Table 4-3 Summary of the results in the Environmental Survey and Monitoring of Chemicals (FY 1974 – FY 2011)

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^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			
	ABS	See Alkylbenzene sulfonetes (Branched alkylbenzene sulfonetes																						
1	Acenaphthene	83-32-9	1983	0/33		—	(0.09～0.4)	13/33		0.008～0.13	(0.008～0.041)													1
			1984	3/138	1/46	0.05～0.1	(0.001～1)	58/138	24/46	0.00004～0.088	(0.00004～0.088)	Fish 15/138	Fish 7/42	Fish 0.001～0.50	(Fish 0.0001～0.05)									
			1999	1/39	1/13	0.012	(0.011)	35/39	12/13	0.00062～0.24	(0.00045)	Fish 11/39	Fish 6/13	Fish 0.00081～0.0047	(Fish 0.00077)									
2	Acenaphthylene	208-96-8	1983	0/33	0/11	—	(0.06～0.4)	13/33	6/11	0.008～0.053	(0.008～0.041)													2
			1984	4/138	2/46	0.08～1.3	(0.002～1)	63/138	25/46	0.0007～0.671	(0.00006～0.088)	Fish 14/138	Fish 6/42	Fish 0.0008～0.024	(Fish 0.0002～0.05)									
3	Acephate	30560-19-1	1993	0/30	0/10	—	(0.2)	0/30	0/10	—	(0.02)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.01)									3
4	Acetaldehyde	75-07-0	1977	0/6	0/2	—	(10)	3/6	1/2	2～4	(2.5)													4
			1987	0/75	0/25	—	(1)									43/57	11/12	930～22,000	(800)					
			1995	0/33	0/11	—	(1)									46/47	16/16	1,800～45,000	(500)					
5	Acetone	67-64-1	1995													49/49	17/17	150～31,000	(2)					5
6	Acetonitrile	75-05-8	1977	0/9	0/3	—	(120～200)	0/9	0/3	—	(2～24)													6
			1987	0/72	0/24	—	(3)	11/60	5/20	0.021～0.54	(0.021)					44/70	10/12	210～42,000	(200)					
			1991													33/51	15/17	200～3,700	(200)					
			1992	15/147	9/49	1.1～7.4	(1)	25/155	13/52	0.03～1.9	(0.03)													
			2001													17/17	7/7	93～1,200	(76)					
7	Acrolein	107-02-8	1978	0/21	0/7	—	(7～10)	0/15	0/5	—	(0.02～0.1)													7
			1987	0/75	0/25	—	(1.9)									0/61	0/10	—	(800)					
			2005																	Food 146/150 Indoor air (House) 77/78 Indoor air (Car) 12/12		0.26～200ng/g-wet 71～6,000ng/m^3 170～1,000ng/m^3	(Food 0.090) (Indoor air 0.73)	
			2008													63/63	21/21	20～500	(0.50)					
	Acrylaldehyde	See Acrolein																						
8	Acrylamide	79-06-1	1975	0/95	0/19	—	(1,000)																	8
			1991	11/153	5/51	0.05～0.1	(0.05)	20/150	7/50	0.00052 ～0.003	(0.0005)	Fish 0/147	Fish 0/49	Fish —	(Fish 0.0013)									
			1998	0/33	0/11	—	(0.15)	0/30	0/10	—	(0.009)													
			2007	13/48	13/48	0.0032～0.049	(0.0023)	87/175	40/64	0.000085～0.0019	(0.000079)	Bivalves 31/31 Fish 75/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00005～0.0014 Fish 0.000024～0.0019 Birds 0.00024～0.00068	(Bivalves 0.000022) (Fish 0.000022) (Birds 0.000022)									
			2011													0/27	0/9	—	(6.9)					
9	Acrylic acid	79-10-7	2007	8/30	3/10	0.10～2.9	(0.010)									10/12	4/4	180	(4.2～110)					9
10	Acrylonitrile	107-13-1	1977	0/9	0/3	—	(20～50)	0/9	0/3	—	(0.4～0.5)													10
			1987	0/75	0/25	—	(2)	4/66	2/22	0.014～0.114	(0.007)					16/65	7/12	42～2,400	(40)					
			1991													15/40	7/14	46～390	(40)					
			1992	0/162	0/54	—	(2.2)	8/151	7/51	0.007～0.016	(0.007)	Fish 0/144	Fish 0/48	Fish —	(Fish 0.01)									
11	Adipic acid	124-04-9	1985	0/27	0/9	—	(2)	6/27	2/9	0.07～0.41	(0.03)													11
			2006	0/18	0/6	—	(3.8)	9/15	5/5	0.008～0.19	(0.006)													
			2007													0/15	0/5	—	(90)					
12	Adiponitrile	111-69-3	1978	0/21	0/7	—	(10)	0/21	0/7	—	(0.1～0.3)													12
	Alachlor	See 2-Chloro-2',6'-diethyl-*N*-methoxymethylacetanilide																						
13	Aldicarb	116-06-3	2006	0/30	0/10	—	(0.003)	0/18	0/6	—	(0.00017)	Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.0000016)									13
	Aldrin	See 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene																						
14	Alkylbenzene sulfonetes																							14
14-1	Linear alkylbenzene sulfonetes (C_{10} - C_{14})		1977	9/51	3/23	280～2,900	(10)	21/51	11/23	1.0～260	(1)													14-1
			(2003)	12/27	5/9	0.2～67	(1.0*)																	
			(2005)					10/12	4/4	0.0020～1.1	(0.0095*)									Food 150/150		2.2～1,600ng/g-wet	(0.22*)	
14-1-1	Linear decylbenzene sulphonates	1322-98-1	2003	9/27	3/9	0.32～28	(0.2)																	14-1-1
			2005					3/12	2/4	0.0024～0.097	(0.0019)									Food 150/150		0.47～92ng/g-wet	(0.031)	
14-1-2	Linear undecylbenzene sulphonate	27636-75-5	2003	10/27	4/9	0.32～17	(0.2)																	14-1-2
			2005					7/12	4/4	0.0020～0.35	(0.0020)									Food 150/150		0.39～340ng/g-wet	(0.047)	
14-1-3	Linear dodecylbenzene sulphonate	25155-30-0	2003	11/27	4/9	0.2～16	(0.2)																	14-1-3
			2005					9/12	4/4	0.0020～0.40	(0.0018)									Food 150/150		0.41～620ng/g-wet	(0.066)	
14-1-4	Linear tridecylbenzene sulphonate	26248-24-8	2003	10/27	4/9	0.25～6.1	(0.2)																	14-1-4
			2005					10/12	4/4	0.0019～0.21	(0.0019)									Food 148/150		1.1～670ng/g-wet	(0.065)	
14-1-5	Linear tetradecylbenze nesulphonate	28348-61-0	2003	0/27	0/9	—	(0.2)																	14-1-5
			2005					0/12	0/4	—	(0.0019)									Food 137/150		0.017～11ng/g-wet	(0.014)	
14-2	Branched alkylbenzene sulfonetes	Unknown	1977	0/51	0/23	—	(10)	0/51	0/23	—	(1)													14-2
15	Alkylbenzyldimethyl ammonium chlorides (synonym: Benzalkonium chloride) (C_{12} C_{14} or C_{16}-alkyl)	8001-54-5 68391-01-5	1982	0/24	0/8	—	(3)	9/24	3/8	0.8～10.5	(0.1)													15
			1983	0/126	0/42	—	(1～3)	30/126	11/42	0.1～5.2	(0.1～0.6)	Fish 0/123	Fish 0/38	Fish —	(Fish 0.1～1)									
16	Allyl alcohol	107-18-6	1995													3/15	1/5	50～60	(50)					16
			2011													11/33	6/11	17～86	(16)					
17	Allylamine	107-11-9	1981	0/27	0/9	—	(0.7～4)	0/27	0/9	—	(0.007～0.01)													17
	Allyl chloride	See 3-Chloropropene																						
18	4-Allyl-1,2-dimethoxybenzene	93-15-2	2006	0/15	0/5	—	(0.002)																	18
19	3-Allyloxy-1,2-benzoisothiazole 1,1-dioxide (synonym: Probenazole)	27605-76-1	1992	0/75	0/25	—	(0.11)	0/75	0/25	—	(0.011)	Fish 0/72	Fish 0/24	Fish —	(Fish 0.023)									19
20	1-Allyloxy-2,3-epoxypropane	106-92-3	2004	0/21	0/7	—	(0.23)																	20
21	1-Amino-9,10-anthraquinone	82-45-1	1985	0/27	0/9	—	(0.2)	1/21	1/7	0.022	(0.02)													21
	1-Aminoanthraquinone	See 1-Amino-9,10-anthraquinone																						
22	2-Aminoanthraquinone	117-79-3	1985	0/27	0/9	—	(0.6)	0/18	0/6	—	(0.04)													22
23	3-Aminobenzenesulphonic acid	121-47-1	1981	0/6	0/2	—	(60)	0/6	0/2	—	(0.5)													23
	o-Aminobiphenyl	See Biphenyl-2-ylamine																						
24	4-Amino-6-*tert*-butyl-3-methylthio-1,2,4-triazin-5(4*H*)-one (synonym: Metribuzin) and that decomposed compounds																							24

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^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			
24-1	4-Amino-6-*tert*-butyl-3-(methylsulfanyl)-1,2,4-triazin-5(4*H*)-one (synonym: Metribuzin)	21087-64-9	2008	Summer 17/180 Autumn 0/99	Summer 7/20 Autumn 0/33	Summer 0.0015～0.0044 Autumn —	(Summer 0.0014) (Autumn 0.0013)	Summer 0/60 Autumn 0/78	Summer 0/20 Autumn 0/26	Summer — Autumn —	(Summer 0.000046) (Autumn 0.0000055)					0/60	0/20	—	(1.5)					24-1
24-2	4-Amino-6-*tert*-butyl-2*H*-1,2,4-triazine-3,5-dione (synonym: Metribuzin-diketo)	56507-37-0	2008	Summer 0/180 Autumn 0/3	Summer 0/20 Autumn 0/1	Summer — Autumn —	(Summer 0.0018) (Autumn 0.0065)	Summer 0/60 Autumn 0/78	Summer 0/20 Autumn 0/26	Summer — Autumn —	(Summer 0.00015) (Autumn 0.00022)													24-2
24-3	6-*tert*-Butyl-3-methylthio-1,2,4-triazin-5(4*H*)- one (synonym: Metribuzin-desamino)	35045-02-4	2008	Summer 30/180 Autumn 0/3	Summer 5/20 Autumn 0/1	Summer 0.00047～0.0014 Autumn —	(Summer 0.00046) (Autumn 0.00014)	Summer 0/60 Autumn 0/78	Summer 0/20 Autumn 0/26	Summer — Autumn —	(Summer 0.000018) (Autumn 0.000033)													24-3
24-4	6-*tert*-Butyl-1,2,4-triazine-3,5(2*H*,4*H*)-dione (synonym: Metribuzin-desamino-diketo)	52236-30-3	2008	Summer 4/180 Autumn 0/3	Summer 1/20 Autumn 0/1	Summer 0.0028～0.0032 Autumn —	(Summer 0.0028) (Autumn 0.0053)	Summer 0/60 Autumn 0/78	Summer 0/20 Autumn 0/26	Summer — Autumn —	(Summer 0.00011) (Autumn 0.00019)													24-4
	2-Amino-5-chloro-4-methylbenzene sulfonic acid	See 5-Amino-2-chlorotoluene-4-sulphonic acid																						
25	5-Amino-2-chlorotoluene-4-sulphonic acid	88-53-9	1980	0/24	0/8	—	(10～200)	0/24	0/8	—	(0.5～11)													25
26	2-Aminoethanol	141-43-5	1980	0/27	0/9	—	(3～270)	0/27	0/9	—	(0.006～1.4)													26
			1994	24/156	12/52	0.55～2.3	(0.5)	84/147	32/50	0.010～0.92	(0.01)					9/51	5/17	13～160	(12)					
27	*N*-(2-Aminoethyl)-1,2-ethanediamine (synonym: Diethylenetriamine	111-40-0	2003	0/39	0/13	—	(2)																	27
28	2-Amino-4-(hydroxy(methyl) phosphonoyl)butanoic acid (synonym: Glufosinate)	51276-47-2	2006	0/60	0/10	—	(0.67)																	28
29	4-Amino-5-hydroxynaphthalene-2,7-disulphonic acid	90-20-0	1980	0/24	0/8	—	(4)	0/24	0/8	—	(0.04～0.1)													29
30	7-Amino-4-hydroxynaphthalene-2-sulphonic acid	87-02-5	1980	0/24	0/8	—	(4)	0/24	0/8	—	(0.04～0.1)													30
31	3'-Amino-4'-methoxyacetanilide	6375-47-9	2006	0/21	0/7	—	(0.002)																	31
	1-Amino-2-methoxy-5-methylbenzene	See 2-Methoxy-5-methylaniline																						
32	1-Amino-2-methylanthraquinone	82-28-0	1986	0/30	0/10	—	(0.2)	0/30	0/10	—	(0.2)													32
33	2-Amino-5-methylbenzenesulfonic acid	88-44-8	1980	0/24	0/8	—	(10～200)	0/24	0/8	—	(0.5～11)													33
	1-Aminonaphthalene-4-sulphonic acid	See 4-Aminonaphthalene-1-sulphonic acid																						
34	2-Amino-1-naphthalene sulphonic acid	81-16-3	1985	0/30	0/10	—	(0.5)	0/30	0/10	—	(0.007)													34
	2-Aminonaphthalene-1-sulphonic acid	See 2-Amino-1-naphthalene sulphonic acid																						
	2-Aminonaphthalene-5-sulphonic acid	See 6-Aminonaphthalene-1-sulphonic acid																						
	2-Aminonaphthalene-6-sulphonic acid	See 6-Aminonaphthalene-2-sulphonic acid																						
	2-Aminonaphthalene-7-sulphonic acid	See 7-Aminonaphthalene-2-sulphonic acid																						
	2-Aminonaphthalene-8-sulphonic acid	See 7-Aminonaphthalene-1-sulphonic acid																						
35	4-Aminonaphthalene-6-sulphonic acid	84-86-6	1985	0/33	0/11	—	(0.5)	0/33	0/11	—	(0.007)													35
36	6-Aminonaphthalene-1-sulphonic acid	81-05-0	1985	0/33	0/11	—	(0.5)	0/33	0/11	—	(0.007)													36
37	6-Aminonaphthalene-2-sulphonic acid	93-00-5	1985	0/33	0/11	—	(0.5)	0/33	0/11	—	(0.007)													37
38	7-Aminonaphthalene-1-sulphonic acid	86-60-2	1985	0/33	0/11	—	(0.5)	0/33	0/11	—	(0.007)													38
39	7-Aminonaphthalene-2-sulphonic acid	494-44-0	1985	0/33	0/11	—	(0.5)	0/33	0/11	—	(0.007)													39
	1-Amino-8-naphthol-3,6-disulphonic acid	See 4-Amino-5-hydroxynaphthalene-2,7-disulphonic acid																						
	2-Amino-5-naphthol-7-sulphonic acid	See 7-Amino-4-hydroxynaphthalene-2-sulphonic acid																						
	2-Aminophenol	See *o*-Aminophenol																						
	3-Aminophenol	See *m*-Aminophenol																						
	4-Aminophenol	See *p*-Aminophenol																						
40	*o*-Aminophenol	95-55-6	1986	0/27	0/9	—	(0.1)	0/27	0/9	—	(0.02)													40
			2009	24/33	8/11	0.0050～0.022	(0.0023)																	
41	*m*-Aminophenol	591-27-5	1986	1/27	1/9	1.1	(0.7)	0/27	0/9	—	(0.03)													41
			2006	0/21	0/7	—	(0.007)																	
42	*p*-Aminophenol	123-30-8	1986	0/27	0/9	—	(0.8)	0/27	0/9	—	(0.05)													42
			2004	3/6	1/2	0.02～0.05	(0.02)																	
			2008	3/9	1/3	0.010～0.014	(0.009)																	
43	1-Amino-2-propanol	78-96-6	1980	0/27	0/9	—	(3～110)	0/27	0/9	—	(0.006～0.58)													43
44	3-Aminopropan-1-ol	156-87-6	1980	0/27	0/9	—	(2.5～270)	0/27	0/9	—	(0.005～1.4)													44
45	2-Aminopyridine	504-29-0	1983	0/30	0/10	—	(0.1～0.4)	0/30	0/10	—	(0.002～0.05)													45
			2008													0/15	0/5	—	(0.051)					
			2009	17/31	7/11	0.0025～0.014	(0.0023)	33/33	11/11	0.000021～0.0012	(0.000013)													
46	3-Aminopyridine	462-08-8	1983	0/30	0/10	—	(0.1～2)	0/30	0/10	—	(0.002～0.098)													46
47	4-Aminopyridine	504-24-5	1983	0/30	0/10	—	(0.1～3)	0/30	0/10	—	(0.005～0.12)													47
	3-Amino-1,2,4-triazole	See 3-Amino-1*H*-1,2,4-triazole																						
48	3-Amino-1*H*-1,2,4-triazole (synonym: Amitrole)	61-82-5	1984	0/24	0/8	—	(4)	0/24	0/8	—	(0.005～0.02)													48
			2005	0/6	0/2	—	(0.012)	0/21	0/7	—	(0.0004)													
	Amitrole	See 3-Amino-1*H*-1,2,4-triazole																						
49	Amylcinnamaldehyde	122-40-7	2010	0/51	0/17	—	(0.010)																	49
50	Aniline	62-53-3	1976	40/68	14/20	0.02～28	(0.04～0.2)	48/68	16/20	0.0007～0.50	(0.0008)													50
			1990	33/104	15/37	0.02～0.33	(0.02)	81/116	28/39	0.003～0.24	(0.002)	Fish 27/89	Fish 10/30	Fish 0.001～0.0077	(Fish 0.001)	1/48	1/16	480	(150)					
			1997													1/42	1/14	18	(15)					
			1998	1/141	1/47	0.074	(0.06)	95/120	36/43	0.0021～0.21	(0.002)													
			2005	20/121	11/42	0.060～0.49	(0.040)																	
51	Anionic surfactants	Unknown	1974	26/60	7/12	0.016～0.160	(0.001～0.5)																	51
52	*o*-Anisidine	90-04-0	1976	6/68	3/20	0.20～1.3	(0.2～0.8)	27/68	12/20	0.003～0.55	(0.003～0.004)													52
			1990	2/48	2/16	0.02～0.027	(0.02)	3/41	2/14	0.0067～0.0073	(0.005)	Fish 0/54	Fish 0/18	Fish —	(Fish 0.002)	0/51	0/17	—	(500)					
			2005	0/9	0/3	—	(0.0098)	0/9	0/3	—	(0.0033)													
	m-Anisidine	See 3-Methoxyaniline																						
53	*p*-Anisidine	104-94-9	1976	4/68	2/20	0.06～0.72	(0.06～0.2)	12/68	4/20	0.001～0.006	(0.0007～0.004)													53
			1990	0/57	0/19	—	(0.4)	0/54	0/18	—	(0.017)	Fish 0/54	Fish 0/18	Fish —	(Fish 0.02)	0/51	0/17	—	(1,500)					

