000037)	Bivalves 6/31 Fish 23/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.000013~0.000071 Fish 0.000012~0.000022 Birds —	(Bivalves 0.000011) (Fish 0.000011) (Birds 0.000011)	W.S. 15/22 C.S. 13/36	W.S. 15/22 C.S. 13/36	W.S. 0.000037~0.00028 C.S. 0.000037~0.00022	(W.S. 0.000036) (C.S. 0.000036)					











Number	Name	CAS registry number	Year (FY)	Surface water (μg/L)				Sediment (μg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (μg/g-wet)				Air (ng/m <sup>3</sup> )				Others				Number					
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit						
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site								
791	1,2,3,5-Tetrachlorobenzene	634-90-2	2009																										
			1975	0/100	0/20	—	(0.05)	0/100	0/20	—	(0.05)	Fish 0/95	Fish 0/19	Fish —	(Fish 0.05)										Precipitation 0/30	0/15	—μg/L	(0.05)	791
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves — Fish —	(Bivalves 0.001) (Fish 0.001)														
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1982									Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1986									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1988									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1990									Bivalves 0/25 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1992									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1994									Bivalves 0/30 Fish 0/70 Birds 0/5	Bivalves 0/6 Fish 0/14 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1996									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1999																	38/39	13/13	0.015~0.65	(0.011)						
			2007																										
												Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			2009																										
792	1,2,4,5-Tetrachlorobenzene	95-94-3	1975	0/100	0/20	—	(0.05)	0/100	0/20	—	(0.05)	Fish 0/95	Fish 0/19	Fish —	(Fish 0.05)										Precipitation 0/30	0/15	—μg/L	(0.05)	792
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves — Fish —	(Bivalves 0.001) (Fish 0.001)														
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1982									Bivalves 0/20 Fish 1/50 Birds 0/9	Bivalves 0/4 Fish 1/10 Birds 0/2	Bivalves — Fish 0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1986									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1988									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1990									Bivalves 0/25 Fish 0/65 Birds 0/10	Bivalves 0/5 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1992									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1994									Bivalves 0/30 Fish 0/70 Birds 0/5	Bivalves 0/6 Fish 0/14 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														
			1996									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)														



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others				Number	
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit		
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
			1999																						
			2007																						
			2009																						
793	2,2',3,3'-Tetrachloro-4,4'-diaminodiphenylmethane	42240-73-3	1985	0/30	0/10	—	(5)	0/24	0/8	—	(0.8)													793	
	3,3',5,5'-Tetrachloro-4,4'-diaminodiphenylmethane	See 4,4'-Methylenebis[2,6-dichloroaniline]																							
794	1,1,2,2-Tetrachloroethane	79-34-5	1976	0/60	0/13	—	(1~50)	0/40	0/11	—	(0.05~1.0)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.2)										794
795	Tetrachloroethane (synonym: CFC-112)	76-12-0	2006	0/15	0/5	—	(0.011)																		795
796	Tetrachloroethylene	127-18-4	1974	5/60	1/12	3	(0.2~2)												Precipitation 0/18	0/7	— ppm	(0.0002~0.002)		796	
			1975	73/395	16/79	0.15~9.5	(0.06~0.2)												Precipitation 3/114	2/56	0.2~0.3µg/L	(0.06~0.2)			
			1979																						
			1980																						
			1983																						
			1988	12/51	4/17	0.040~0.15	(0.001~0.5)	2/51	1/17	0.0022~0.020	(0.0002~0.01)														
			1989																						
			1990																						
			1991																						
			1992																						
			1993																						
			1994																						
			1995																						
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			1997																						
			1998																						