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^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			
54	Anthracene-9,10-dione (synonym: Anthraquinone)	84-65-1	1988	0/75	0/25	—	(0.2)	21/53	8/18	0.018〜3.7	(0.018)													54
			1989	0/66	0/22	—	(0.18)	20/67	11/23	0.015〜0.16	(0.015)													
			2006	1/21	1/7	0.14	(0.04)																	
			2008													14/14	5/5	1.1〜8.7	(0.43)					
55	Anthracene (total with Phenanthrene)	120-12-7 etc.	1976	0/20	0/5	—	(0.1)	4/20	1/5	0.01〜0.23	(0.01)													55
	Anthracene	120-12-7	1977	0/9	0/5	—	(0.02〜3)	6/9	4/5	0.015〜1.2	(0.004)													
			1999	0/36	0/12	—	(0.013)	39/39	13/13	0.0017〜0.13	(0.0011)	Fish 2/36	Fish 1/12	Fish 0.00061〜0.00075	(Fish 0.00054)									
	Anthraquinone	See Anthracene-9,10-dione																						
56	Antimony and its compounds (as Antimony)	7440-36-0 etc.	1975	0/100	0/20	—	(10,000〜100,000)	0/95	0/19	—	(1,000〜10,000)	Fish 8/75	Fish 6/15	Fish 100〜480	(Fish 100〜1,000)									56
57	Arsenic and its compounds (as Arsenic)	7440-38-2 etc.	1978									Bivalves 10/10 Fish 30/30 Birds 0/6	Bivalves 2/2 Fish 6/6 Birds 0/1	Bivalves 1.5〜2.7 Fish 0.1〜7.1 Birds —	 (Birds 0.1)									57
			1979									Bivalves 15/15 Fish 37/40 Birds 0/6	Bivalves 3/3 Fish 8/8 Birds 0/1	Bivalves 1.4〜2.5 Fish 0.1〜3.1 Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1980									Birds 0/8	Birds 0/1	Birds —	(Birds 0.1)									
	Atrazine	See 2-Chloro-4-ethylamino-6-isopropylamino-1,3,5-triazin																						
	Auramine	See 4,4'-Carbonimidoylbis(*N*,*N*-dimethylanilin) monohydrochlori																						
	Azinphosmethyl	See *O*,*O*-Dimethyl 4-oxobenzotriazin-3-ylmethyl dithiophosphat																						
58	2,2'-Azobisisobutyronitrile	78-67-1	1979	0/15	0/5	—	(10)	0/15	0/5	—	(0.1)													58
			2006	0/18	0/6	—	(0.04)																	
	Azoic CC-12	See 5'-Chloro-3-hydroxy-2',4'-dimethoxy-2-naphthanilid																						
	Azoic CC-17	See 3-Hydroxy-3'-nitro-2-naphthanilid																						
	Azoic CC-2	See 3-Hydroxy-2-naphthanilid																						
	Azoic CC-41	See 5'-Chloro-3-hydroxy-2'-methoxy-2-naphthanilid																						
	Azoic CC-8	See 4'-Chloro-3-hydroxy-2'-methyl-2-naphthanilid																						
	Basic Green 4	See [4-[*alpha*-[4-(Dimethylamino)phenyl]benzylidene]cyclohexa-2,5-dien-1-ylidene)dimethylammonium chlori																						
	Basic Violet 10	See 9-(2-Carboxyphenyl)-3,6-bis(diethylamino)xanthylium chlorid																						
	Basic Yellow 2	See 4,4'-Carbonimidoylbis(*N*,*N*-dimethylanilin) monohydrochlori																						
	Bentazon	See 3-Isopropyl-2,1,3-benzothiadiazine-4-one-2,2-dioxid																						
	Benthiocarb	See *S*-(4-chlorobenzyl) *N*,*N*-diethylthiocarbamat																						
59	Benzaldehyde	100-52-7	1984	0/27	0/9	—	(0.5〜4)	8/27	3/9	0.01〜0.17	(0.01〜0.1)													59
	Benzalkonium chloride	See Alkylbenzyldimethyl ammonium chlorides (C_{12} C_{14} or C_{16}-alkyl)																						
60	Benz[a]anthracene	56-55-3	1989	0/159	0/53	—	(0.1)	115/148	41/51	0.0032〜2.1	(0.003)	Fish 1/111	Fish 1/37	Fish 0.0012	(Fish 0.001)	39/39	13/13	0.16〜11.0	(0.1)					60
			1999	0/39	0/13	—	(0.023)	38/39	13/13	0.0083〜0.55	(0.0051)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.00069)									
61	Benzene	71-43-2	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													61
			1985	11/19	6/7	0.02〜0.9	(0.02)	12/18	4/6	0.0005〜0.0036	(0.0002)													
			1986	19/112	9/38	0.03〜2.1	(0.03)	37/98	17/33	0.0005〜0.030	(0.0005)	Fish 37/114	Fish 15/36	Fish 0.003〜0.088	(Fish 0.003)									
62	1,2,4-Benzenetricarboxylic acid (synonym: Trimellitate)	528-44-9	1986	0/30	0/10	—	(1)	0/30	0/10	—	(0.03)													62
63	1,2,4-Benzenetricarboxylic acid tri-*n*-octyl ester		2010	0/45	0/15	—	(0.011)																	63
64	1,2,4-Benzenetricarboxylic acid tris(2-ethylhexyl) este	3319-31-1	1980	0/45	0/15	—	(0.008〜3)	0/45	0/15	—	(0.0039〜0.02)													64
	Benzenetricarboxylic acid tris(2-ethylhexyl) este	See 1,2,4-Benzenetricarboxylic acid tris(2-ethylhexyl) ester																						
65	Benzidine	92-87-5	1977	0/6	0/2	—	(0.015)	0/3	0/1	—	(0.003)													65
	Benzoepin	See 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxides																						
66	Benzofluoranthenes (Total of Benzo[b]fluoranthene Benzo[j]fluoranthene and Benzo(k)fluoranthene	205-99-2 205-82-3 207-08-9	1989	0/159	0/53	—	(0.1)	118/159	42/53	0.010〜5.5	(0.01)	Fish 1/120	Fish 1/40	Fish 0.004	(Fish 0.003)	36/39	13/13	0.24〜16.83	(0.2)					66
			1999	0/39	0/13	—	(0.018)	38/39	13/13	0.0048〜1.1	(0.0048)	Fish 4/39	Fish 2/13	Fish 0.00024〜0.00040	(Fish 0.00022)	36/36	12/12	0.36〜7.8	(0.060)					
67	Benzoic acid	65-85-0	1985	3/33	2/11	5〜6	(4)	24/33	8/11	0.05〜4.58	(0.04)													67
			1986	31/111	13/37	0.20〜2.1	(0.2)	112/146	41/49	0.02〜2.0	(0.02)	Fish 113/137	Fish 39/44	Fish 0.005〜0.31	(Fish 0.005)									
	1,4-Benzonitrile	See Terephthalonitrile																						
68	Benzonitrile	100-47-0	1977	0/6	0/2	—	(1〜5)	0/6	0/2	—	(0.1〜1)													68
69	Benzo[g,h,i]perylene	191-24-2	1989	1/72	1/24	0.05	(0.05)	72/72	25/25	0.003 〜1.31	(0.003)	Fish 1/66	Fish 1/22	Fish 0.016	(Fish 0.005)	32/39	12/13	0.41〜7.0	(0.4)					69
			1999	0/39	0/13	—	(0.027)	33/39	12/13	0.0091〜0.42	(0.009)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.00020)	32/33	11/11	0.10〜4.1	(0.086)					
70	Benzophenone	119-61-9	1981	0/15	0/5	—	(0.1〜0.2)	0/15	0/5	—	(0.02)													70
71	Benzo[a]pyrene	50-32-8	1989	0/138	0/46	—	(0.1)	122/134	41/45	0.005〜3.7	(0.005)	Fish 1/123	Fish 1/41	Fish 0.008	(Fish 0.003)	31/39	12/13	0.31〜6.37	(0.3)					71
			1991		0/18	—			16/18	0.0015〜1.5														
			1992		0/18	—			17/18	0.0030〜2.2														
			1993		1/19	0.017			17/19	0.0033〜1.6														
			1994		0/17	—			15/17	0.0073〜1.6														
			1995		0/18	—			15/18	0.0088〜1.7														
			1996		0/18	—			16/18	0.00616〜1.4														
			1997		0/18	—			15/18	0.00267〜1.5														
			1998		0/18	—			15/18	0.0046〜2.1														
			1999						14/18	0.0031〜1.7														
			2000						12/17	0.0024〜2.3														
			2001						16/20	0.0024〜1.7														
			2002	12/114	7/38	0.00063〜0.0021	(0.00029)	167/186	57/62	0.00034〜1.2	(0.00030)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.0002)									
72	Benzo[e]pyrene	192-97-2	1989	0/75	0/25	—	(0.1)	72/74	25/25	0.0009〜1.8	(0.0008)	Fish 0/66	Fish 0/22	Fish —	(Fish 0.003)	29/39	12/13	0.30〜5.43	(0.3)					72
			1999	0/39	0/13	—	(0.015)	38/39	13/13	0.0041〜0.35	(0.0041)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.00041)	30/32	11/11	0.074〜3.7	(0.054)					
73	*p*-Benzoquinone bis(*O*-	120-52-5	1980	0/36	0/12	—	(0.1〜10)																	73
74	Benzothiazole	95-16-9	1983	0/30	0/10	—	(0.1〜0.5)	4/30	3/10	0.0016〜0.0033	(0.0015〜0.05)													74
75	Benzothiazole-2-thione	149-30-4	1977	3/12	3/6	0.011〜0.021	(0.1)	2/12	2/6	0.0021〜0.037	(0.0009〜0.02)													75
			1978	0/117	0/37	—	(0.01〜24)	3/111	2/35	0.046〜0.058	(0.002〜1.2)	Fish 0/90	Fish 0/26	Fish —	(Fish 0.002〜1)									
76	2-(2-Benzothiazolyloxy)-*N*-methylacetanilide (synonym: Mefenacet)	73250-68-7	2006	0/39	0/13	—	(0.025)					Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.0003)									76
77	Benzo[b]thiophene	95-15-8	1998	0/42	0/14	—	(0.05)	11/36	4/12	0.0023〜0.023	(0.002)	Fish 0/42	Fish 0/14	Fish —	(Fish 0.001)									77
	Benzothiophene	See Benzo[b]thiophene																						
78	2-(2*H*-1,2,3-Benzotriazol-2-yl)-4,6-di-*tert*-butylphenol	3846-71-7	2005	0/15 10/152	0/5 4/44	— 0.000084〜0.030	(0.006) (0.000080)																	78
			2006	5/18	2/6	0.00005〜0.00010	(0.00004)	18/18	6/6	0.000009〜0.0058	(0.000010)	Bivalves & Fish 30/30	Bivalves & Fish 10/10	Bivalves & Fish 0.000009〜0.0037	(Bivalves & Fish 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^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			
79	Benzyl acetate	140-11-4	2009	0/32	0/11	—	(0.016)																	79
80	Benzyl alcohol	100-51-6	1985	0/33	0/11	—	(0.2)	3/24	2/8	0.010〜0.013	(0.01)													80
			2006	0/15	0/5	—	(0.05)	6/15	3/5	0.007〜0.021	(0.007)													
			2007													14/18	5/6	540〜7,300	(450)					
81	Benzyl chloride	100-44-7	1976	0/60	0/17	—	(30〜100)	0/53	0/17	—	(0.4〜4)	Fish 0/2	Fish 0/1	Fish —	(Fish 1.0)									81
			1989	0/63	0/21	—	(0.2)	0/66	0/22	—	(0.01)					5/21	2/7	6.4〜8.3	(5)					
82	*S*-Benzyl *O*,*O*-diisopropyl thiophosphate (synonym: Iprobenfos or IBP)	26087-47-8	1993	13/165	5/55	0.1〜1.6	(0.094)	2/168	1/56	0.038〜0.039	(0.037)	Fish 4/153	Fish 2/50	Fish 0.017〜0.048	(Fish 0.016)	0/24	0/8	—	(3)					82
			2005	66/72	8/8	0.013〜1.9	(0.012)																	
83	Benzylidene dichloride	98-87-3	2006													0/15	0/5	—	(2)					83
84	Benzylidyne trichloride	98-07-7	2006													0/15	0/5	—	(4)					84
	[(Benzyloxy)methyl]benzene	See Dibenzyl ether																						
	BHA	See 2-*tert*-Butyl-4-methoxyphenol																						
	BHC	See Hexachlorocyclohexane																						
	BHT	See 2,6-Di-*tert*-butyl-4-metylphenol																						
	Bifenthrin	See 2-Methyl-1,1'-biphenyl-3-ylmethyl *Z*)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylat																						
85	Biphenyl	92-52-4	1976	0/68	0/15	—	(0.2〜10)	0/50	0/15	—	(0.05 〜1.0)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.04 〜0.25)									85
			2007													21/24	7/8	4.5〜28	(3.8)					
86	Biphenyl-2-ylamine	90-41-5	1977	0/6	0/2	—	(0.05)	0/3	0/1	—	(0.02)													86
	Bis(4-bromophenyl) ether	See Brominated diphenyl ether (4,4'-Dibromodiphenyl ether																						
87	Bis(2-(2-butoxyethoxy)ethyl) adipate	141-17-3	1978	0/30	0/10	—	(0.8〜50)	0/30	0/10	—	(0.04〜2)													87
88	1,1-Bis(*tert*-butyldioxy)-3,3,5-trimethylcyclohexane	6731-36-8	1989	0/69	0/23	—	(0.2)	0/69	0/23	—	(0.028)	Fish 0/63	Fish 0/21	Fish —	(Fish 0.01)									88
			1995	0/33	0/11	—	(0.03)	0/33	0/11	—	(0.011)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.005)									
			2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00003)									
			2007	0/33	0/11	—	(0.00010)	3/33	1/11	0.00014〜0.00017	(0.000034)													
	1,1-Bis(*tert*-butylperoxy)-3,3,5-trimethylcyclohexane	See 1,1-Bis(*tert*-butyldioxy)-3,3,5-trimethylcyclohexane																						
89	Bis(2-chloroethyl) ether	111-44-4	1977	0/6	0/2	—	(2〜5)	0/6	0/2	—	(0.5〜0.6)													89
			1984	0/24	0/8	—	(0.07〜0.1)	0/24	0/8	—	(0.003〜0.008)													
			1995	6/27	2/9	0.030〜0.071	(0.02)	0/33	0/11	—	(0.01)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.6)									
			1996													0/18	0/6	—	(56)					
	Bis(2-chloroisopropyl) ether	See Bis(2-chloro-1-methylethyl) ether																						
90	Bis(2-chloro-1-methylethyl) ether	108-60-1	1984	0/24	0/8	—	(0.10)	0/24	0/8	—	(0.003〜0.015)													90
91	4,4'-Bis(dimethylamino) benzophenone	90-94-8	1985	0/24	0/8	—	(0.5)	0/24	0/8	—	(0.02)													91
	4,4'-Bis(dimethylaminophenyl) methane	See 4,4'-Methylenebis(*N*,*N*'-dimethylaniline)																						
	Bis(dimethylcarbamoyl)disulfide	See Tetramethylthiuram disulfide																						
92	2,6-Bis(1,1-dimethylethyl)-4-ethylphenol	4130-42-1	1984	0/30	0/10	—	(0.06〜0.3)	2/30	1/10	0.0036〜0.0048	(0.0006〜0.0071)													92
			2001	5/153	2/51	0.063〜0.21	(0.055)	8/159	4/53	0.0035〜0.074	(0.0033)													
	2,6-Bis(1,1-dimethylethyl)phenol	See 2,6-Di-*tert*-butylphenol																						
	Bis(dimethylthiocarbamoyl) sulfide	See Tetramethyl-thiodicarbonic diamide																						
93	2,4-Bis(ethylamino)-6-methylthio-1,3,5-triazine	1014-70-6	1992	6/78	2/26	0.1〜0.27	(0.05)	2/78	1/26	0.016〜0.023	(0.011)	Fish 0/75	Fish 0/25	Fish —	(Fish 0.0078)									93
94	Bis(2-ethylhexyl)adipate	103-23-1	1978	0/30	0/10	—	(0.4〜25)	0/30	0/10	—	(0.02〜1)													94
			1984													47/72	11/12	0.23〜16.7	(0.10〜0.61)					
			1995	0/33	0/11	—	(0.7)	11/29	5/10	0.016〜0.10	(0.012)					31/41	13/14	1.0〜22	(1)					
			1998													26/33	11/12	1.0〜26	(1)					
95	Bis(2-ethylhexyl)sebacate	122-62-3	1981	0/21	0/7	—	(0.8〜4)	0/21	0/7	—	(0.04〜0.4)													95
	2,2-Bis[4-(2-hydoroxy)-3,5-dibromophenyl]propane	See 2,2'-Isopropylidenebis[(2,6-dibromo-4,1- phenylene)oxy] diethanol																						
	2,2-Bis(4-hydroxyphenyl)propane	See 4,4'-Isopropylidenediphenol																						
	Bis(1-methyl-1-chloroethyl) ether	See Bis(2-chloro-1-methylethyl) ether																						
96	Bis(1-methyl-1-phenylethyl) peroxide	80-43-3	2009	0/66	0/22	—	(0.007)																	96
	Bisphenol A	See 4,4'-Propane-2,2-diyldiphenol																						
97	2,4-Bis(1-phenylethyl)phenol	2769-94-0	1981	0/27	0/9	—	(0.03〜0.05)	6/27	2/9	0.16〜0.3	(0.002〜0.01)													97
98	Bis(piperidinothiocarbonyl) tetrasulphide	120-54-7	1980	0/21	0/7	—	(0.002〜0.07)	0/9	0/3	—	(0.2)													98
99	Bis(2,3,3,3-tetrachloropropyl) ether	127-90-2	1981	0/24	0/8	—	(0.01〜0.025)	0/24	0/8	—	(0.001〜0.0029)													99
			1984	0/24	0/8	—	(0.001〜0.002)	0/24	0/8	—	(0.00005〜0.00023)													
			2004	0/27	0/9	—	(0.0045)	0/27	0/9	—	(0.0026)													
	Bis(tribromophenoxy)ethane	See 1,1'-[1,2-Ethanediylbis(oxy)]bis[2,4,6-tribromobenzene																						
	BPMC	See 2-*sec*-Butylphenyl *N*-methylcarbamate																						
	Branched alkylbenzene sulfonates	See Alkylbenzene sulfonates (Branched alkylbenzene sulfonates																						
100	2-Bromoaniline	615-36-1	1984	0/18	0/6	—	(0.003〜0.1)	0/18	0/6	—	(0.0001〜0.012)													100
101	3-Bromoaniline	591-19-5	1984	0/18	0/6	—	(0.006〜0.1)	0/18	0/6	—	(0.0004〜0.012)													101
102	4-Bromoaniline	106-40-1	1984	0/18	0/6	—	(0.006〜0.1)	0/18	0/6	—	(0.0004〜0.012)													102
	o-Bromoaniline	See 2-Bromoaniline																						
	m-Bromoaniline	See 3-Bromoaniline																						
	p-Bromoaniline	See 4-Bromoaniline																						
103	Bromobenzene	108-86-1	1981	0/12	0/4	—	(10)	0/12	0/4	—	(0.2)													103
104	1-Bromobutane	109-65-9	1981	0/15	0/5	—	(3)	0/15	0/5	—	(0.012〜0.02)													104
105	Bromochlorodifluoromethane (synonym: Halon 1211)	353-59-3	2006	0/15	0/5	—	(0.02)																	105
106	Bromochloromethane	74-97-5	1976	0/60	0/12	—	(0.2〜1)	0/40	0/10	—	(0.005〜0.065)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.005〜0.010)									106
107	1-Bromo-3-chloropropane	109-70-6	1999	0/156	0/52	—	(0.0041)	6/147	2/49	0.022〜0.055	(0.0040)					3/21	2/7	20〜34	(19)					107
108	2-(4-Bromodifluoromethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether (synonym: Halfenprox)	111872-58-3	2006	0/33	0/11	—	(0.013)																	108
109	Bromoethane	74-96-4	1976	0/60	0/12	—	(160〜450)	0/40	0/10	—	(1.54〜23)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.77〜2.0)									109
			1983													15/101	2/12	2〜59	(1〜17)					
			1997													5/30	3/10	5.9〜53	(5.4)					
			1998													0/36	0/12	—	(40)					
	Bromoform	See Tribromomethane																						