			1999																						
			2000																						
			2001																						
	<i>cis</i> -N-(1,1,2,2-Tetrachloroethylthio)-4-cyclohexene-1,2-dicarboxamide	See N-(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide																							
797	N-(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide (synonym: Captafol)	2425-06-1	1980	0/18	0/6	—	(0.03~0.1)	0/18	0/6	—	(0.001~0.005)														797

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)			Air (ng/m <sup>3</sup> )				Others				Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range		Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				
798	Tetrachloroisophthalonitrile (synonym: Chlorothalonil or TPN)	1897-45-6	1977	0/3	0/1	—	(10)	0/3	0/1	—	(0.1)												798		
			1991	0/57	0/19	—	(0.13)	0/30	0/10	—	(0.05)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.04)	0/51	0/17	—	(5)						
			2001	0/51	0/17	—	(0.010)																		
			2006	0/24	0/8	—	(0.0005)																		
799	Tetrachloromethane	56-23-5	1974	0/60	0/12	—	(0.02~0.5)												Precipitation 2/18	1/7	0.0102~0.0105ppm	(0.00002~0.0005)	799		
			1975	105/375	25/75	0.02~1.3	(0.01~0.3)													Precipitation 17/108	11/53	0.022~3.6µg/L		(0.02~0.3)	
			1979													42/45	15/16	40~790	(1~30)						
			1980													122/131	24/24	22~760	(1~30)						
			1983													108/108	12/12	19~950	(2.5~30)						
			1988	9/51	4/17	0.0031~0.004	(0.001~0.25)	6/51	4/17	0.0001~0.0004	(0.00002~0.004)					W.S. 15/15 C.S. 15/15	W.S. 7/7 C.S. 7/7	W.S. 33~1,800 C.S. 110~1,500	(W.S. 0.5~300) (C.S. 0.5~300)						
			1989													33/35	12/12	29~2,500	(1~250)						
			1990													137/137	20/20	28~2,900	(25)	Outdoor air 24/24 Indoor air 70/72 Food 0/72	Outdoor air 8/8 Indoor air 8/8 Food 0/8	Outdoor air 49~1,400 Indoor air 55~1,200 Food = ng/g-wet		(Outdoor air 20) (Indoor air 20) (Food 0.2)	
			1991													144/144	21/21	30~2,000	(25)	Outdoor air 27/27 Indoor air 80/81 Food 10/81	Outdoor air 9/9 Indoor air 9/9 Food 3/9	Outdoor air 110~2,000 Indoor air 70~3,100 Food 0.3~1.3ng/g-wet		(Outdoor air 10) (Indoor air 10) (Food 0.2)	
			1992													158/158	23/23	55~1,900	(25)	Outdoor air 27/27 Indoor air 81/81 Food 11/81	Outdoor air 9/9 Indoor air 9/9 Food 3/9	Outdoor air 55~1,400 Indoor air 41~2,200 Food 0.2~6.4ng/g-wet		(Outdoor air 25) (Indoor air 25) (Food 0.2)	
			1993													115/115	28/28	140~1,700	(1)	Outdoor air 27/27 Indoor air 81/81 Food 5/81	Outdoor air 9/9 Indoor air 9/9 Food 3/9	Outdoor air 270~1,200 Indoor air 110~5,700 Food 0.4~4.2ng/g-wet		(Outdoor air 4) (Indoor air 4) (Food 0.2)	
			1994													111/111	28/28	42~1,400	(1)	Outdoor air 24/24 Indoor air 77/77 Food 1/81	Outdoor air 8/8 Indoor air 9/9 Food 1/9	Outdoor air 42~1,200 Indoor air 62~1,400 Food 0.2ng/g-wet		(Outdoor air 20) (Indoor air 20) (Food 0.2)	
			1995													111/111	29/29	37~1,480	(2)	Outdoor air 25/27 Indoor air 79/81 Food 5/81	Outdoor air 9/9 Indoor air 9/9 Food 1/9	Outdoor air 60~1,100 Indoor air 160~12,000 Food 0.2~1.0ng/g-wet		(Outdoor air 7) (Indoor air 100) (Food 0.2)	
			1996													120/126	31/32	15~2,520	(10)	Outdoor air 30/36 Indoor air 62/81 Food 2/81	Outdoor air 8/9 Indoor air 7/9 Food 2/9	Outdoor air 15~1,100 Indoor air 104~980 Food 0.2~0.3ng/g-wet		(Outdoor air 10) (Indoor air 100) (Food 0.2)	
			1997													128/128	34/34	12~2,400	(10)	Outdoor air 35/35 Indoor air 79/79 Food 5/81	Outdoor air 9/9 Indoor air 9/9 Food 1/9	Outdoor air 230~1,540 Indoor air 53~5,010 Food 0.23~0.58ng/g-wet		(Outdoor air 10) (Indoor air 5) (Food 0.2)	
			1998													130/130	33/33	240~2,100	(10)	Outdoor air 36/36 Indoor air 81/81 Food 1/81	Outdoor air 9/9 Indoor air 9/9 Food 1/9	Outdoor air 340~1,100 Indoor air 190~5,600 Food 0.7ng/g-wet		(Outdoor air 10) (Indoor air 10) (Food 0.2)	
1999													119/119	30/30	250~1,700	(10)	Outdoor air 32/32 Indoor air 72/72 Food 0/72	Outdoor air 8/8 Indoor air 8/8 Food 0/8	Outdoor air 410~790 Indoor air 260~990 Food = ng/g-wet	(Outdoor air 10) (Indoor air 10) (Food 0.2)					
2000													117/117	30/30	130~1,200	(10)	Outdoor air 30/30 Indoor air 72/72	Outdoor air 8/8 Indoor air 8/8	Outdoor air 130~830 Indoor air 150~1,100 ng/m <sup>3</sup>	(Outdoor air 1.2) (Indoor air 1)					