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^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			
110	Bromomethane	74-83-9	1976	0/60	0/12	—	(1.8〜19)	0/40	0/10	—	(0.024〜0.95)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.012〜0.05)									110
			1980													5/27	3/6	15〜31	(15〜100)					
			1998													36/39	13/14	49〜340	(41)					
			2002	0/48	0/16	—	(0.1)																	
			2003													10/12	4/4	33〜490	(27)					
	2-Bromophenol	See *o* -Bromophenol																						
	3-Bromophenol	See *m* -Bromophenol																						
	4-Bromophenol	See *p* -Bromophenol																						
111	*o* -Bromophenol	95-56-7	1983	0/33	0/11	—	(0.08〜0.1)	0/33	0/11	—	(0.001〜0.005)													111
112	*m* -Bromophenol	591-20-8	1983	0/33	0/11	—	(0.4)	0/33	0/11	—	(0.001〜0.02)													112
113	*p* -Bromophenol	106-41-2	1983	0/33	0/11	—	(0.4)	5/33	3/11	0.02〜0.03	(0.001〜0.02)													113
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)													
			2008	4/102	2/34	0.0020〜0.0029	(0.0018)																	
114	4-Bromophenyl phenyl ether	101-55-3	1984	0/27	0/9	—	(0.15〜0.5)	0/27	0/9	—	(0.0025〜0.12)													114
115	1-Bromopropane	106-94-5	1981	0/15	0/5	—	(2〜3)	0/15	0/5	—	(0.009〜0.02)													115
			2004													27/57	11/19	27〜270	(25)					
116	2-Bromopropane	75-26-3	1997	0/36	0/12	—	(0.01)	0/36	0/12	—	(0.028)					0/57	0/19	—	(200)					116
			1998													0/39	0/13	—	(170)					
117	3-Bromo-1- propene (synonym: Allyl bromide)	106-95-6	2006	0/15	0/5	—	(0.0018)																	117
118	*beta* -Bromostyrene	103-64-0	1985	0/30	0/10	—	(0.05)	0/30	0/10	—	(0.003)													118
	BRP	See 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate																						
	Butachlor	See *N* -(Butoxymethyl)-2-chloro-2',6'-diethylacetanilide																						
119	1,3-Butadiene	106-99-0	1977	0/6	0/2	—	(0.1〜5)	0/6	0/2	—	(0.0005〜0.005)													119
	Butadiene	See 1,3-Butadiene																						
120	1-Butanamine	109-73-9	1981	0/27	0/9	—	(2〜4)	0/27	0/9	—	(0.005〜0.04)													120
	1,2-Butanediol	See 1,2-Butylene glycol																						
121	1,3-Butanediol	107-88-0	1986	0/24	0/8	—	(0.3)	0/24	0/8	—	(0.03)													121
122	1,4-Butanediol	110-63-4	1986	0/24	0/8	—	(2)	0/24	0/8	—	(0.09)													122
123	1-Butanol	71-36-3	1979	0/30	0/10	—	(100〜1,000)	0/30	0/10	—	(1.0〜10.0)													123
			1995	2/33	2/11	2.3〜3.7	(2)	4/33	2/11	0.14〜0.78	(0.12)					9/15	3/5	51〜1,300	(50)					
			2006													13/21	5/7	71〜1,400	(60)					
124	2-Butanol	78-92-2	1979	0/30	0/10	—	(100〜1,000)	0/30	0/10	—	(1.0〜10.0)													124
			1995	0/33	0/11	—	(10)	2/33	1/11	0.029〜0.049	(0.021)													
	n -Butanol	See 1-Butanol																						
	sec -Butanol	See 2-Butanol																						
	tert -Butanol	See 2-Methylpropan-2-ol																						
	2-Butanone	See Methyl ethyl ketone																						
125	Butan-2-one oxime	96-29-7	1978	0/21	0/7	—	(10〜30)	0/18	0/6	—	(0.1〜0.7)													125
			2010	54/66	20/22	0.0098〜0.52	(0.0097)																	
126	2-Butenal (synonym: Crotonaldehyde	4170-30-3	1987	0/75	0/25	—	(0.8)									0/61	0/10	—	(800)					126
			1995	0/33	0/11	—	(2)									3/54	1/18	3,600〜5,200	(3,000)					
			1997													1/42	1/14	1,600	(1,000)					
			1998													21/29	8/10	15〜330	(15)					
			2009	56/69	20/23	0.012〜0.25	(0.012)																	
	1-*n* -Butoxy-2,3-epoxypropane	See (Butoxymethyl)oxirane																						
127	2-Butoxyethanol	111-76-2	1976	0/60	0/15	—	(90〜100)	0/20	0/4	—	(0.4)													127
			1995	1/168	1/56	2.2	(2)	0/165	0/55	—	(0.22)													
			2000													43/45	15/15	4.8〜560	(2.2)					
128	*N* -(Butoxymethyl)-2-chloro-2',6'-diethylacetanilide	23184-66-9	1994	0/39	0/13	—	(0.02)	0/39	0/13	—	(0.0044)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.002)									128
			2001	0/51	0/17	—	(0.11)	0/51	0/17	—	(0.0016)	Fish 0/48	Fish 0/16	Fish —	(Fish 0.0015)									
129	(Butoxymethyl)oxirane	2426-08-6	1984	0/24	0/8	—	(0.5〜0.7)	0/24	0/8	—	(0.006〜0.019)													129
130	Butyl acetate	123-86-4	1995	0/33	0/11	—	(0.2)									18/18	6/6	8.1〜2,100	(2)					130
			2000													39/45	14/15	110〜13,000	(88)					
131	*n* -Butyl acrylate	141-32-2	1980	0/51	0/17	—	(0.7〜30)	0/51	0/17	—	(0.0080〜0.07)													131
			2008													1/59	1/20	78	(29)					
	tert -Butyl alcohol	See 2-Methylpropan-2-ol																						
	n -Butylamine	See 1-Butanamine																						
132	4-*tert* -Butylbenzoic acid	98-73-7	1985	0/33	0/11	—	(4)	6/24	2/8	0.02〜0.05	(0.02)													132
			1986	2/105	1/35	0.2〜0.3	(0.2)	2/138	2/46	0.02〜0.021	(0.02)	Fish 7/108	Fish 4/34	Fish 0.005 〜0.047	(Fish 0.005)									
			1996	2/33	1/11	0.2〜0.6	(0.2)	8/33	4/11	0.021〜0.06	(0.02)													
	p -*tert* -Butylbenzoic acid	See 4-*tert* -Butylbenzoic acid																						
133	*N* -(*tert* -Butyl)-2-benzothiazole sulfenamide	95-31-8	1998	0/39	0/13	—	(0.1)	0/36	0/12	—	(0.0047)													133
	Butyl benzyl phthalate	See Phthalates (*n* -Butyl benzyl phthalate)																						
134	*N'* -*tert* -Butyl-*N* -cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	28159-98-0	2005	0/30	0/10	—	(0.008)																	134
	2-*tert* -Butyl-4-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazoline-5-one	See 3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-(3*H*)-one																						
135	1-*tert* -Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea (synonym: Diafenthiuron)	80060-09-9	2006	0/15	0/5	—	(0.020)																	135
136	1,2-Butylene glycol	584-03-2	1995	0/33	0/11	—	(0.2)	3/33	1/11	0.009〜0.013	(0.0061)													136
137	*tert* -Butyl 2-ethylperoxyhexanoate	3006-82-4	2009	0/36	0/12	—	(0.0069)																	137
138	*n* -Butyl formate	592-84-7	1981	0/9	0/3	—	(60)	0/9	0/3	—	(0.6)													138
	tert -Butylhydroxyanisole	See 2-*tert* -Butyl-4-methoxyphenol																						
	p -*tert* -Butylhydroxyphenol	See 2-(1,1-Dimethylethyl)-1,4-benzenediol																						
	4,4'-Butylidenebis(6-*tert* -butyl-3-methylphenol)	See 6,6'-Di-*tert* -butyl-4,4'-butylidenedi-*m* -cresol																						
139	*n* -Butyl methacrylate	97-88-1	1979	0/24	0/8	—	(0.005〜1)	0/24	0/8	—	(0.00010〜0.01)													139
			2011	0/14	0/14	—	(0.012)									5/42	2/14	14〜37	(8.7)					
140	2-*tert* -Butyl-4-methoxyphenol	121-00-6	1980	0/39	0/13	—	(0.03〜10)	0/39	0/13	—	(0.0027〜0.2)													140
			2000	0/30	0/10	—	(0.016)	0/30	0/10	—	(2.0)													
141	2-*tert* -Butyl-5-methylphenol	88-60-8	2008	0/99	0/33	—	(0.0019)																	141
			2009					0/35	0/12	—	(0.00059)													
142	Butylnaphthalenesulphonic acid	25638-17-9	1981	0/18	0/6	—	(0.5〜15)	0/18	0/6	—	(0.025〜3.2)													142

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^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			
	n -Butyl *p* -oxybenzoate	See Butylparaben																						
143	Butylparaben	94-26-8	2000	0/33	0/11	—	(0.027)	0/30	0/10	—	(2.3)	Fish 0/28	Fish 0/10	Fish —	(Fish 2.9)									143
144	4-*tert* -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)													
	p -*tert* -Butylphenol	See 4-*tert* -Butylphenol																						
145	2-*sec* -Butylphenyl *N* -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)																	
	o -*sec* -Butylphenyl methylcarbamate	See 2-*sec* -Butylphenyl *N* -methylcarbamate																						
	6-*tert* -Butyl-2,4-xylenol	See 2-(1,1-Dimethylethyl)-4,6-dimethylpheno																						
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)									
	Camphechlor	See Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptane																						
	Caprolactam	See *epsilon* -Caprolactam																						
147	*epsilon* -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 *N* -(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide																						
	Carbaryl	See 1-Naphtyl *N* -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)					
	Carbendazim	See Methyl benzoimidazol-2-ylcarbamate																						
	Carbofuran	See 2,3-Dihydro-2,2-dimethyl-7-benzo[b]furanyl *N* -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(*N* ,*N* -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	*p* -Carboxy-*beta* -(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 (synionym: Basic Violet 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																						
	Chlomethoxynil	See 2,4-Dichlorophenyl 3-methoxy-4-nitrophenyl ether																						
	Chlorbutanol	See 1,1,1-Trichloro-2-methyl-2-propanol																						
154	*cis* -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	Fish 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													18/73	7/12	0.43～5.0	(0.4)					
					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)									
			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)									

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^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			
			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)									
			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 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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	(0.000002)	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 0.0000068〜 0.00037	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	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	(0.000002)	189/189	63/63	0.000004〜0.036	(0.000002)	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 0.0000058〜 0.00024	(Bivalves 0.0000058) (Fish 0.0000058) (Birds 0.0000058)	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	(0.000001)	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 0.0000058〜 0.00034	(Bivalves 0.0000039) (Fish 0.0000039) (Birds 0.0000039)	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	(0.000002)	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	(0.000002)	191/192	64/64	0.000002〜0.0075	(0.000002)	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	(0.000004)	64/64	64/64	0.000004〜0.0072	(0.000002)	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. 0.0003) (C.S. 0.0003)					
			2011	49/49	49/49	0.0000038〜0.00050	(0.0000006)	64/64	64/64	0.0000017〜 0.0045	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00016〜 0.0034 Fish 0.000079〜0.0038 Birds 0.000006	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0015〜 0.70 C.S. 0.00088〜 0.24	(W.S. 0.00042) (C.S. 0.00042)					
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	Fish 29/36	Fish 0.001〜0.069	(Fish 0.001)									155
			1983									Bivalves 10/20 Fish 24/50 Birds 5/10	Bivalves 2/4 Fish 6/10 Birds 1/2	Bivalves 0.010〜0.018 Fish 0.001〜0.011 Birds 0.001〜0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									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)									
			1985									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)									
			1986													33/73	8/12	0.40〜8.5	(0.4)					
					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)									
			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)									

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^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			
			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)									
			1993		1/19	0.0004			9/19	0.000018～0.011		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	0.0000031～0.00078	(0.0000005)	189/189	63/63	0.0000021～0.016	(0.0000006)	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 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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	0.0000024～0.013	(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 0.0000024) (Fish 0.0000024) (Birds 0.0000024)	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	(0.0000009)	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	(0.00000084)	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 0.0000035) (Fish 0.0000035) (Birds 0.0000035)	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	(0.0000004)	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	(0.0000008)	191/192	64/64	0.0000010～ 0.0075	(0.0000008)	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	(0.0000008)	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	(0.0000003)	192/192	64/64	0.0000021～ 0.0083	(0.0000007)	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)					

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^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			
			2011	49/49	49/49	0.0000032～0.00047	(0.0000004)	64/64	64/64	0.0000032～0.0043	(0.0000005)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00015～0.0029 Fish 0.000020～0.0013 Birds 0.000005	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0014～0.81 C.S. 0.00070～0.29	(W.S. 0.00053) (C.S. 0.00053)					
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	0.00000020～0.0000058	(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	0.00000017～0.0000016	(0.00000004)	9/64	9/64	0.0000002～0.0000028	(0.0000002)	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)					
			2011	15/49	15/49	0.00000005～0.00000070	(0.00000005)	9/64	9/64	0.00000028～0.0000015	(0.0000002)	Bivalves 0/4 Fish 0/18 Birds 0/1	Bivalves 0/4 Fish 0/18 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.0000002) (Fish 0.0000002) (Birds 0.0000002)	W.S. 0/35 C.S. 0/37	W.S. 0/35 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-1*H* -indene																						
	Chlorfenvinphos	See 2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate																						
157	Chlorinated paraffins	63449-39-8	1979	0/51	0/17	—	(10)	24/51	10/17	0.6～10	(0.5)													157
	(C_8 - C_{32})		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)									
157-1	Short-chain chlorinated paraffins (C_{10} - C_{13})	85535-84-8																						157-1
157-1-1	Chlorinated decans	Unknown	2004	0/6	0/2	—	(0.0090)	0/6	0/2	—	(0.00077)	Fish 0/5	Fish 0/2	Fish —	(Fish 0.00053)									157-1-1
157-1-1-1	(Cl_4 - Cl_6)		2005									Bivalves 0/18 Fish 3/54	Bivalves 0/6 Fish 2/18	Bivalves — Fish 0.00020	(Bivalves 0.00043*) (Fish 0.00043*)									157-1-1-1
157-1-1-2	(Cl_5)		2005	0/24	0/8	—	(0.0084)	0/12	0/4	—	(0.0014)													157-1-1-2
157-1-2	Chlorinated undecans	Unknown	2004	0/6	0/2	—	(0.023)	0/6	0/2	—	(0.0030)	Fish 0/5	Fish 0/2	Fish —	(Fish 0.0015)									157-1-2
157-1-2-1	(Cl_5 - Cl_7)		2005									Bivalves 3/18 Fish 6/54	Bivalves 1/6 Fish 2/18	Bivalves 0.00004～0.00009 Fish 0.00008～0.00048	(Bivalves 0.00014*) (Fish 0.00014*)									157-1-2-1
157-1-2-2	(Cl_6)		2005	0/24	0/8	—	(0.0099)	0/12	0/4	—	(0.00085)													157-1-2-2
157-1-3	Chlorinated dodecanes	Unknown	2004	0/6	0/2	—	(0.0086)	0/6	0/2	—	(0.00034)	Fish 0/5	Fish 0/2	Fish —	(Fish 0.00020)									157-1-3
157-1-3-1	(Cl_5 - Cl_7)		2005									Bivalves 0/18 Fish 10/54	Bivalves 0/6 Fish 6/18	Bivalves — Fish 0.00002～0.00040	(Bivalves 0.00014*) (Fish 0.00014*)									157-1-3-1
157-1-3-2	(Cl_6)		2005	0/24	0/8	—	(0.0073)	0/12	0/4	—	(0.00080)													157-1-3-2
157-1-4	Chlorinated tridecanes	Unknown	2004	0/6	0/2	—	(0.0055)	0/6	0/2	—	(0.00092)	Fish 0/5	Fish 0/2	Fish —	(Fish 0.00056)									157-1-4
157-1-4-1	(Cl_5 - Cl_7)		2005									Bivalves 2/18 Fish 16/54	Bivalves 2/6 Fish 10/18	Bivalves 0.00006～0.00007 Fish 0.00005～0.00070	(Bivalves 0.00029*) (Fish 0.00029*)									157-1-4-1
157-1-4-2	(Cl_6)		2005	0/24	0/8	—	(0.014)	0/12	0/4	—	(0.00051)													157-1-4-2
157-2	Medium-chain chlorinated paraffins (C_{14} - C_{17})	85535-85-9																						157-2
157-2-1	Chlorinated tetradecanes (Cl_5 - Cl_8)		2005	0/12	0/4	—	(0.071*)	12/12	4/4	0.019～0.39	(0.0030*)	Bivalves 17/18 Fish 45/57	Bivalves 6/6 Fish 17/19	Bivalves 0.00030～0.0085 Fish 0.00024～0.16	(Bivalves 0.0014*) (Fish 0.0015*)									157-2-1
157-2-2	Chlorinated pentadecanes (Cl_5 - Cl_9)		2005									Bivalves 18/18 Fish 53/54	Bivalves 6/6 Fish 18/18	Bivalves 0.00026～0.0033 Fish 0.000026～0.084	(Bivalves 0.00044*) (Fish 0.00044*)									157-2-2
158	Chlornitrofen	1836-77-7	1978	0/18	0/6	—	(0.006～0.01)	0/18	0/6	—	(0.0003～0.003)													158
			1982	5/54	2/18	0.001～0.003	(0.001～0.2)	8/54	3/18	0.0007～0.006	(0.0001～0.009)													
			1990	0/17	0/17	—	(0.19)	1/17	1/17	0.046	(0.012)	Fish 4/17	Fish 4/17	Fish 0.019～0.30	(Fish 0.006)									
			1991	0/57	0/19	—	(0.35)	0/51	0/17	—	(0.043)					0/54	0/18	—	(21)					
								0/17	0/17	—	(0.012)													
159	Chlornitrofen-amino	26306-61-6	1990	0/17	0/17	—	(0.4)	14/17	14/17	0.014～0.23	(0.014)	Fish 4/17	Fish 4/17	Fish 0.017～0.045	(Fish 0.011)									159
			1991					11/17	11/17	0.016～0.29	(0.014)													
160	5-Chloro-*N*-{2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl}-6-ethylpyrimidine-4-amine (synonym: Pyrimidifen)	105779-78-0	2006	0/21	0/7	—	(0.07)																	160
			2007													0/15	0/5	—	(1.8)					
161	Chloroacetaldehyde	107-20-0	1980	0/33	0/11	—	(1.5～15)	0/33	0/11	—	(0.03～0.3)													161
162	Chloroacetic acid	79-11-8	1984	1/21	1/7	0.64	(0.2～1)	3/21	1/7	0.0016～0.0033	(0.001～0.01)													162
	Chloroacetone	See 1-Chloro-2-propanone																						
163	*o* -Chloroaniline	95-51-2	1976	12/120	6/35	0.028～0.35	(0.02～100)	29/113	13/35	0.0007～0.098	(0.0003～1.0)	Fish 0/2	Fish 0/1	Fish —	(Fish 1.0)									163
			1990	7/78	4/26	0.02～0.56	(0.02)	25/64	10/22	0.0032～0.028	(0.003)	Fish 2/72	Fish 1/24	Fish 0.0012～0.0025	(Fish 0.001)	0/51	0/17	—	(150)					
			1998	0/144	0/48	—	(0.09)	17/133	7/45	0.0051～0.056	(0.005)													
			2003	0/114	0/38	—	(0.025)																	
			2011	1/28	1/28	0.072～0.072	(0.021)																	
164	*m* -Chloroaniline	108-42-9	1976	10/128	4/37	0.013～0.34	(0.1～100)	34/121	13/37	0.0003～0.067	(0.0001～1.2)	Fish 0/2	Fish 0/1	Fish —	(Fish 1.0)									164
			1990	3/45	2/15	0.029～0.06	(0.02)	24/43	10/15	0.003～0.043	(0.003)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.002)	0/51	0/17	—	(150)					
			1998	0/153	0/51	—	(0.11)	11/130	5/44	0.0046～0.022	(0.0045)													
			2005	0/15	0/5	—	(0.051)	5/18	3/6	0.0037～0.0067	(0.0036)													
			2011	4/25	4/25	0.0039～0.0079	(0.0019)																	
165	*p* -Chloroaniline	106-47-8	1976	9/128	5/37	0.024～0.39	(0.02～100)	39/121	13/37	0.001～0.27	(0.0005～1.2)	Fish 0/2	Fish 0/1	Fish —	(Fish 1.0)									165
			1990	0/54	0/18	—	(0.05)	15/42	7/15	0.0089～0.05	(0.008)	Fish 0/57	Fish 0/19	Fish —	(Fish 0.005)	0/51	0/17	—	(250)					
			1998	0/135	0/45	—	(0.07)	24/135	9/45	0.0053～0.020	(0.005)													
			2011	5/28	5/28	0.0051～0.02	(0.0051)																	
166	2-Chloro-9,10-anthracenedione	131-09-9	1985	0/33	0/11	—	(1)	0/27	0/9	—	(0.05)													166
167	1-Chloroanthraquinone	82-44-0	1985	0/33	0/11	—	(1)	0/27	0/9	—	(0.05)													167
	2-Chloroanthraquinone	See 2-Chloro-9,10-anthracenedione																						
168	2-Chlorobenzaldehyde	89-98-5	1984	0/27	0/9	—	(0.2～1)	0/27	0/9	—	(0.003～0.023)													168
169	3-Chlorobenzaldehyde	587-04-2	1984	0/27	0/9	—	(0.4～1)	0/27	0/9	—	(0.01～0.03)													169
170	4-Chlorobenzaldehyde	104-88-1	1984	0/27	0/9	—	(0.2～1)	0/27	0/9	—	(0.005～0.03)													170
	o -Chlorobenzaldehyde	See 2-Chlorobenzaldehyde																						
	m -Chlorobenzaldehyde	See 3-Chlorobenzaldehyde																						
	p -Chlorobenzaldehyde	See 4-Chlorobenzaldehyde																						

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^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			
171	Chlorobenzene	108-90-7	1976	0/68	0/19	—	(40〜200)	0/61	0/19	—	(0.4〜4)	Fish 0/2	Fish 0/1	Fish —	(Fish 1.0)									171
			1983													91/91	12/12	1〜22	(1)					
			1997	0/36	0/12	—	(0.3)	0/36	0/12	—	(0.019)													
			1998													24/32	10/11	20〜160	(20)					
			2005	0/27	0/9	—	(0.002)																	
			2006					0/18	0/6	—	(0.0003)													
			2009									Bivalves & Fish 5/39	Bivalves & Fish 3/13	Bivalves & Fish 0.000056〜0.0010	(Bivalves & Fish 0.000045)									
172	Chlorobenzilate	510-15-6	1987	0/75	0/25	—	(1)	0/66	0/22	—	(0.06)	Fish 0/75	Fish 0/24	Fish —	(Fish 0.03)									172
173	2-Chlorobenzoic acid	118-91-2	1985	0/33	0/11	—	(3)	0/33	0/11	—	(0.02)													173
	o -Chlorobenzoic acid	See 2-Chlorobenzoic acid																						
174	*S* -(4-chlorobenzyl) *N* ,*N* -diethylthiocarbamate (synonym: Thiobencarb or Benthiocarb)	28249-77-6	1992	0/165	0/55	—	(0.2)	3/165	1/55	0.062〜0.1	(0.044)	Fish 0/150	Fish 0/50	Fish —	(Fish 0.014)	1/46	1/15	8.4	(3)					174
			2006	0/39	0/13	—	(0.006)																	
	2-Chloro-4,6-bis(ethylamino)-*s* -triazine	See 2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine																						
175	2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine (synonym: Simazine or CAT)	122-34-9	1980	0/18	0/6	—	(2)	0/18	0/6	—	(0.1)													175
			1991	0/57	0/19	—	(0.2)	0/54	0/18	—	(0.048)													
176	1-Chlorobutane	109-69-3	1997	0/36	0/12	—	(0.01)	0/36	0/12	—	(0.028)					2/57	1/19	210〜290	(200)					176
			1998													19/37	9/13	38〜1,400	(37)					
177	3-Chloro-*N* -(3-chloro-5-trifluoromethyl-2-pyridyl)-*alpha* ,*alpha* ,*alpha* -trifluoro-2,6-dinitro-*p* -toluidine (synonym: Fluazinam)	79622-59-6	2004	0/45	0/15	—	(0.0092)																	177
	4-Chloro-*o* -cresol	See 4-Chloro-2-methylphenol																						
178	6-Chloro-*m* -cresol	615-74-7	1984	0/24	0/8	—	(0.025〜0.1)	0/24	0/8	—	(0.0015〜0.003)													178
179	6-chloro-*o* -cresol	87-64-9	1984	0/24	0/8	—	(0.015〜0.09)	0/24	0/8	—	(0.001〜0.002)													179
180	Chlorocyclohexane	542-18-7	1977	0/6	0/2	—	(0.02〜10)	0/6	0/2	—	(0.0001〜2)													180
181	Chlorodibromomethane	124-48-1	1980													9/63	3/12	0.1〜1	(0.1〜50)					181
			1981	12/24	4/8	0.01〜3.4	(0.01)	9/24	3/8	0.0013〜0.0068	(0.00006)													
			1983													82/108	12/12	0.08〜3.5	(0.03〜0.5)					
	3-Chloro-1,2-dibromopropane	See 1,2-Dibromo-3-chloropropane																						
182	5-Chloro-2-(2,4-dichlorophenoxy)phenol (synonym: Triclosan)	3380-34-5	1995	0/33	0/11	—	(0.05)	19/24	7/8	0.005〜0.079	(0.0046)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.003)									182
183	2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphates (synonym: CVPlankton or Chlorfenvinphos)	470-90-6	1988	0/72	0/24	—	(0.2)	6/57	2/19	0.006〜0.02	(0.006)	Fish 0/72	Fish 0/21	Fish —	(Fish 0.005)	0/72	0/12	—	(20)					183
183-1	2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (*alpha* -isomer)	470-90-6	1993	0/51	0/17	—	(0.37)	0/51	0/17	—	(0.063)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.046)									183-1
183-2	2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate (*beta* -isomer)	470-90-6	1993	0/51	0/17	—	(0.15)	0/51	0/17	—	(0.03)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.039)									183-2
184	2-Chloro-2,6-diethyl-*N* -(methoxymetyl)acetanilide (synonym: Alachlor)	15972-60-8	2007	3/84	2/12	0.019〜0.031	(0.011)	0/30	0/12	—	(0.0006)													184
185	2-Chloro-2',6'-diethyl-*N* -(2-propoxyethyl)acetanilide (synonym: Pretalachlor)	51218-49-6	2005	29/36	4/4	0.0053〜1.7	(0.0035)					Fish 0/15	Fish 0/5	Fish —	(Fish 0.0011)									185
186	1-Chloro-1,1-difluoroethane (synonym: HCFC-142b)	75-68-3	2003													60/60	20/20	54〜1,100	(3)					186
187	Chlorodifluoromethane (synonym: HCFC-22)	75-45-6	2002													45/45	15/15	340〜4,600	(6)					187
			2003													57/57	19/19	550〜4,500	(6)					
188	1-Chloro-2,4-dinitrobenzene	97-00-7	1978	0/24	0/8	—	(0.2〜0.5)	0/15	0/5	—	(0.007〜0.0167)													188
			2003	0/114	0/38	—	(0.01)																	
	1-Chloro-2,3-epoxypropane	See Epichlorohydrin																						
	3-Chloro-1,2-epoxypropane	See Epichlorohydrin																						
189	Chloroethane	75-00-3	1977	0/3	0/1	—	(0.04)	0/3	0/1	—	(0.0002)													189
			1979													8/48	3/17	43〜20,000	(6〜3,000)					
			1980													7/117	4/22	68〜600	(45〜3,000)					
			1983													56/102	10/12	12〜776	(11〜50)					
			2001													46/48	16/16	14〜540	(6.0)					
190	Chloroethene (synonym: Vinyl chloride)	75-01-4	1975	5/100	1/20	100	(50〜40,000)																	190
			1979													7/45	3/16	22〜4,000	(2〜2,000)					
			1980													10/117	3/22	20〜1,350	(20〜2,000)					
			1997	12/129	5/43	0.014〜0.25	(0.011)	5/120	3/40	0.0038〜0.0050	(0.0035)					40/53	15/18	15〜2,000	(15)					
			1998													31/36	12/13	16〜1,300	(14)					
191	2-Chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine (synonym: Atrazine)	1912-24-9	1991	0/57	0/19	—	(0.13)	0/51	0/17	—	(0.027)													191
			2006									Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.00038) (Fish 0.00038) (Birds 0.00038)									
			2008	19/48	19/48	0.00034〜0.0034	(0.00029)	12/173	10/59	0.00014〜0.0041	(0.00013)													
192	2-(4-Chloro-6-ethylamino-1,3,5-triazin-2-yl)amino-2-methylpropiononitrile (synonym: Cyanazine)	21725-46-2	2006	16/21	6/7	0.0004〜0.0025	(0.0004)									0/15	0/5	—	(0.4)					192
193	2-Chloroethyl vinyl ether	110-75-8	1984	0/24	0/8	—	(0.04〜0.2)	0/24	0/8	—	(0.005〜0.006)													193
194	3-Chloro-4-fluoronitrobenzene	350-30-1	1992													0/30	0/10	—	(140)					194
195	Chloroform	67-66-3	1974	21/60	5/12	1.4〜70	(0.2〜5)													Precipitation 6/18	3/7	0.01〜0.118ppm	(0.0002)	195
			1975	86/395	20/79	0.09〜17	(0.08〜1)													Precipitation 25/114	18/56	0.1〜43μg/L	(0.08〜1)	
			1979													22/44	9/16	23〜5,000	(20〜1,000)					
			1980													57/132	15/24	17〜4,600	(14〜1,000)					
			1983													88/108	12/12	10〜2,200	(10〜100)					