2001													115/115	30/30	130~2,300	(10)	Outdoor air 26/26 Indoor air 57/57	Outdoor air 7/7 Indoor air 7/7	Outdoor air 130~860 Indoor air 190~1,700 ng/m <sup>3</sup>	(Outdoor air 10) (Indoor air 10)					
800	2,3,4,6-Tetrachlorophenol	58-90-2	1978	0/21	0/7	—	(0.04~0.3)	0/21	0/7	—	(0.003~0.03)											800			
			1996	0/33	0/11	—	(0.25)	0/33	0/11	—	(0.009)														
801	Tetraethoxysilan	78-10-4	1992											0/18	0/6	—	(2.5)					801			
	Tetraethylthiuram disulfide	See Disulfiram																							
802	1,1,1,2-Tetrafluoroethane (synonym: HCFC-134a)	811-97-2	2003											58/58	20/20	100~1,800	(7)					802			
803	2,3,5,6-Tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate (synonym: Tefluthrin)	79538-32-2	2006	0/27	0/9	—	(0.008)							0/18	0/6	—	(0.5)					803			
	2,2,3,3-Tetrafluoropropionic acid	See Sodium 2,2,3,3-tetrafluoropropionate																							
804	2,2,3,3-Tetrafluoropropionic acid and its salts	22898-01-7	1984	0/21	0/7	—	(0.1~2)	0/21	0/7	—	(0.001~0.02)											804			



Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)						Sediment (µg/g-dry)			Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range		Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				
			2003																						
			2006																						
			2008	0/48	0/48	—	(0.016)	3/185	1/63	0.0050~0.017	(0.0017)	Bivalves 0/31 Fish 0/85 Birds 0/10	Bivalves 0/7 Fish 0/17 Birds 0/2	Bivalves — Fish 0.0025~0.0047 Birds —	(Bivalves 0.0022) (Fish 0.0022) (Birds 0.0022)	W.S. 3/111 C.S. 0/111	W.S. 1/37 C.S. 0/37	W.S. 1.5~13 C.S. —	(W.S. 0.28) (C.S. 0.28)						
837	Tributyl phosphate Tri- <i>n</i> -butyl phosphate	See Tri- <i>n</i> -butyl phosphate 126-73-8	1975	21/100	6/20	0.02~0.71	(0.01~0.10)	34/100	10/20	0.001~0.350	(0.001~0.025)	Fish 31/94	Fish 10/19	Fish 0.003~0.026	(Fish 0.002~0.0025)									836	
			1977	39/117	18/39	0.006~0.58	(0.006~0.5)	48/117	19/39	0.0019~0.24	(0.001~0.17)	Fish 27/85	Fish 13/29	Fish 0.0011~0.011	(Fish 0.001~0.12)										
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves — Fish —	(Bivalves 0.01) (Fish 0.01)										
			1981									Bivalves 5/20 Fish 5/46 Birds 7/7	Bivalves 1/4 Fish 1/9 Birds 1/1	Bivalves 0.01~0.02 Fish 0.02 Birds 0.01~0.12	(Bivalves 0.01) (Fish 0.01~0.05) (Birds 0.01)										
			1982									Bivalves 0/20 Fish 2/50 Birds 3/9	Bivalves 0/4 Fish 1/10 Birds 1/2	Bivalves — Fish 0.01~0.02 Birds 0.02~0.03	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1983									Bivalves 0/20 Fish 0/50 Birds 5/10	Bivalves 0/4 Fish 0/10 Birds 1/2	Bivalves — Fish — Birds 0.03~0.25	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1985									Bivalves 0/20 Fish 5/60 Birds 0/10	Bivalves 0/4 Fish 1/12 Birds 0/2	Bivalves — Fish 0.01~0.02 Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1987									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)										
			1988		5/22	0.053~0.56			8/22	0.00050~0.018															
			1989		2/15	0.016~0.18			6/15	0.0027~0.0083															
			1990		3/17	0.078~0.13			9/17	0.00032~0.0343															
			1991		3/17	0.065~0.22			8/17	0.0018~0.014															
			1992		4/17	0.013~0.033			7/15	0.0019~0.0099															
			1993	66/148	26/51	0.011~0.26	(0.011)	51/159	22/53	0.002~0.13	(0.002)	Fish 4/150	Fish 2/49	Fish 0.006~0.017	(Fish 0.005)	9/39	6/14	1.2~45	(1)						
			1994		4/17	0.025~0.45			10/17	0.00079~0.049															
			1995		4/18	0.017~0.072			11/18	0.00052~0.060															
			1996		1/18	0.0625			9/18	0.00066~0.01417															
			1997		3/18	0.026~0.152			8/18	0.00008~0.00784															
			1998																						
			1999		2/18	0.069~0.23			10/18	0.0023~0.038															
			2000						10/18	0.0035~0.053															
			2001						9/17	0.00061~0.013															
			2006	28/57	10/19	0.010~0.084	(0.010)		12/20	0.0021~0.052															
			2008	29/43	29/43	0.0080~0.094	(0.0079)	94/173	41/60	0.00073~0.019	(0.00073)	Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.0004) (Fish 0.0004) (Birds 0.0004)										
												Bivalves 21/31 Fish 8/76 Birds 4/10	Bivalves 6/7 Fish 3/16 Birds 1/2	Bivalves 0.00041~0.0012 Fish 0.00041~0.00070 Birds 0.00041~0.00063	(Bivalves 0.00040) (Fish 0.00040) (Birds 0.00040)										