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^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			
			1988	6/51	2/17	0.2〜0.3	(0.1〜1.3)	0/51	0/17	—	(0.0008〜0.03)					W.S. 14/15 C.S. 13/15	W.S. 7/7 C.S. 6/7	W.S. 130〜3,000 C.S. 110〜3,700	(W.S. 5〜1,000) (C.S. 5〜1,000)					
			1989													24/38	10/13	37〜6,900	(5〜500)					
			1990													128/128	19/19	18〜12,000	(10)					
			1991													136/136	21/21	37〜5,300	(10)	Outdoor air 26/26 Indoor air 79/81 Food 68/81	Outdoor air 9/9 Indoor air 9/9 Food 9/9	Outdoor air 130〜3,200ng/m^3 Indoor air 79〜12,000ng/m^3 Food 1.6〜19ng/g-wet	(Outdoor air 50) (Indoor air 50) (Food 1.5)	
			1992													132/148	21/22	100〜3,200	(100)	Outdoor air 21/27 Indoor air 81/81 Food 58/81	Outdoor air 8/9 Indoor air 9/9 Food 9/9	Outdoor air 160〜1,900ng/m^3 Indoor air 8〜7,500ng/m^3 Food 1.7〜20ng/g-wet	(Outdoor air 100) (Indoor air 5) (Food 1.5)	
			1993													107/108	27/27	50〜3,000	(50)	Outdoor air 23/23 Indoor air 81/81 Food 73/74	Outdoor air 8/8 Indoor air 9/9 Food 9/9	Outdoor air 180〜2,400ng/m^3 Indoor air 140〜9,200ng/m^3 Food 0.2〜30ng/g-wet	(Outdoor air 4) (Indoor air 4) (Food 0.2)	
			1994													104/113	28/29	50〜2,800	(50)	Outdoor air 24/27 Indoor air 75/81 Food 55/81	Outdoor air 8/9 Indoor air 9/9 Food 8/9	Outdoor air 77〜2,800ng/m^3 Indoor air 110〜3,400ng/m^3 Food 1.6〜19ng/g-wet	(Outdoor air 70) (Indoor air 100) (Food 1.5)	
			1995													98/113	27/29	53〜7,700	(50)	Outdoor air 27/27 Indoor air 80/81 Food 63/81	Outdoor air 9/9 Indoor air 9/9 Food 8/9	Outdoor air 60〜4,400ng/m^3 Indoor air 30〜14,000ng/m^3 Food 1.5〜12.6ng/g-wet	(Outdoor air 4) (Indoor air 20) (Food 1.5)	
			1996													114/126	29/32	57〜22,000	(50)	Outdoor air 32/36 Indoor air 72/81 Food 60/81	Outdoor air 8/9 Indoor air 8/9 Food 9/9	Outdoor air 68〜22,000ng/m^3 Indoor air 83〜94,000ng/m^3 Food 1.5〜20ng/g-wet	(Outdoor air 50) (Indoor air 15) (Food 1.5)	
			1997													122/134	33/34	80〜5,000	(50)	Outdoor air 35/35 Indoor air 79/79 Food 67/81	Outdoor air 9/9 Indoor air 9/9 Food 9/9	Outdoor air 170〜5,000ng/m^3 Indoor air 68〜5,700ng/m^3 Food 1.6〜12ng/g-wet	(Outdoor air 50) (Indoor air 10) (Food 1.5)	
			1998													126/126	33/33	46〜11,000	(44)	Outdoor air 33/33 Indoor air 81/81 Food 65/81	Outdoor air 9/9 Indoor air 9/9 Food 9/9	Outdoor air 60〜11,000ng/m^3 Indoor air 150〜18,000ng/m^3 Food 1.6〜14ng/g-wet	(Outdoor air 44) (Indoor air 10) (Food 1.5)	
			1999													121/121	31/31	25〜4,600	(20)	Outdoor air 32/32 Indoor air 72/72 Food 62/72	Outdoor air 8/8 Indoor air 8/8 Food 8/8	Outdoor air 25〜4,600ng/m^3 Indoor air 200〜5,600ng/m^3 Food 1.5〜18ng/g-wet	(Outdoor air 20) (Indoor air 10) (Food 1.5)	
			2000													116/116	30/30	69〜17,200	(20)	Outdoor air 30/30 Indoor air 72/72 Food 58/72	Outdoor air 8/8 Indoor air 8/8 Food 8/8	Outdoor air 120〜17,000ng/m^3 Indoor air 150〜23,000ng/m^3 Food 1.6〜52ng/g-wet	(Outdoor air 20) (Indoor air 10) (Food 1.5)	
			2001													118/119	30/30	30〜6,500	(10)	Outdoor air 27/28 Indoor air 62/63 Food 55/63	Outdoor air 7/7 Indoor air 7/7 Food 7/7	Outdoor air 130〜6,500 ng/m^3 Indoor air 21〜12,000 ng/m^3 Food 1.5〜16ng/g-wet	(Outdoor air 10) (Indoor air 10) (Food 1.5)	
196	5'-Chloro-3-hydroxy-2',4'-dimethoxy-2-naphthanilide (synonym: Asoic CC-12)	92-72-8	1984	0/24	0/8	—	(0.1〜0.4)	0/24	0/8	—	(0.01〜0.04)													196
197	5'-Chloro-3-hydroxy-2'-methoxy-2-naphthanilide (synonym: Asoic CC-41)	137-52-0	1984	0/24	0/8	—	(0.1〜0.4)	0/24	0/8	—	(0.01〜0.03)													197
198	4'-Chloro-3-hydroxy-2'-methyl-2-naphthanilide (synonym: Asoic CC-8)	92-76-2	1984	0/24	0/8	—	(0.1〜0.4)	0/24	0/8	—	(0.01〜0.03)													198
199	Chloromethane	74-87-3	1977	0/3	0/1	—	(0.01)	2/3	1/1	0.0002〜0.0003	(0.00005)													199
			1979													30/45	11/16	280〜2,200	(20〜1,000)					
			1980													61/99	15/19	48〜3,000	(14〜1,000)					
			1983													98/101	12/12	77〜4,100	(5〜54)					
			2001													48/48	16/16	750〜16,000	(12)					
	2-Chloro-6-methylaniline	See 6-Chloro-*o*-toluidine																						
200	3-Chloro-4-methylaniline	95-74-9	1981	0/18	0/6	—	(0.03〜15)	0/18	0/6	—	(0.0001〜1)													200
	4-Chloro-2-methylaniline	See 4-Chloro-*o*-toluidine																						
	Chloromethyloxirane	See Epichlorohydrin																						
	2-Chloro-5-methylphenol	See 6-Chloro-*m*-cresol																						
	2-Chloro-6-methylphenol	See 6-Chloro-*o*-cresol																						
201	4-Chloro-2-methylphenol	1570-64-5	1984	0/24	0/8	—	(0.020〜0.09)	0/24	0/8	—	(0.001〜0.002)													201
202	4-Chloro-3-methylphenol	59-50-7	1984	0/24	0/8	—	(0.025〜0.1)	0/24	0/8	—	(0.0015〜0.003)													202
203	1-Chloro-2-methylpropene	513-37-1	1980	0/36	0/12	—	(1〜20)	0/36	0/12	—	(0.0001〜0.1)													203
			2006	0/15	0/5	—	(0.0014)	0/15	0/5	—	(0.00013)													
204	3-Chloro-2-methylpropene	563-47-3	1980	0/30	0/10	—	(1〜20)	0/30	0/10	—	(0.0001〜0.1)													204
205	4-Chloro-2-nitroaniline	89-63-4	1978	0/24	0/8	—	(0.1〜0.88)	0/15	0/5	—	(0.02〜0.0292)													205
	1-Chloro-2-nitrobenzene	See 2-Chloronitrobenzene																						
	1-Chloro-3-nitrobenzene	See 3-Chloronitrobenzene																						

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^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			
	1-Chloro-4-nitrobenzene	See 4-Chloronitrobenzene																						
206	2-Chloronitrobenzene	88-73-3	1975	0/95	0/19	—	(100)																	206
			1991	0/156	0/52	—	(0.3)	0/162	0/54	—	(0.023)	Fish 0/138	Fish 0/46	Fish —	(Fish 0.0075)	3/54	1/18	14～45	(7)					
			2007	0/24	0/8	—	(0.0023)																	
			2008					0/45	0/15	—	(0.00022)					0/27	0/9	—	(1.2)					
207	3-Chloronitrobenzene	121-73-3	1994	0/27	0/9	—	(0.05)	0/27	0/9	—	(0.015)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.003)	0/27	0/9	—	(5)					207
			2003	0/72	0/24	—	(0.05)	0/60	0/20	—	(0.0032)													
208	4-Chloronitrobenzene	100-00-5	1975	0/95	0/19	—	(100)																	208
			1978	0/24	0/8	—	(0.05～0.075)	0/15	0/5	—	(0.002～0.0025)													
			1991	0/156	0/52	—	(0.3)	0/162	0/54	—	(0.04)	Fish 0/138	Fish 0/46	Fish —	(Fish 0.0075)	5/54	2/18	3.6～110	(3)					
			2001	0/150	0/50	—	(0.087)	0/144	0/48	—	(0.0022)													
			2002									Fish 0/25	Fish 0/9	Fish —	(Fish 0.0078)									
	o -Chloronitrobenzene	See 2-Chloronitrobenzene																						
	m -Chloronitrobenzene	See 1-Chloro-3-nitrobenzene																						
	p -Chloronitrobenzene	See *p* -Nitrochlorobenzene																						
209	2-Chloro-5-nitrobenzenesulphonic acid	96-73-1	1979	0/30	0/10	—	(2～20)	0/30	0/10	—	(0.05～0.4)													209
	4-Chloro-3-nitro-*alpha* ,*alpha* ,*alpha* -trifluorotoluene	See 4-Chloro-*alpha* ,*alpha* ,*alpha* -trifluoro-3-nitrotoluene																						
	Chloropentabromocyclohexane	See 1,2,3,4,5-Pentabromo-6-chlorocyclohexane																						
210	2-Chlorophenol	95-57-8	1978	0/24	0/8	—	(0.2～40)	0/24	0/8	—	(0.1～4)													210
			1996	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.009)													
211	3-Chlorophenol	108-43-0	1978	0/24	0/8	—	(2～40)	0/24	0/8	—	(0.05～4)													211
			1996	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.0095)													
212	4-Chlorophenol	106-48-9	1978	0/24	0/8	—	(2～40)	0/24	0/8	—	(0.05～4)													212
			1996	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.009)													
			2008	2/102	2/34	0.0017～0.0027	(0.0017)																	
	m -Chlorophenol	See 3-Chlorophenol																						
213	*O* -(6-Chloro-3-phenyl-4-pyridazinyl) *S* -*n* -octyl thiocarbonate (synonym: Pyridate)	55512-33-9	2006	0/15	0/5	—	(0.004)									0/15	0/5	—	(0.20)					213
	Chloropicrin	See Trichloronitromethane																						
214	Chloroprene	126-99-8	1977	0/6	0/2	—	(2)																	214
215	1-Chloropropane	540-54-5	1981	0/27	0/9	—	(0.2～8)	0/27	0/9	—	(0.001～0.004)													215
216	2-Chloropropane	75-29-6	1981	0/27	0/9	—	(0.2～8)	0/27	0/9	—	(0.001～0.004)													216
217	1-Chloro-2-propanone	78-95-5	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.06)													217
218	3-Chloropropene	107-05-1	1977	0/6	0/2	—	(5)																	218
219	2-Chloropropionic acid	598-78-7	2006	0/15	0/5	—	(0.006)									12/15	4/5	0.4～1.4	(0.4)					219
220	2-chloropyridine	109-09-1	1980	0/21	0/7	—	(2～20)	0/21	0/7	—	(0.01～0.2)													220
221	*o* -Chlorostyrene	2039-87-4	1981	0/27	0/9	—	(10)	0/27	0/9	—	(0.2)													221
222	*m* -Chlorostyrene	2039-85-2	1981	0/27	0/9	—	(25)	0/27	0/9	—	(0.5)													222
223	*p* -Chlorostyrene	1073-67-2	1981	0/27	0/9	—	(5)	0/27	0/9	—	(0.1)													223
	Chlorothalonil	See Tetrachloroisophthalonitrile																						
224	4-Chlorotoluene	106-43-4	1979	0/18	0/6	—	(0.006～1)	0/18	0/6	—	(0.00012 ～0.02)													224
			1989	0/66	0/22	—	(0.5)	0/66	0/22	—	(0.011)					0/24	0/8	—	(30)					
	alpha -Chlorotoluene	See Benzyl chloride																						
225	*o* -Chlorotoluene	95-49-8	1979	0/18	0/6	—	(0.006～1)	0/18	0/6	—	(0.00012 ～0.02)													225
			1989	0/66	0/22	—	(0.3)	0/66	0/22	—	(0.011)					2/21	2/7	13.4～15	(10)					
			2007	0/54	0/18	—	(0.0016)																	
	p -Chlorotoluene	See 4-Chlorotoluene																						
226	4-Chloro-*o* -toluidine	95-69-2	1981	0/18	0/6	—	(0.03～15)	0/18	0/6	—	(0.0001～1)													226
227	6-Chloro-*o* -toluidine	87-63-8	1981	0/18	0/6	—	(0.015～7.5)	0/18	0/6	—	(0.0005～0.5)													227
	2-(4-Chloro-*o* -tolyloxy)propanoic acid	See MCPP																						
228	(*Z*)-2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate (synonym: CVMP)	22248-79-9	2006	0/24	0/8	—	(0.0010)									0/15	0/5	—	(0.4)					228
229	2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate	961-11-5	1988	0/72	0/24	—	(0.5)	0/72	0/24	—	(0.0103)	Fish 0/72	Fish 0/21	Fish —	(Fish 0.02)	0/72	0/12	—	(20)					229
230	3-Chlorotriclosan	63709-57-9	1995	0/33	0/11	—	(0.04)	3/33	1/11	0.009	(0.005)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.003)									230
231	5-Chlorotriclosan	3380-44-7	1995	0/33	0/11	—	(0.06)	3/33	1/11	0.01	(0.005)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.003)									231
232	Chlorotrifluoromethane (synonym: CFC-13)	75-72-9	2006	0/15	0/5	—	(0.003)																	232
233	4-Chloro-*alpha* ,*alpha* ,*alpha* -trifluoro-3-nitrotoluene	121-17-5	1981	0/24	0/8	—	(0.2～1)	0/24	0/8	—	(0.002～0.01)													233
	Chlorpyrifos	See *O* ,*O* -Diethyl *O* -(3,5,6-trichloro-2-pyridyl) thiophosphate																						
234	Chrysene	218-01-9	1999													37/37	13/13	0.26～3.9	(0.12)					234
	CNP	See Chlornitrofen																						
235	Cobalt and its compounds (as Cobalt)	7440-48-4 etc.	1975	0/100	0/20	—	(10,000)	76/80	16/16	900～15,900	(～1,000)	Fish 2/75	Fish 2/15	Fish 120～200	(Fish 100～1,000)									235
			2011	20/20	20/20	0.0053～9.1	(0.0048)																	
236	Complex compound of 2,4-Dinitro-6-octylphenyl crotonate and 2,6-Dinitro-4-octylphenyl crotonate (limited to compounds with octyl group of 1-methyl heptyl, 1-ethylhexyl, or 1-Propyl pentyl) (synonym: Dinocap or DPC)	131-72-6	2006													3/15	1/5	0.25～0.29	(0.19)					236
237	*o* -Cresol	95-48-7	1977	0/9	0/3	—	(0.2～10)	0/9	0/3	—	(0.02～0.1)													237
			2009													39/60	17/20	12～74	(12)					
238	*m* -Cresol	108-39-4	1977	0/9	0/3	—	(0.2～10)	0/9	0/3	—	(0.02～0.1)													238
			2009													42/60	18/20	8.7～44	(6.8)					
239	*p* -Cresol	106-44-5	1977	0/9	0/3	—	(0.2～10)	3/9	1/3	0.02～0.03	(0.02～0.1)													239
			1996	1/33	1/11	0.67	(0.4)	9/27	3/9	0.028～1.23	(0.028)													
			2009													46/60	19/20	7.7～67	(6.8)					
	Cresyl diphenyl phosphate	See Diphenyl tolyl phosphate																						