	Tributyltin compounds	See Organotin compounds (Tributyltin compounds)																							
	Trichlorfon	See Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate																							
838	Trichloroacetaldehyde	75-87-6	2006	0/21	0/7	—	(0.01)																	837	
839	Trichloroacetic acid	76-03-9	1984	0/21	0/7	—	(5)	0/21	0/7	—	(0.02~0.05)													838	
840	2,4,5-Trichloroaniline	636-30-6	1981	0/15	0/5	—	(0.001~0.005)	0/15	0/5	—	(0.0002~0.001)													839	
841	2,4,6-Trichloroaniline	634-93-5	1981	0/15	0/5	—	(0.001~0.006)	0/15	0/5	—	(0.0002~0.001)													840	
842	1,2,3-Trichlorobenzene	87-61-6	1975	0/95	0/19	—	(0.08~0.3)	0/95	0/19	—	(0.002~0.1)	Fish 0/75	Fish 0/15	Fish —	(Fish 0.005~0.1)						Precipitation 0/24	0/12	—µg/L	(0.08~0.3)	841
			1979	2/111	1/37	0.05~0.07	(0.01~0.4)	19/111	10/37	0.0004~0.053	(0.0001~0.1)	Fish 0/93	Fish 0/27	Fish —	(Fish 0.0001~0.1)										
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves — Fish —	(Bivalves 0.001) (Fish 0.001)										
			1981									Bivalves 0/20 Fish 5/46 Birds 1/7	Bivalves 0/4 Fish 1/9 Birds 1/1	Bivalves — Fish 0.002~0.004 Birds 0.001	(Bivalves 0.001~0.01) (Fish 0.001~0.002) (Birds 0.001)										
			1982									Bivalves 0/20 Fish 3/50 Birds 0/9	Bivalves 0/4 Fish 1/10 Birds 0/2	Bivalves — Fish 0.003~0.006 Birds —	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)										
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Sample	Site			
				Sample	Site			Sample	Site			Sample	Site			Sample	Site							
			1984								Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1985								Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1986								Bivalves 0/20 Fish 0/60 Birds 1/10	Bivalves 0/4 Fish 0/12 Birds 1/2	Bivalves -- Fish -- Birds 0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	22/73	6/12	1.1~12	(1.0)						
			1988								Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1990								Bivalves 5/25 Fish 0/65 Birds 0/10	Bivalves 1/5 Fish 0/13 Birds 0/2	Bivalves 0.004~0.007 Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1992								Bivalves 5/30 Fish 1/70 Birds 0/10	Bivalves 1/6 Fish 1/14 Birds 0/2	Bivalves 0.001~0.003 Fish 0.002 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1994								Bivalves 5/30 Fish 0/70 Birds 0/5	Bivalves 1/6 Fish 0/14 Birds 0/1	Bivalves 0.002~0.003 Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1996								Bivalves 5/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.001 Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)										
			1999								Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	38/38	13/13	0.018~11	(0.015)						
			2007												W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.019~1.7 C.S. 0.026~1.7	(W.S. 0.011) (C.S. 0.011)						
843	1,2,4-Trichlorobenzene	120-82-1	1975	0/95	0/19	--	(0.03~0.4)	4/95	2/19	0.002~0.022	(0.002~0.1)	Fish 2/75	Fish 1/15	Fish 0.1~0.2	(Fish 0.0005~0.1)					Precipitation 0/24	0/12	--µg/L	(0.03~0.4)	842
			1979	8/111	3/37	0.01~0.13	(0.01~0.4)	33/111	15/37	0.0002~0.030	(0.0001~0.1)	Fish 7/93	Fish 3/27	Fish 0.0003~0.003	(Fish 0.0001~0.1)									
			1980									Bivalves 0/15 Fish 2/50	Bivalves 0/3 Fish 2/10	Bivalves -- Fish 0.001~0.002	(Bivalves 0.001) (Fish 0.001)									
			1981									Bivalves 0/20 Fish 14/46 Birds 6/7	Bivalves 0/4 Fish 4/9 Birds 1/1	Bivalves -- Fish 0.001~0.010 Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001~0.003) (Birds 0.001)									
			1982									Bivalves 0/20 Fish 5/50 Birds 0/9	Bivalves 0/4 Fish 2/10 Birds 0/2	Bivalves -- Fish 0.001~0.012 Birds --	(Bivalves 0.001) (Fish 0.001~0.003) (Birds 0.001)									
			1983									Bivalves 3/20 Fish 5/50 Birds 6/10	Bivalves 1/4 Fish 1/10 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 5/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.001~0.006 Birds 0.002~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 5/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves -- Fish 0.002~0.004 Birds 0.003~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 0/20 Fish 8/60 Birds 6/10	Bivalves 0/4 Fish 3/12 Birds 2/2	Bivalves -- Fish 0.001 Birds 0.002~0.013	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	63/73	12/12	1.2~78	(1.0)					