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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			
	Crotonaldehyde	See 2-Butenal																						
240	Cumene (synonym: Isopropylbenzene	98-82-8	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													240
			1985	0/27	0/9	—	(0.04)	1/27	1/9	0.0006	(0.0006)													
			1986	8/135	5/46	0.09～0.44	(0.03)	6/111	5/37	0.00058～0.011	(0.0005)	Fish 12/138	Fish 9/42	Fish 0.0005～0.0014	(Fish 0.0005)									
			2009													60/63	20/21	5.1～990	(2.9)					
	Curene	See Isopropylbenzene																						
	CVMP	See 2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphat																						
	CVP	See 2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate																						
241	*alpha* -Cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate (synonym: Fenvalerate)	51630-58-1	(2007)	0/84	0/12	—	(0.0026*)																	241
			(2008)					0/81	0/27	—	(0.0015*)													
	(Total of *S* ,*R* -isomer and *R* ,*S* -isomer)		2007	0/84	0/12	—	(0.0015)																	
			2008					0/81	0/27	—	(0.00077)													
	Total of *S* ,*S* -isomer and *R* ,*R* -isomer)		2007	0/84	0/12	—	(0.0011)																	
			2008					0/81	0/27	—	(0.00074)													
241-1	(*S*)-*alpha* -Cyano-3-phenoxybenzyl (*S*)-2-(4-chlorophenyl)-3-methylbutyrate (synonym: Esfenvalerate)	66230-04-4	2007	0/84	0/12	—	(0.0023)																	241-1
242	*alpha* -Cyano-3-phenoxybenzyl 2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate (synonym: Cycroprothrin	63935-38-6	2006	3/14	1/5	0.012～0.12	(0.006)									0/15	0/5	—	(23)					242
243	[1*alpha* (*S* *),3*alpha*]-(+/-)-Cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate (synonym: *alpha* -Cypermethrin)	67375-30-8	2006	0/30	0/10	—	(0.01)																	243
	2-Cyanopyridine	See 2-Pyridinecarbonitrile																						
244	3-Cyanopyridine	100-54-9	1984	0/24	0/8	—	(1～4)	0/24	0/8	—	(0.05～0.2)													244
	4-Cyanopyridine	See 4-Pyridinecarbonitrile																						
245	Cyclohexanamine	108-91-8	1982	8/15	3/5	0.06～0.18	(0.06～0.5)	6/15	2/5	0.005～0.020	(0.004～0.005)													245
			1983	2/126	1/42	0.9～1.1	(0.3～2)	3/126	1/42	0.032～0.041	(0.01～0.08)	Fish 3/123	Fish 2/38	Fish 0.090～0.11	(Fish 0.015～0.1)									
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
	N -Cyclohexyl benzothiazole sulfenamide	See *N* -Cyclohexyl-2-benzothiazolesulfenamide																						
249	*N* -Cyclohexyl-2-benzothiazolesulfenamide	95-33-0	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
	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)													251
	2,4-D	See 2,4-Dichlorophenoxy acetic acid																						
	Dazomet	See 2-Thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazin																						
	DCIP	See Bis(2-chloro-1-methylethyl) ethe																						
	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)									

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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			
			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)									
			2002	113/114	38/38	0.00000021～ 0.00011	(0.00000020)	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～ 0.0000097	(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 0.0000002) (Fish 0.0000002) (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)					
	p,p′-DDD	See 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane																						
253	*o,p′*-DDE	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

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^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			
			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)									
			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	0.0000006～0.00017	(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 0.00000089～ 0.0058 Birds 0.0000021～ 0.0000037	(Bivalves 0.00000069) (Fish 0.00000069) (Birds 0.00000069)	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	0.0000004～0.00041	(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)					

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^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			
			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	0.0000008～0.00021	(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	0.0000004～0.00026	(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	(0.00000009)	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. 0.000072～0.023	(W.S. 0.000006) (C.S. 0.000006)					
			2010	49/49	49/49	0.00000013～0.00018	(0.00000009)	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 1/2	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)	Fish 43/49	Fish 10/10	Fish 0.0006～0.131	(Fish 0.0002 ～0.005)									254
			1978									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										
			1979									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)									
			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)									

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^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			
			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	(0.0000002)	189/189	63/63	0.0000084～0.023	(0.0000009)	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 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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	(0.0000003)	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 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0012～0.051 C.S. 0.0011～0.022	(W.S. 0.00013) (C.S. 0.00013)					
			2004	38/38	38/38	0.000006～0.00068	(0.000003)	189/189	63/63	0.000008～0.039	(0.0000008)	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 0.0000027) (Fish 0.0000027) (Birds 0.0000027)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00062～0.095 C.S. 0.00085～0.043	(W.S. 0.000039) (C.S. 0.000039)					
			2005	47/47	47/47	0.000004～0.00041	(0.000002)	189/189	63/63	0.0000084～0.064	(0.00000094)	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 0.0000028) (Fish 0.0000028) (Birds 0.0000028)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0012～0.042 C.S. 0.00076～0.0099	(W.S. 0.000034) (C.S. 0.000034)					
			2006	48/48	48/48	0.000004～0.00017	(0.000002)	192/192	64/64	0.0000058～0.049	(0.0000003)	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 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0017～0.049 C.S. 0.00052～0.0095	(W.S. 0.00003) (C.S. 0.00003)					
			2007	48/48	48/48	0.000002～0.00044	(0.000002)	192/192	64/64	0.0000032～0.061	(0.0000004)	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 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00054～0.12 C.S. 0.00073～0.039	(W.S. 0.00002) (C.S. 0.00002)					
			2008	48/48	48/48	0.0000025～0.00035	(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	*o,p'*-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)									

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^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			
			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	0.00000019～0.000077	(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 0.000005～0.000058	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	102/102	34/34	0.00041～0.040	(0.00005)					
			2003	36/36	36/36	0.0000015～0.00010	(0.0000007)	185/186	62/62	0.0000006～0.0032	(0.0000003)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000035～0.00048 Fish 0.0000029～0.00052 Birds 0.0000083～0.000066	(Bivalves 0.00000097) (Fish 0.00000097) (Birds 0.00000097)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00061～0.038 C.S. 0.00043～0.0064	(W.S. 0.000040) (C.S. 0.000040)					
			2004	29/38	29/38	0.0000020～0.000085	(0.000002)	189/189	63/63	0.0000011～0.017	(0.0000006)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000020～0.00091 Fish 0.0000037～0.0018 Birds 0.00000087～0.000043	(Bivalves 0.00000061) (Fish 0.00000061) (Birds 0.00000061)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00054～0.022 C.S. 0.00035～0.0094	(W.S. 0.000031) (C.S. 0.000031)					
			2005	42/47	42/47	0.000001～0.000039	(0.000001)	189/189	63/63	0.0000008～0.16	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000029～0.00044 Fish 0.0000058～0.0015 Birds 0.0000034～0.000024	(Bivalves 0.00000086) (Fish 0.00000086) (Birds 0.00000086)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00067～0.014 C.S. 0.00032～0.0030	(W.S. 0.000034) (C.S. 0.000034)					
			2006	48/48	48/48	0.00000051～0.000052	(0.0000008)	192/192	64/64	0.0000008～0.018	(0.0000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000024～0.00038 Fish 0.000006～0.00070 Birds 0.000003～0.00012	(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. 0.00055～0.020 C.S. 0.00037～0.0039	(W.S. 0.00003) (C.S. 0.00003)					
			2007	38/48	38/48	0.0000008～0.000086	(0.0000008)	186/192	63/64	0.0000009～0.027	(0.0000006)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000020～0.00035 Fish 0.000003～0.00043 Birds 0.000002～0.000026	(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. 0.00024～0.019 C.S. 0.00031～0.0034	(W.S. 0.00001) (C.S. 0.00001)					
			2008	44/48	44/48	0.0000006～0.00023	(0.0000005)	192/192	64/64	0.0000007～0.14	(0.0000006)	Bivalves 31/31 Fish 85/85 Birds 8/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000005～0.00033 Fish 0.000003～0.00072 Birds 0.000001～0.000016	(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. 0.00033～0.018 C.S. 0.00032～0.0065	(W.S. 0.00001) (C.S. 0.00001)					
			2009	49/49	49/49	0.00000043～0.00010	(0.00000006)	190/192	64/64	0.0000006～0.10	(0.0000005)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000017～0.0025 Fish 0.0000024～0.00047 Birds 0.0000014～0.000012	(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. 0.00033～0.014 C.S. 0.00020～0.0037	(W.S. 0.000008) (C.S. 0.000008)					
			2010	43/49	43/49	0.00000043～0.00070	(0.0000005)	64/64	64/64	0.0000014～0.013	(0.0000004)	Bivalves 6/6 Fish 18/18 Birds 0/2	Bivalves 6/6 Fish 18/18 Birds 0/2	Bivalves 0.000015～0.00016 Fish 0.000005～0.00055 Birds －	(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. 0.00019～0.026 C.S. 0.00022～0.0055	(W.S. 0.00005) (C.S. 0.00005)					
	p,p'-DDT	See 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane																						
	DDVP	See Dimethyl 2,2-dichlorovinyl phosphate																						
	Decabromobiphenyl	See Polybromobiphenyls (Decabromobiphenyl																						
256	*cis* -Decahydronaphthalene	91-17-8	1984	0/18	0/6	－	(0.02～0.1)	0/18	0/6	－	(0.005～0.022)													256
257	*trans* -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																						

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^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			
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 Dimethy 2,2,2-trichloro-1-hydroxyethylphosphonat																						
	Diallylamine	See *N*-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-*m*-phenylenediamine																						
	o-Dianisidine	See 3,3'-Dimethoxybenzidine																						
	Diazinon	See *O*,*O*-Diethyl *O*-(2-isopropyl-6-methyl-4-pyrimidinyl) thiophospha																						
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)									
			2005	0/47	0/47	—	(0.0020)	173/189	61/63	0.00020〜0.23	(0.00020)	Bivalves 9/31 Fish 27/80 Birds 0/10	Bivalves 4/7 Fish 7/16 Birds 0/2	Bivalves 0.0001〜0.0032 Fish 0.0001〜0.0008 Birds —	(Bivalves 0.0001) (Fish 0.0001) (Birds 0.0001)									
			2008	13/48	13/48	0.00058〜0.0039	(0.00055)	169/192	61/64	0.00016〜0.079	(0.00015)	Bivalves 14/31 Fish 36/85 Birds 0/10	Bivalves 6/7 Fish 11/17 Birds 0/2	Bivalves 0.000098〜0.0013 Fish 0.000084〜0.00086 Birds —	(Bivalves 0.000082) (Fish 0.000082) (Birds 0.000082)									
	p,*p*'-Dibenzoylquinone dioxime	See *p*-Benzoquinone bis(*O*-benzoyloxime)																						
266	Dibenzyl ether (synonym: [(benzyloxy)methyl]benzene	103-50-4	1984	3/21	1/7	0.005〜0.007	(0.005 〜0.03)	9/21	3/7	0.0006〜0.0057	(0.0005〜0.0066)													266
			2007	3/24	1/8	0.0052〜0.0083	(0.0019)	6/17	3/6	0.00018〜0.021	(0.00018)													
			2008													8/17	3/6	0.14〜0.59	(0.12)					
267	Dibenzyltoluenes	26898-17-9	1977	0/15	0/5	—	(10〜40)	0/15	0/5	—	(0.5〜4)													267
			(2007)	13/39	8/13	0.00049〜0.0053	(0.0014*)	26/33	9/11	0.0011〜0.74	(0.00066*)	Fish &Birds 15/30	Fish &Birds 5/10	Fish &Birds 0.000058〜0.036	(Fish &Birds 0.00065*)									
267-1	Dibenzyltoluene (Dta****)		2007	8/39	6/13	0.00013〜0.00073	(0.00013)	24/33	9/11	0.00039〜0.12	(0.000075)	Fish &Birds 9/30	Fish &Birds 3/10	Fish &Birds 0.00021〜0.010	(Fish &Birds 0.000093)									267-1
267-2	Dibenzyltoluene (Dtb****)		2007	5/39	5/13	0.00024〜0.00063	(0.00022)	16/33	9/11	0.00056〜0.061	(0.00010)	Fish &Birds 6/30	Fish &Birds 2/10	Fish &Birds 0.00025〜0.0029	(Fish &Birds 0.00016)									267-2
267-3	Dibenzyltoluene (Dtc****)		2007	5/39	3/13	0.00027〜0.0015	(0.00024)	25/33	9/11	0.00029〜0.21	(0.000076)	Fish &Birds 9/30	Fish &Birds 3/10	Fish &Birds 0.00033〜0.0088	(Fish &Birds 0.00013)									267-3
267-4	Dibenzyltoluene (Dtd****)		2007	3/39	1/13	0.00011〜0.00036	(0.000090)	22/33	9/11	0.00011〜0.056	(0.000040)	Fish &Birds 8/30	Fish &Birds 3/10	Fish &Birds 0.000087〜0.0025	(Fish &Birds 0.000056)									267-4
267-5	Dibenzyltoluene (Dte****)		2007	6/39	4/13	0.00018〜0.00059	(0.00017)	23/33	9/11	0.00016〜0.085	(0.000079)	Fish &Birds 13/30	Fish &Birds 5/10	Fish &Birds 0.000040〜0.0044	(Fish &Birds 0.000033)									267-5
267-6	Dibenzyltoluene (Dtf****)		2007	7/39	5/13	0.000087〜0.00033	(0.000071)	22/33	9/11	0.00010〜0.041	(0.00010)	Fish &Birds 15/30	Fish &Birds 5/10	Fish &Birds 0.000047〜0.0017	(Fish &Birds 0.000044)									267-6
267-7	Dibenzyltoluene (Dtg****)		2007	3/39	3/13	0.00035〜0.00038	(0.00035)	22/33	9/11	0.000072〜0.050	(0.000059)	Fish &Birds 11/30	Fish &Birds 5/10	Fish &Birds 0.000043〜0.0015	(Fish &Birds 0.000035)									267-7
268	1,3-Dibromobenzene	108-36-1	1981	0/18	0/6	—	(0.02〜0.05)	0/18	0/6	—	(0.0005)													268
269	1,4-Dibromobenzene	106-37-6	1981	0/18	0/6	—	(0.04〜0.1)	0/18	0/6	—	(0.001)													269
270	*o*-Dibromobenzene	583-53-9	1981	0/18	0/6	—	(0.01 〜0.05)	0/18	0/6	—	(0.0002〜0.0005)													270
	m-Dibromobenzene	See 1,3-Dibromobenzene																						
	p-Dibromobenzene	See 1,4-Dibromobenzene																						
271	4,4'-Dibromobiphenyl	92-86-4	1997	0/156	0/52	—	(0.031)	0/147	0/49	—	(0.003)	Fish 0/156	Fish 0/50	Fish —	(Fish 0.01)									271
272	1,4-Dibromobutane	110-52-1	2006	1/15	1/5	0.0040	(0.0015)																	272
273	1,2-Dibromo-3-chloropropane	96-12-8	1982	0/27	0/9	—	(2〜12)	0/27	0/9	—	(0.012〜0.05)													273
			1989	0/66	0/22	—	(0.2)	0/57	0/19	—	(0.007)					0/36	0/12	—	(20)					
			2005	0/126	0/42	—	(0.0030)																	
	Dibromocresyl glycidyl ether	See [(Dibromomethylphenoxy)methyl]oxiran																						
274	1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate (synonym: BRPlankton or Naled)	300-76-5	1984	0/24	0/8	—	(0.5〜2)	0/24	0/8	—	(0.03〜0.26)													274
275	1,2-Dibromoethane	106-93-4	1976	0/60	0/12	—	(0.2〜75)	0/40	0/10	—	(0.005〜0.17)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.005)									275
			1982	0/27	0/9	—	(0.3〜2)	0/27	0/9	—	(0.0016〜0.01)													
			1983													71/108	10/12	1〜67	(0.3〜1)					
			1997													0/57	0/19	—	(90)					
			1998													0/39	0/13	—	(71)					
276	Dibromoethane	74-95-3	1981	0/15	0/5	—	(0.06)	0/15	0/5	—	(0.0003)													276
277	1,2-Dibromoethylene	540-49-8	1981	0/15	0/5	—	(0.5〜3)	0/15	0/5	—	(0.003〜0.02)													277

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^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			
278	[(Dibromomethylphenoxy)methyl]oxirane	30171-80-3	1977	0/15	0/7	—	(0.05〜0.25)	0/15	0/7	—	(0.006〜0.02)													278
279	1,3-Dibromopropane	109-64-8	2006	0/15	0/5	—	(0.0006)																	279
280	Dibromotetrafluoroethane (synonym: Halon 2402)	124-73-2	2006	0/15	0/5	—	(0.01)																	280
281	Dibutyl adipate	105-99-7	1999	0/36	0/12	—	(0.054)	2/36	1/12	0.022〜0.023	(0.021)													281
282	Dibutylamine	111-92-2	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.05)													282
	Di-*n*-butylamine	See Dibutylamine																						
283	2-(Di-*n*-butylamino)-ethanol	102-81-8	2006	2/15	1/5	0.036〜0.076	(0.025)									0/15	0/5	—	(18)					283
284	6,6'-Di-*tert*-butyl-4,4'-butylidenedi-*m*-cresol	85-60-9	1981	0/21	0/7	—	(0.1〜1)	0/21	0/7	—	(0.01〜0.06)													284
285	2,6-Di-*tert*-butyl-4-*sec*-butylphenol	17540-75-9	2011	0/27	0/27	—	(0.00034)	0/105	0/35	—	(0.00082)	Bivalves & Fish 0/33	Bivalves & Fish 0/11	Bivalves & Fish —	(Bivalves & Fish 0.00041)									285
286	2,4-Di-*tert*-butyl-6-(5-chloro-2*H*-benzotriazol-2-yl)phenol	3864-99-1	1980	0/33	0/11	—	(0.4〜5)	0/33	0/11	—	(0.02〜1)													286
			2005	68/152	25/44	0.000094〜0.028	(0.000093)																	
			2006	7/18	4/6	0.00008〜0.00023	(0.00007)	18/18	6/6	0.00018〜0.041	(0.00010)	Bivalves & Fish 30/30	Bivalves & Fish 10/10	Bivalves & Fish 0.000053〜0.0030	(Bivalves & Fish 0.000004)									
	2,6-Di-*tert*-butyl-*p*-cresol	See 2,6-Di-*tert*-butyl-4-metylphenol																						
287	Dibutyl decanedioate	109-43-3	1981	0/21	0/7	—	(0.8〜4)	0/21	0/7	—	(0.04〜0.4)													287
	Di(butyldiglycol) adipate	See Bis(2-(2-butoxyethoxy)ethyl) adipate																						
288	6,6'-Di-*tert*-butyl-4,4'-dimethyl-2,2'-methylenediphenol	119-47-1	2007	0/30	0/10	—	(0.0070)																	288
	2,6-Di-*tert*-butyl-4-ethylphenol	See 2,6-Bis(1,1-dimethylethyl)-4-ethylpheno																						
289	2,5-Di-*tert*-butyl hydroquinone	88-58-4	1980	0/39	0/13	—	(0.3〜10)	0/39	0/13	—	(0.027〜0.2)													289
290	2,6-Di-*tert*-butyl-4-metylphenol (synonym: BHT)	128-37-0	1976	0/68	0/20	—	(0.4〜5)	10/68	3/20	0.066〜1.69	(0.01〜0.04)													290
			1977	0/117	0/39	—	(0.1〜5)	17/117	7/39	0.008 〜0.41	(0.008〜0.06)	Fish 7/85	Fish 3/29	Fish 0.006〜0.069	(Fish 0.004〜0.12)									
			1985													29/60	8/10	1.2〜20	(1.0〜5)					
			1986		0/18	—			7/18	0.0006〜0.0609														
			1988		3/22	0.008〜0.052			6/22	0.0035〜0.15														
			1989		2/16	0.005〜0.061			5/16	0.0038〜0.075														
			1990		1/18	0.0046			9/18	0.00014〜0.0335														
			1991		2/18	0.011〜0.043			9/18	0.00049〜0.12														
			1992		3/18	0.0066〜0.42			13/18	0.00057〜0.12														
			1993		4/19	0.028〜0.15			15/19	0.00037〜0.090														
			1994		3/17	0.011〜0.030			11/15	0.00019〜0.070														
			1995		2/18	0.025〜0.059			14/18	0.00027〜0.063														
			1996	0/30	0/10	—	(0.3)	1/33	1/11	0.103	(0.09)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.058)	5/18	3/6	37〜70	(32)					
					3/18	0.025〜0.19			11/18	0.00039〜0.073														
			1997		1/18	0.0730			9/18	0.00074〜0.029														
			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)													
									7/20	0.0018〜0.030														
			2005					46/189	23/63	0.00063〜0.027	(0.00060)	Bivalves 29/31 Fish 70/80 Birds 7/10	Bivalves 7/7 Fish 15/16 Birds 2/2	Bivalves 0.0010〜0.011 Fish 0.0010〜0.016 Birds 0.00090〜0.0019	(Bivalves 0.00078) (Fish 0.00078) (Birds 0.00078)	W.S. 84/111 C.S. 76/112	W.S. 33/37 C.S. 29/37	W.S. 3.0〜3,800 C.S. 3.0〜210	(W.S. 2.9) (C.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 Fish 48/85 Birds 5/10	Bivalves 6/7 Fish 14/17 Birds 1/2	Bivalves 0.00053〜0.0018 Fish 0.00050〜0.026 Birds 0.0019〜0.0025	(Bivalves 0.00050) (Fish 0.00050) (Birds 0.00050)	W.S. 33/34 C.S. 32/37	W.S. 77/86 C.S. 75/10	W.S. 1.6〜230 C.S. 1.5〜1,000	(W.S. 1.5) (C.S. 1.5)					
291	2,6-Di-*tert*-butylphenol	128-39-2	1996	0/33	0/11	—	(0.3)	0/33	0/11	—	(0.071)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.04)									291
			2001	0/159	0/53	—	(0.17)	12/153	4/51	0.0024〜0.014	(0.0019)													
	Dibutyl phthalate	See Phthalates (Di-*n*-butyl phthalate)																						
	Dibutyl sebacate	See Dibutyl decanedioate																						
	Dibutyltin compounds	See Organotins (synonym: Dibutyltin compounds																						
	Dichlone	See 2,3-Dichloro-1,4-naphthoquinone																						
292	Dichloroacetic acid	79-43-6	1984	0/21	0/7	—	(2)	0/21	0/7	—	(0.01〜0.02)													292
293	2,3-Dichloroaniline	608-27-5	1984	0/18	0/6	—	(0.01〜0.1)	0/18	0/6	—	(0.0001〜0.012)													293
294	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)													294
			1998	0/39	0/13	—	(0.07)	0/36	0/12	—	(0.008)													
295	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)													295
			1998	0/39	0/13	—	(0.07)	1/36	1/12	0.010	(0.005)													
296	2,6-Dichloroaniline	608-31-1	1984	0/18	0/6	—	(0.1〜1)	0/18	0/6	—	(0.0098〜0.08)													296
297	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)													297
			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)													
298	3,5-Dichloroaniline	626-43-7	1984	0/18	0/6	—	(0.02〜0.1)	0/18	0/6	—	(0.0002〜0.012)													298
299	1,3-Dichlorobenzene (synonym: *m*-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	0/12	—μg/L	(0.1〜2)	299
			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 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.01) (Fish 0.01〜0.02) (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 0.01) (Fish 0.01) (Birds 0.01)									
			1983									Bivalves 0/20 Fish 5/50 Birds 5/10	Bivalves 0/4 Fish 1/10 Birds 1/2	Bivalves — Fish 0.01〜0.02 Birds 0.01〜0.04	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)	24/95	9/12	1〜9.8	(1)					
			1984									Bivalves 0/20 Fish 5/60 Birds 5/10	Bivalves 0/4 Fish 1/12 Birds 1/2	Bivalves — Fish 0.02〜0.09 Birds 0.03〜0.08	(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 1/2	Bivalves — Fish 0.02〜0.06 Birds 0.04〜0.06	(Bivalves 0.01) (Fish 0.01) (Birds 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^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			
			1986		1/18	0.06			4/18	0.0001～0.0020		Bivalves 0/20 Fish 0/60 Birds 2/10	Bivalves 0/4 Fish 0/12 Birds 1/2	Bivalves － Fish － Birds 0.01～0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1987		1/20	0.036			9/20	0.00012～0.0075														
			1988		4/22	0.0035～0.028			3/22	0.00030～0.0023		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		3/17	0.003～0.019			4/17	0.00076～0.014														
			1990		4/18	0.0038～0.022			4/18	0.00027～0.0130		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		3/18	0.00011～0.012			9/18	0.000083～0.017														
			1992		5/18	0.00011～0.025			12/18	0.000075～0.016		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		3/19	0.00013～0.028			15/19	0.000038～0.018														
			1994		2/17	0.017～0.018			10/17	0.000058～0.014		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		4/18	0.0002～0.012			11/18	0.000065～0.021														
			1996		7/18	0.0041～0.046			13/18	0.000046～0.034		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		3/18	0.002～0.049			11/18	0.000021～0.016														
			1998		2/18	0.0035～0.013			9/18	0.0002～0.010														
			1999						6/18	0.00020～0.012		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)	9/33	4/11	23～370	(21)					
			2000						6/17	0.00028～0.0058														
			2001						6/20	0.00011～0.014														
300	*o* -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	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 4/7	Bivalves 0/4 Fish 0/9 Birds 1/1	Bivalves － Fish － Birds 0.01～0.05	(Bivalves 0.01) (Fish 0.01～0.02) (Birds 0.01)									
			1982									Bivalves 0/20 Fish 0/50 Birds 5/9	Bivalves 0/4 Fish 0/10 Birds 2/2	Bivalves － Fish － Birds 0.01	(Bivalves 0.01) (Fish 0.01～0.02) (Birds 0.01)									
			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)																	
			2011	5/31	5/31	0.0075～0.1	(0.0074)																	
	m -Dichlorobenzene	See 1,3-Dichlorobenzene																						
301	*p* -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)	301
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves － Fish －	(Bivalves 0.01) (Fish 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^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			
			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														
			2001						16/20	0.00031～0.18														
			2005	7/24	3/8	0.011～0.055	(0.010)																	
302	3,3'-Dichlorobenzidine	91-94-1	1979	0/21	0/7	－	(0.01～7)	0/21	0/7	－	(0.0003～0.9)													302
			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)													
			2003	1/57	1/19	0.014	(0.010)																	
303	2,6-Dichlorobenzonitrile (synonym: Dichlobenil or DBN)	1194-65-6	2006													21/21	7/7	0.10～0.76	(0.04)					303
304	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)									304
			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)									

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^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			
			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 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000011〜0.0032 Fish 0.000080〜0.014 Birds 0.00014〜0.0039	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)	101/102	34/34	0.000024〜0.00076	(0.000006)					
			2003	36/36	36/36	0.000004〜0.00041	(0.0000005)	186/186	62/62	0.0000037〜0.032	(0.0000003)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000075〜0.0026 Fish 0.000043〜0.0037 Birds 0.00011〜0.0039	(Bivalves 0.0000033) (Fish 0.0000033) (Birds 0.0000033)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000063〜0.0014 C.S. 0.000037〜0.00052	(W.S. 0.000018) (C.S. 0.000018)					
			2004	38/38	38/38	0.0000024〜0.00074	(0.0000008)	189/189	63/63	0.000004〜0.075	(0.0000007)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000078〜0.0089 Fish 0.000056〜0.0097 Birds 0.000052〜0.0014	(Bivalves 0.00000070) (Fish 0.00000070) (Birds 0.00000070)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000036〜0.0014 C.S. 0.000025〜0.00091	(W.S. 0.000018) (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 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000013〜0.0017 Fish 0.000029〜0.0067 Birds 0.000045〜0.0014	(Bivalves 0.00000097) (Fish 0.00000097) (Birds 0.00000097)	W.S. 37/37 C.S. 28/37	W.S. 37/37 C.S. 28/37	W.S. 0.00007〜0.0013 C.S. 0.00005〜0.00029	(W.S. 0.00005) (C.S. 0.00005)					
			2006	48/48	48/48	0.0000020〜0.000099	(0.0000005)	192/192	64/64	0.0000022〜0.053	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000073〜0.0014 Fish 0.000060〜0.0043 Birds 0.000055〜0.0018	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 36/37 C.S. 36/37	W.S. 36/37 C.S. 36/37	W.S. 0.00005〜0.0013 C.S. 0.00004〜0.00099	(W.S. 0.00004) (C.S. 0.00004)					
			2007	48/48	48/48	0.0000015〜0.00015	(0.0000006)	192/192	64/64	0.0000035〜0.08	(0.0000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000007〜0.0015 Fish 0.000036〜0.0041 Birds 0.00007〜0.0023	(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. 0.000046〜0.0014 C.S. 0.000026〜0.00050	(W.S. 0.000004) (C.S. 0.000004)					
			2008	48/48	48/48	0.0000020〜0.00085	(0.0000002)	192/192	64/64	0.0000028〜0.30	(0.0000004)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000006〜0.0013 Fish 0.000033〜0.0041 Birds 0.000035〜0.0011	(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. 0.000037〜0.0011 C.S. 0.000036〜0.00031	(W.S. 0.000009) (C.S. 0.000009)					
			2009	49/49	49/49	0.0000014〜0.00014	(0.0000002)	192/192	64/64	0.0000039〜0.30	(0.0000002)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000058〜0.0024 Fish 0.000057〜0.0025 Birds 0.000031〜0.0034	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00003〜0.00082 C.S. 0.00002〜0.00035	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.0000016〜0.00097	(0.00000008)	64/64	64/64	0.0000044〜0.078	(0.0000005)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000011〜0.00096 Fish 0.000057〜0.0029 Birds 0.00012〜0.0016	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00004〜0.0017 C.S. 0.00002〜0.00041	(W.S. 0.00001) (C.S. 0.00001)					
305	Dichlorobromomethane	75-27-4	1980													9/81	3/16	0.1〜1.9	(0.1〜50)					305
			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)													
306	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)					306