			1988									Bivalves 0/20 Fish 0/65 Birds 1/10	Bivalves 0/4 Fish 0/13 Birds 1/2	Bivalves -- Fish -- Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 5/25 Fish 10/65 Birds 0/10	Bivalves 1/5 Fish 2/13 Birds 0/2	Bivalves 0.005~0.009 Fish 0.001~0.003 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 5/30 Fish 6/70 Birds 0/10	Bivalves 1/6 Fish 2/14 Birds 0/2	Bivalves 0.004~0.008 Fish 0.001~0.004 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 5/30 Fish 0/70 Birds 0/5	Bivalves 1/6 Fish 0/14 Birds 0/1	Bivalves 0.004~0.006 Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 5/30 Fish 5/70 Birds 0/10	Bivalves 1/6 Fish 2/14 Birds 0/2	Bivalves 0.003~0.004 Fish 0.001~0.002 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999									Bivalves 0/30 Fish 5/70 Birds 0/10	Bivalves 0/6 Fish 1/14 Birds 0/2	Bivalves -- Fish 0.001~0.003 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	39/39	13/13	0.12~40	(0.009)					
			2007													W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.20~15 C.S. 0.18~14	(W.S. 0.010) (C.S. 0.010)					
844	1,3,5-Trichlorobenzene	108-70-3	1975	0/95	0/19	--	(0.02~0.2)	0/95	0/19	--	(0.001~0.1)	Fish 0/75	Fish 0/15	Fish --	(Fish 0.003~0.1)					Precipitation 0/24	0/12	--µg/L	(0.02~0.2)	843
			1979	1/111	1/37	0.02	(0.01~0.4)	18/111	10/37	0.0006~0.0247	(0.0001~0.1)	Fish 1/93	Fish 1/27	Fish 0.012	(Fish 0.0001~0.1)									
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves -- Fish --	(Bivalves 0.001) (Fish 0.001)									
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)									
			1982									Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001~0.002) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site			
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	7/73	3/12	1.0~8.6	(1.0)					
			1988									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 0/25 Fish 4/65 Birds 0/10	Bivalves 0/5 Fish 1/13 Birds 0/2	Bivalves -- Fish 0.001~0.003 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 0/30 Fish 1/70 Birds 0/5	Bivalves 0/6 Fish 1/14 Birds 0/1	Bivalves -- Fish 0.002 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999									Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves -- Fish -- Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	38/39	13/13	0.036~1.4	(0.011)					
			2007													W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.011~ 1.3 C.S. 0.010~ 0.23	(W.S. 0.0063) (C.S. 0.0063)					
845	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (synonym: p,p'-DDT)	50-29-3	1974	0/55	0/11	--	(0.002~0.1)	20/50	4/10	0.0008~0.0073	(0.01)	Fish 7/49	Fish 2/10	Fish 0.0009~0.0013	(Fish 0.0005~ 0.005)									844
			1978									Bivalves 10/10 Fish 25/30 Birds 6/7	Bivalves 2/2 Fish 5/6 Birds 1/1	Bivalves 0.002~0.003 Fish 0.003~0.057 Birds 0.002~0.007	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									Bivalves 15/15 Fish 34/40 Birds 0/6	Bivalves 3/3 Fish 7/8 Birds 0/1	Bivalves 0.002~0.008 Fish 0.001~0.180 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 15/15 Fish 37/50 Birds 8/8	Bivalves 3/3 Fish 8/10 Birds 1/1	Bivalves 0.001~0.005 Fish 0.001~0.074 Birds 0.002~0.013	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 9/20 Fish 26/46 Birds 1/7	Bivalves 2/4 Fish 6/9 Birds 1/1	Bivalves 0.001~0.004 Fish 0.001~0.075 Birds 0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 20/20 Fish 40/50 Birds 4/9	Bivalves 4/4 Fish 8/10 Birds 1/2	Bivalves 0.001~0.010 Fish 0.001~0.16 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001~0.003) (Birds 0.001)									
			1983									Bivalves 20/20 Fish 35/50 Birds 6/10	Bivalves 4/4 Fish 8/10 Birds 2/2	Bivalves 0.001~0.007 Fish 0.001~0.068 Birds 0.001~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 19/20 Fish 45/60 Birds 2/10	Bivalves 4/4 Fish 9/12 Birds 1/2	Bivalves 0.001~0.004 Fish 0.001~0.081 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 10/20 Fish 40/60 Birds 7/10	Bivalves 2/4 Fish 9/12 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.041 Birds 0.001~0.043	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	--			6/18	0.0007~0.0135		Bivalves 15/20 Fish 39/60 Birds 6/10	Bivalves 3/4 Fish 8/12 Birds 2/2	Bivalves 0.001~0.003 Fish 0.001~0.072 Birds 0.001~0.004	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		0/20	--			7/20	0.00020~0.012		Bivalves 10/20 Fish 38/65 Birds 5/10	Bivalves 2/4 Fish 10/13 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.051 Birds 0.001~0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988		0/22	--			2/22	0.00032~0.0014		Bivalves 16/20 Fish 30/65 Birds 5/10	Bivalves 4/4 Fish 7/13 Birds 1/2	Bivalves 0.001~0.002 Fish 0.001~0.068 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989		0/17	--			3/17	0.00085~0.011		Bivalves 14/21 Fish 32/65 Birds 0/10	Bivalves 3/5 Fish 8/13 Birds 0/2	Bivalves 0.001 Fish 0.001~0.076 Birds --	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990		0/18	--			5/18	0.00044~0.0147		Bivalves 7/25 Fish 24/65 Birds 2/10	Bivalves 2/5 Fish 7/13 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.037 Birds 0.001~0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991		0/18	--			5/18	0.00021~0.013		Bivalves 11/30 Fish 25/65 Birds 6/10	Bivalves 3/6 Fish 7/13 Birds 2/2	Bivalves 0.001~0.002 Fish 0.001~0.088 Birds 0.001~0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992		0/18	--			7/18	0.00030~0.010		Bivalves 0/30 Fish 24/70 Birds 1/10	Bivalves 0/6 Fish 6/14 Birds 1/2	Bivalves -- Fish 0.001~0.043 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993		0/19	--			10/19	0.00007~0.0078		Bivalves 0/30 Fish 27/70 Birds 5/10	Bivalves 0/6 Fish 7/14 Birds 1/2	Bivalves -- Fish 0.001~0.095 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994		0/17	--			6/16	0.000082~0.020		Bivalves 0/30 Fish 17/70 Birds 5/5	Bivalves 0/6 Fish 5/14 Birds 1/1	Bivalves -- Fish 0.001~0.050 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number					
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit			
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site						
			1995		0/18	—			3/17	0.00023~0.013																	
			1996		0/18	—			2/17	0.000154~0.0050																	
			1997		0/18	—			1/18	0.00757																	
			1998		0/18	—			3/18	0.00028~0.0057																	
			1999						2/18	0.0018																	
			2000						4/17	0.00020~0.0059																	
			2001						3/20	0.00017~0.0032																	
			2002	114/114	38/38	0.0000025~0.00044	(0.000002)	189/189	63/63	0.000005~0.097	(0.000002)								102/102	34/34	0.00025~0.022	(0.00008)					
			2003	36/36	36/36	0.0000028~0.00074	(0.000009)	186/186	62/62	0.000003~0.055	(0.000004)								W.S. 35/35	W.S. 35/35	W.S. 0.00075~0.024	(W.S. 0.000046)					
			2004	36/38	36/38	0.000002~0.00031	(0.000002)	189/189	63/63	0.000007~0.098	(0.000005)								W.S. 37/37	W.S. 37/37	W.S. 0.00041~0.037	(W.S. 0.000074)					
			2005	47/47	47/47	0.000001~0.00011	(0.000001)	189/189	63/63	0.0000051~1.7	(0.0000034)								W.S. 37/37	W.S. 37/37	W.S. 0.00044~0.031	(W.S. 0.000054)					
			2006	48/48	48/48	0.0000016~0.00017	(0.000006)	192/192	64/64	0.0000045~0.13	(0.000005)								W.S. 37/37	W.S. 37/37	W.S. 0.00035~0.051	(W.S. 0.00006)					
			2007	46/48	46/48	0.000006~0.00067	(0.000006)	192/192	64/64	0.000003~0.13	(0.000005)								W.S. 36/36	W.S. 36/36	W.S. 0.00060~0.030	(W.S. 0.00003)					
			2008	47/48	47/48	0.0000013~0.0012	(0.000005)	192/192	64/64	0.0000048~1.4	(0.000005)								W.S. 37/37	W.S. 37/37	W.S. 0.00076~0.027	(W.S. 0.00003)					
			2009	49/49	49/49	0.0000081~0.00044	(0.000006)	192/192	64/64	0.0000019~2.1	(0.000004)								W.S. 37/37	W.S. 37/37	W.S. 0.00044~0.028	(W.S. 0.00003)					
			2010	49/49	49/49	0.000001~0.0075	(0.000008)	64/64	64/64	0.0000093~0.22	(0.000009)								W.S. 37/37	W.S. 37/37	W.S. 0.00028~0.056	(W.S. 0.00003)					
846	2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol (synonym: Kelthane or Dicofof)	115-32-2	1978	0/24	0/8	—	(0.02~0.2)	0/24	0/8	—	(0.003~0.011)																
			2004					4/15	2/5	0.0017~0.0064	(0.0012)																
			2006																								
			2008	13/48	13/48	0.000013~0.000076	(0.000010)	30/186	13/63	0.000069~0.00046	(0.000063)																
	1,1,1-Trichloro-2,2-bis(4-methoxyphenyl)ethane	See Methoxychlor																									
847	1,1,1-Trichloroethane	71-55-6	1974	0/60	0/12	—	(0.1~2)																Precipitation 0/18	0/7	— ppm	(0.0001~0.002)	846
			1975	43/395	11/79	0.06~5.4	(0.05~2.1)																Precipitation 0/114	0/56	— µg/L	(0.05~0.4)	
			1979																26/48	10/17	20~710	(2~180)					
			1980																78/135	16/25	10~3,200	(2~200)					
			1983																95/108	12/12	10~3,400	(1~30)					
			2001																48/48	16/16	170~420	(12)					
848	1,1,2-Trichloroethane	79-00-5	1976	0/60	0/13	—	(4~50)	0/40	0/11	—	(0.3~1.0)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.4)				4/48	3/16	20~27	(20)				847	
			2001																								
	2,2,2-Trichloro-1,1-ethanediol	See 2,2,2-Trichloroethane-1,1-diol																									
849	2,2,2-Trichloroethane-1,1-diol	302-17-0	1986	0/27	0/9	—	(1)	0/21	0/7	—	(0.006)															848	

Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others				Number		
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit			
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample	Site
850	Trichloroethene	79-01-6	1974	1/60	1/12	5	(0.1~5)												Precipitation 0/18	0/7	— ppm	(0.0002~0.005)	849			
			1975	75/395	15/79	0.29~12	(0.2~1)													Precipitation 2/114	2/56	0.2~1 µg/L		(0.1~1)		
			1979																							
			1980																							
			1983																							
			1988	6/51	2/17	0.097~0.11	(0.05~2)	1/51	1/17	0.011	(0.0005~0.05)															
			1989																							
			1990																							
			1991																							
			1992																							
			1993																							
			1994																							
			1995																							
			851	Trichlorofluoromethane	75-69-4	1976																				
						1977																				
852	1,1,1-Trichloro-2-methyl-2-propanol	57-15-8	1980	0/33	0/11	—	(0.02~20)	0/33	0/11	—	(0.00049~0.1)															
			1988	0/72	0/24	—	(0.5)	0/72	0/24	—	(0.06)															
853	1,3,5-Trichloro-2-nitrobenzene	18708-70-8	1984	0/24	0/8	—	(0.002~0.03)	0/24	0/8	—	(0.00019~0.003)															
	2,4,6-Trichloro-2-nitrobenzene	See 1,3,5-Trichloro-2-nitrobenzene																								
854	Trichloronitromethane (synonym: Chloropicrin)	76-06-2	1979	0/24	0/8	—	(0.005~0.1)	0/24	0/8	—	(0.00025~0.005)															
			1994	0/45	0/15	—	(0.2)																			
			2003																							
			2005	0/9	0/1	—	(0.030)																			
			2006																							
855	2,4,5-Trichlorophenol	95-95-4	1978	0/21	0/7	—	(0.02~0.08)	0/21	0/7	—	(0.001~0.008)															
			1996	0/33	0/11	—	(0.2)	0/30	0/10	—	(0.0063)															
			2008	0/108	0/36	—	(0.007)																			
856	2,4,6-Trichlorophenol	88-06-2	1978	0/21	0/7	—	(0.008~0.001)	1/21	1/7	0.0008	(0.0006~0.001)															
			1996	0/33	0/11	—	(0.15)	1/30	1/11	0.012	(0.009)															
857	2,4,5-Trichlorophenoxyacetic acid	93-76-5	1983	0/45	0/15	—	(0.01~3)	0/45	0/15	—	(0.0002~0.13)															
			2005	0/126	0/42	—	(0.00038)																			
	2,4,6-Trichlorophenyl-4'-aminophenyl ether	See Chloronitrofen-amino																								





Number	Name	CAS registry number	Year (FY)	Surface water (µg/L)				Sediment (µg/g-dry)				Wildlife (Bivalves, Fish, Birds, Plankton) (µg/g-wet)				Air (ng/m <sup>3</sup> )				Others		Number			
				Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency		Detection range	Detection limit	Detection Frequency			Detection range	Detection limit	
				Sample	Site			Sample	Site			Sample	Site			Sample	Site			Sample	Site				Sample
893	2,4,6-Tris(1-phenylethyl)phenol	18254-13-2	1981	0/27	0/9	—	(0.04~0.06)	12/27	4/9	0.019~0.42	(0.006~0.03)											892			
894	Tritolyl phosphate (synonym: TCP)	1330-78-5	1975	0/100	0/20	—	(0.05~1.5)	1/100	1/20	0.15	(0.01~0.25)	Fish 0/94	Fish 0/19	Fish —	(Fish 0.02~0.25)								893		
			1978	0/108	0/36	—	(0.005~2.5)	2/108	1/36	1.06~2.16	(0.00025~0.3)	Fish 0/93	Fish 0/29	Fish —	(Fish 0.00025~0.15)										
			1993	0/72	0/24	—	(0.05)	50/72	19/24	0.003~0.24	(0.003)	Fish 2/75	Fish 1/25	Fish 0.063~0.082	(Fish 0.022)	7/42	4/14	3~17	(3)						
			1998													(Fish 0.022)	8/46	5/16	1.2~2.6	(1)					
	Trixylyl phosphate	See Tris(dimethylphenyl) phosphate																							
	Tsumacide	See <i>m</i> -Tolyl methylcarbamate																							
	TTBP	See 2,4,6-Tri- <i>tert</i> -butylphenol																							
	Vamidithion	See <i>O,O</i> -Dimethyl <i>S</i> -[2-[1-( <i>N</i> -methylcarbamoyl)ethylthio]ethyl] thiophosphate																							
895	Vanadium and its compounds (as Vanadium)	7440-62-2 etc.	1974	1/60	1/12	0.02	(0.01~0.1)	60/60	12/12	6.0~275		Bivalves 0/20	Bivalves 0/4	Bivalves —	(Bivalves 0.1)								895		
896	Vinyl acetate	108-05-4	2007	15/15	5/5	0.63~4.6	(0.0024)																		
			1995	0/33	0/11	—	(5)																		
			2000																						
897	Vinyl bromide	593-60-2	1981	0/15	0/5	—	(1)	0/15	0/5	—	(0.005~0.006)												897		
	Vinyl chloride	See Chloroethylene																							
	Vinylidene chloride	See 1,1-Dichloroethene																							
898	2-Vinylpyridine	100-69-6	1991																						
			2004																						
	XMC	See 3,5-Dimethylphenyl <i>N</i> -methylcarbamate																							
899	Xylenes (Total of <i>m</i> -Xylene and <i>p</i> -Xylene)	108-38-3	1998																					899	
899-1	<i>o</i> -Xylene	95-47-6	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)														
			1985	1/21	1/7	0.021	(0.02)	1/21	1/7	0.0011	(0.0006)														
			1986	12/137	6/46	0.04~1.2	(0.03)	24/111	12/37	0.0005~0.0070	(0.0005)	Fish 41/137	Fish 16/42	Fish 0.0008~0.005	(Fish 0.0008)										
			1998																						
899-2	<i>m</i> -Xylene	108-38-3	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													899-2	
899-3	<i>p</i> -Xylene	106-42-3	1985	1/21	1/7	0.042	(0.02)	1/21	1/7	0.002	(0.001)														
			1986	15/126	8/43	0.04~1.2	(0.03)	33/118	16/40	0.0005~0.015	(0.0005)	Fish 45/124	Fish 18/38	Fish 0.00086~0.0092	(Fish 0.0008)										
			1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)														
900	2,4-Xylenol	105-67-9	1985	1/21	1/7	0.037	(0.02)	0/21	0/7	—	(0.002)														
			1986	4/122	4/42	0.06~0.48	(0.03)	12/105	7/35	0.0005~0.0038	(0.0005)	Fish 28/127	Fish 14/39	Fish 0.0008~0.003	(Fish 0.0008)										
			1982	0/33	0/11	—	(0.04~0.5)	0/33	0/11	—	(0.0002~0.02)														
			2010																						
901	2,6-Xylenol	576-26-1	2006	6/18	2/6	0.0009~0.0034	(0.0005)																	901	
902	3,5-Xylenol	108-68-9	1982	0/33	0/11	—	(0.04~0.5)	6/33	3/11	0.0005~0.0022	(0.0002~0.02)													902	
	2,3-Xylydine	See 2,3-Dimethylaniline																							
903	2,4-Xylydine	95-68-1	1977	0/6	0/2	—	(1~5)	0/6	0/2	—	(0.25~1)													903	
904	2,5-Xylydine	95-78-3	1976	0/68	0/20	—	(0.2~0.5)	2/68	1/20	0.006~0.027	(0.001~0.004)													904	
	3,4-Xylydine	See 3,4-Dimethylaniline																							
	3,5-Xylydine	See 3,5-Dimethylaniline																							
	3,5-Xylyl methylcarbamate	See 3,5-Dimethylphenyl <i>N</i> -methylcarbamate																							
905	Zinc and its compounds (as Zinc)	7440-66-6 etc.	1978									Bivalves 10/10	Bivalves 2/2	Bivalves 20.4~30.4											
			1979																						
			1980																						
906	Zinc pyrrithione	13463-41-7	2004	0/15	0/5	—	(0.02)																	906	
	Zineb	See <i>N,N'</i> -Ethylenbis(dithiocarbamic acid) and its salts																							

(Note1) "W.S." and "C.S." at results of Air means "Warm season" and "Cold season" each.

(Note2) "\*" indicates the sum value of the Detection limits of each congener or included substances.

(Note3) \*\*: About Hydrogenated terphenyls, there were the seven peaks in the chromatogram of the standard material (industrial products). HT242a - HT242d were substances measured using one of the four peaks where molecular weight was 242 each, and HT236a - HT236c were substances measured using one of the other three of the peaks where molecular weight was 246 each.

(Note4) \*\*\*: About Diethylbiphenyls, there were the four peaks in the chromatogram of the standard material (industrial products). DDa - DDd were substances measured using one of the four peaks each.

(Note4) \*\*\*\*: About Dibenzyltoluenes, there were the seven peaks in the chromatogram of the standard material (industrial products). DTa - DTg were substances measured using one of the seven peaks each.

(Note6) \*\*\*\*\*: It was found that there were some problems in collection of HCHs because of some parts of the air sampler that was used between FY2003 and FY2008 were contaminated by HCHs and affected monitored concentration. Therefore all samples in the air were recognized as undetectable in calculation of data for that period.

(Note7) \*\*\*\*\*: The survey of the Perfluorooctane sulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) in FY2009 only monitored linear octyl Perfluorooctane sulfonic acid (PFOS) and linear octyl Perfluorooctanoic acid (PFOA).