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^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			
			1998													1/36	1/12	80	(60)					
307	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)													307
			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																						
308	Dichlorodifluoromethane (synonym: CFC-12)	75-71-8	1976													45/115	13/27	310〜3,300	(250〜1,000)					308
			1977													38/97	26/45	43〜1,200	(19〜2,000)					
309	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)					309
310	1,1-Dichloroethane	75-34-3	1977	0/3	0/1	—	(0.05)	0/3	0/1	—	(0.0003)													310
			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)					
311	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)									311
			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^3 Indoor air 6〜1,200ng/m^3 Food —ng/g-wet	(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 15〜1,800 ng/m^3 Indoor air 8.1〜1,700 ng/m^3 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 5〜390 ng/m^3 Indoor air 4.5〜370ng/m^3 Food 5.4〜6.3ng/g-wet	(Outdoor air 5) (Indoor air 2.9) (Food 1)	
			1997													96/97	31/32	10〜2,700	(5)	Outdoor air 26/27 Indoor air 73/79 Food 3/81	Outdoor air 8/9 Indoor air 9/9 Food 1/9	Outdoor air 10〜1,200ng/m^3 Indoor air 13〜1,850 ng/m^3 Food 1.6〜1.9ng/g-wet	(Outdoor air 5) (Indoor air 8) (Food 1)	
			1998													102/102	32/32	4.8〜1,200	(4)	Outdoor air 28/28 Indoor air 73/73 Food 0/81	Outdoor air 9/9 Indoor air 9/9 Food 0/9	Outdoor air 22〜1,200ng/m^3 Indoor air 11〜410ng/m^3 Food —ng/g-wet	(Outdoor air 4) (Indoor air 10) (Food 1)	
			1999													101/101	31/31	1.6〜1,100	(1.2)	Outdoor air 27/27 Indoor air 71/72 Food 0/72	Outdoor air 8/8 Indoor air 8/8 Food 0/8	Outdoor air 1.6〜540ng/m^3 Indoor air 9.2〜410ng/m^3 Food —ng/g-wet	(Outdoor air 1.2) (Indoor air 5) (Food 1)	
			2000													84/84	29/29	8.1〜380	(1.2)	Outdoor air 26/26 Indoor air 70/70	Outdoor air 8/8 Indoor air 8/8	Outdoor air 9.0〜380ng/m^3 Indoor air 2〜1,100ng/m^3	(Outdoor air 1.2) (Indoor air 1)	
			2001													97/98	28/28	2.3〜620	(0.9)	Outdoor air 24/24 Indoor air 52/54	Outdoor air 7/7 Indoor air 7/7	Outdoor air 9.3〜430ng/m^3 Indoor air 9.1〜300ng/m^3	(Outdoor air 0.9) (Indoor air 6.4)	
312	1,1-Dichloroethene	75-35-4	1979	0/21	0/7	—	(0.028〜0.3)	0/21	0/7	—	(0.0003〜0.002)													312
313	1,2-Dichloroethenes	156-59-2 156-60-5	(1987)													19/73	7/12	10〜160	(10)					313
313-1	*cis*-Dichloroethylene	156-59-2	1977	0/3	0/1	—	(0.06)	0/3	0/1	—	(0.0003)													313-1
			1987	24/66	8/22	0.005〜0.54	(0.005)	1/69	1/23	0.00033	(0.0002)													
313-2	*trans*-1,2-Dichloroethylene	156-60-5	1977	0/3	0/1	—	(0.03)	0/3	0/1	—	(0.0002)													313-2
			1987	6/78	2/26	0.077〜0.23	(0.01)	3/78	1/26	0.0013〜0.0079	(0.00026)													
314	1,1-Dichloro-1-fluoroethane (synonym: HCFC-141b)	1717-00-6	2003													51/51	17/17	73〜1,400	(4)					314
315	Dichloromethane	75-09-2	1979													25/46	10/17	70〜1,500	(6〜10,000)					315
			1980													47/135	12/25	26〜800	(5〜8,000)					
			1983													99/101	12/12	2〜5,600	(1〜10)					
			1998													42/42	14/14	280〜24,000	(70)					
316	3-[2,4-Dichloro-5-(1-methylethoxy) phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-(3*H*)-one	19666-30-9	1981	0/15	0/5	—	(0.001〜0.2)	0/15	0/5	—	(0.001〜0.02)													316
317	2,3-Dichloro-1,4-naphthoquinone (synonym: Dichlone)	117-80-6	1982	0/24	0/8	—	(0.08〜0.15)	0/24	0/8	—	(0.006〜0.033)													317
318	1,2-Dichloro-3-nitrobenzene	3209-22-1	1981	0/21	0/7	—	(0.03)	0/21	0/7	—	(0.0015)													318

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^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			
			2005	0/15	0/5	—	(0.012)	0/15	0/5	—	(0.0040)													
319	1,2-Dichloro-4-nitrobenzene	99-54-7	1981	0/21	0/7	—	(0.02)	0/21	0/7	—	(0.001)													319
	1,3-Dichloro-4-nitrobenzene	See 2,4-Dichloro-1-nitrobenzene																						
320	1,4-Dichloro-2-nitrobenzene	89-61-2	1981	0/21	0/7	—	(0.02)	0/21	0/7	—	(0.001)													320
			1994	0/27	0/9	—	(0.05)	0/27	0/9	—	(0.012)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.003)	0/27	0/9	—	(11)					
			2003	0/72	0/24	—	(0.05)	0/60	0/20	—	(0.0025)													
	2,3-Dichloronitrobenzene	See 1,2-Dichloro-3-nitrobenzene																						
321	2,4-Dichloro-1-nitrobenzene	611-06-3	1981	0/21	0/7	—	(0.02)	0/21	0/7	—	(0.001)													321
			1994	0/27	0/9	—	(0.06)	0/27	0/9	—	(0.0085)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.003)	0/27	0/9	—	(14)					
			2003	0/72	0/24	—	(0.06)	1/61	1/21	0.0063	(0.0019)													
	2,4-Dichloronitrobenzene	See 2,4-Dichloro-1-nitrobenzene																						
	2,5-Dichloronitrobenzene	See 1,4-Dichloro-2-nitrobenzene																						
	3,4-Dichloronitrobenzene	See 1,2-Dichloro-4-nitrobenzene																						
322	3,5-Dichloronitrobenzene	618-62-2	1981	0/21	0/7	—	(0.006)	0/21	0/7	—	(0.0003)													322
323	1,1-Dichloro-2,2,3,3,3-pentafluoro propane (synonym: HCFC-225ca)	422-56-0	2003													38/42	15/16	8.5〜4,500	(4)					323
	1,3-Dichloro-1,1,2,2,3-pentafluoro propane	See 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (synosym: HCFC-225cb)																						
324	1,3-Dichloro-1,1,2,2,3-pentafluoro propane (synonym: HCFC-225cb)	507-55-1	2003													32/55	13/19	17〜4,400	(15)					324
	3,3-Dichloro-1,1,1,2,2-pentafluoropropane	See 1,1-Dichloro-2,2,3,3,3-pentafluoropropane (synonym: HCFC-225ca)																						
325	2,3-Dichlorophenol	576-24-9	1978	0/24	0/8	—	(0.2〜40)	0/24	0/8	—	(0.005〜4)													325
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
326	2,4-Dichlorophenol	120-83-2	1978	0/24	0/8	—	(0.2〜40)	0/24	0/8	—	(0.005〜4)													326
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
327	2,5-Dichlorophenol	583-78-8	1978	0/24	0/8	—	(0.2〜40)	0/24	0/8	—	(0.005〜4)													327
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
328	2,6-Dichlorophenol	87-65-0	1978	0/24	0/8	—	(0.2〜40)	0/24	0/8	—	(0.005〜4)													328
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
329	3,4-Dichlorophenol	95-77-2	1978	0/24	0/8	—	(1〜40)	0/24	0/8	—	(0.03〜4)													329
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
330	3,5-Dichlorophenol	591-35-5	1978	0/24	0/8	—	(1〜40)	0/24	0/8	—	(0.03〜4)													330
			1996	0/33	0/11	—	(0.07)	0/33	0/11	—	(0.011)					0/18	0/6	—	(10)					
331	2,4-Dichlorophenoxy acetic acid (synonym: 2,4-D or 2,4-PA)	94-75-7	1983	0/45	0/15	—	(0.05〜1)	0/45	0/15	—	(0.001〜0.076)													331
			1996	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.022)													
			2007	63/84	10/12	0.00014〜0.39	(0.00010)																	
332	3-(3,4-Dichlorophenyl)-1,1-dimethyl urea (synonym: Diuron or DCMU)	330-54-1	2006	27/30	9/10	0.0017〜0.23	(0.0006)					Bivalves & Fish 28/30	Bivalves & Fish 10/10	Bivalves & Fish 0.0000020〜0.00020	(Bivalves & Fish 0.0000019)									332
333	2,4-Dichlorophenyl 3-methoxy-4-nitrophenyl ether	32861-85-1	1982	5/54	2/18	0.002〜0.003	(0.001〜0.2)	0/54	0/18	—	(0.0002 〜0.03)													333
			1991	0/57	0/19	—	(0.3)	0/54	0/18	—	(0.067)					0/54	0/18	—	(40)					
334	*N*-3,5-Dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione (synonym: Vinclozolin)	50471-44-8	2005	0/126	0/42	—	(0.0050)	1/105	1/35	0.0022	(0.00043)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.0033)									334
	2,4-Dichlorophenyl-4'-nitrophenyl ether	See Nitrofen																						
335	2-(2,4- Dichlorophenyl)-1-(1*H*-1,2,4-triazol-1-yl)-2-hexanol (synonym: Hexaconazole)	79983-71-4	2006	0/18	0/6	—	(0.006)									0/15	0/5	—	(1.6)					335
336	1,2-Dichloropropane	78-87-5	1976	0/60	0/13	—	(40〜300)	0/40	0/11	—	(1.0〜3.4)	Fish 0/10	Fish 0/2	Fish —	(Fish 8.7)									336
			1989	20/78	8/26	0.00001〜0.14	(0.000005〜0.04)	9/78	3/26	0.00016〜0.010	(0.00001〜0.002)					11/36	4/13	6.5〜1,400	(3.3〜145)					
			1990	24/93	9/31	0.011〜0.086	(0.01)	0/32	0/96	—	(0.0004)					23/58	11/19	22〜530	(20)					
			1991													23/61	11/21	23〜780	(20)					
			1992													44/64	16/22	6〜920	(6)					
			1993													47/68	18/23	4.3〜1,700	(4)					
			1994													56/77	20/25	5〜790	(5)	Outdoor air 17/24 Indoor air 63/63 Food 0/81	Outdoor air 7/8 Indoor air 7/7 Food 0/9	Outdoor air 15〜790 ng/m^3 Indoor air 2〜1,600ng/m^3 Food —ng/g-wet	(Outdoor air 10) (Indoor air 1.5) (Food 1)	
			1995													59/77	20/26	4.6〜930	(4)	Outdoor air 19/27 Indoor air 66/72 Food 0/81	Outdoor air 7/9 Indoor air 8/8 Food 0/9	Outdoor air 10〜140 ng/m^3 Indoor air 4〜1,000ng/m^3 Food —ng/g-wet	(Outdoor air 10) (Indoor air 4) (Food 10)	
			1996													69/84	24/28	4〜460	(4)	Outdoor air 23/24 Indoor air 63/81 Food 0/81	Outdoor air 8/8 Indoor air 8/9 Food 0/9	Outdoor air 4〜190 ng/m^3 Indoor air 10〜530ng/m^3 Food —ng/g-wet	(Outdoor air 4) (Indoor air 10) (Food 1)	
			1997													93/97	31/32	4.6〜1,900	(4)	Outdoor air 26/27 Indoor air 73/73 Food 0/81	Outdoor air 9/9 Indoor air 9/9 Food 0/9	Outdoor air 4.6〜770 ng/m^3 Indoor air 2.5〜910ng/m^3 Food —ng/g-wet	(Outdoor air 4) (Indoor air 0.2) (Food 1)	
			1998													82/86	29/30	1.5〜720	(1.4)	Outdoor air 20/20 Indoor air 56/56 Food 0/81	Outdoor air 7/7 Indoor air 7/7 Food 0/9	Outdoor air 5〜720 ng/m^3 Indoor air 5〜610ng/m3 Food —ng/g-wet	(Outdoor air 1.4) (Indoor air 1.2) (Food 1)	
			1999													77/79	26/26	2.1〜780	(1.2)	Outdoor air 19/21 Indoor air 54/55 Food 0/72	Outdoor air 7/7 Indoor air 8/8 Food 0/8	Outdoor air 2.1〜19,000 ng/m^3 Indoor air 3.9〜420ng/m^3 Food —ng/g-wet	(Outdoor air 1.2) (Indoor air 1.2) (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^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			
			2000													74/77	27/28	1.2～560	(1.1)	Outdoor air 20/20 Indoor air 66/67	Outdoor air 8/8 Indoor air 8/8	Outdoor air 1.2～340ng/m^3 Indoor air 2.0～600ng/m^3	(Outdoor air 1.1) (Indoor air 1)	
			2001													92/92	28/28	2.0～200	(0.9)	Outdoor air 26/26 Indoor air 51/52	Outdoor air 7/7 Indoor air 6/6	Outdoor air 8.6～200ng/m^3 Indoor air 4～300ng/m^3	(Outdoor air 0.9) (Indoor air 4)	
337	2,2-Dichloropropanoic acid and its salts	75-99-0、127-20-8 etc.	1980	0/24	0/8	—	(10～50)	0/24	0/8	—	(0.5～0.68)													337
			1984	2/21	1/7	1	(0.5～10)	0/21	0/7	—	(0.01～0.06)													
338	1,3-Dichloro-2-propanol	96-23-1	1987	3/87	1/29	3.1～4.0	(1)	0/81	0/27	—	(0.09)	Fish 0/87	Fish 0/27	Fish —	(Fish 0.02)	0/73	0/12	—	(40)					338
			1995	0/33	0/11	—	(2)	0/33	0/11	—	(0.2)					1/18	1/6	5	(5)					
			2011													20/37	9/13	0.82～7.9	(0.80)					
	2,3-Dichloro-1-propanol	See 2,3-Dichloropropan-1-ol																						
339	2,3-Dichloropropan-1-ol	616-23-9	1987	0/87	0/29	—	(2)	0/81	0/27	—	(0.09)	Fish 0/87	Fish 0/27	Fish —	(Fish 0.03)	0/73	0/12	—	(40)					339
340	1,3-Dichloropropene (synonym: D-D)	542-75-6	1984	0/21	0/7	—	(0.5～4)	0/21	0/7	—	(0.002～0.07)													340
340-1	*cis*-1,3-Dichloropropene		2004	0/42	0/14	—	(0.009)									18/60	8/20	9～100	(9)					340-1
340-2	*trans*-1,3-Dichloropropene		2004	0/42	0/14	—	(0.008)									13/60	7/20	10～70	(10)					340-2
	2,3-Dichloro-1-propene	See 2,3-dichloropropene																						
341	2,3-Dichloropropene	78-88-6	1988	0/66	0/22	—	(0.5)	0/66	0/22	—	(0.0042)					0/72	0/12	—	(200)					341
342	3',4'-Dichloropropionanilide (synonym: Propanoyl or DCPA)	709-98-8	1980	0/30	0/10	—	(0.1～10)	0/30	0/10	—	(0.005～0.1)													342
343	2,4'-Dichloro-*alpha*-(5-pyrimidinyl)benzhydryl alcohol (synonym: Fenarimol)	60168-88-9	2006	0/15	0/5	—	(0.0018)									0/15	0/5	—	(2.2)					343
344	2,4-Dichlorotoluene	95-73-8	1981	0/21	0/7	—	(6～60)	0/21	0/7	—	(0.15)													344
			1997	0/36	0/12	—	(0.4)	0/33	0/11	—	(0.0093)													
345	2,6-Dichlorotoluene	118-69-4	1981	0/21	0/7	—	(8～80)	0/21	0/7	—	(0.2)													345
346	3,4-Dichlorotoluene	95-75-0	1981	0/21	0/7	—	(10～100)	0/21	0/7	—	(0.25)													346
347	3,5-Dichlorotriclosan	53555-01-4	1995	0/33	0/11	—	(0.05)	1/33	1/11	0.0080	(0.0056)	Fish 1/33	Fish 1/11	Fish 0.018	(Fish 0.0089)									347
348	2,2-Dichloro-1,1,1-trifluoroethane (synonym: HCFC-123)	306-83-2	2003													10/27	5/10	3～320	(3)					348
	2,2-Dichloro-2,2,2-trifluoroethane	See 2,2-Dichloro-1,1,1-trifluoroethan																						
	Dichlorvos	See Dimethyl 2,2-dichlorovinyl phosphate																						
	Dicofol	See 2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethano																						
349	*N*,*N*-Dicyclohexylamine	101-83-7	2009													0/60	0/20	—	(9)					349
	N,*N*-Dicyclohexyl-2-benzothiazolesulfenamide	See *N*,*N*-Dicyclohexyl-1,3-benzothiazole-2-sulphenamide																						
350	*N*,*N*-Dicyclohexyl-1,3-benzothiazole-2-sulphenamide	4979-32-2	1998	0/39	0/13	—	(0.3)	0/39	0/13	—	(0.01)													350
			2009	0/69	0/23	—	(0.0011)																	
			2010					0/87	0/29	—	(0.0007)	0/33	0/11	—	(0.0044)									
351	Dicyclopentadiene	77-73-6	1978	0/12	0/4	—	(0.016～0.2)	3/12	1/4	0.00087～0.00093	(0.000042～0.0003)													351
			1989	0/66	0/22	—	(0.1)	0/57	0/19	—	(0.005)													
			2008													0/48	0/20	—	(2.5)					
352	Didodecyl 3,3'-thiodipropionate	123-28-4	1981	0/9	0/3	—	(0.16～1)	0/9	0/3	—	(0.008～0.05)													352
	Dieldrin	See 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-dimethanonaphthalene																						
353	Diethanolamine	111-42-2	1978	0/12	0/4	—	(0.3～3.4)																	353
354	*alpha*-(Diethoxyphosphinothioylimino) phenylacetonitrile (synionym: Phoxim)	14816-18-3	1988	0/72	0/24	—	(0.6)	0/72	0/24	—	(0.074)	Fish 0/72	Fish 0/21	Fish —	(Fish 0.03)	0/72	0/12	—	(10)					354
355	Diethylamine	109-89-7	1981	0/27	0/9	—	(0.6～4)	0/27	0/9	—	(0.006～0.01)													355
356	*N*,*N*-Diethylaniline	91-66-7	1977	0/6	0/2	—	(1～5)	0/6	0/2	—	(0.25～1)													356
357	Diethylbiphenyls	28575-17-9	1976	0/68	0/15	—	(0.8～20)	0/50	0/15	—	(0.2～2.0)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.16～0.50)									357
			(2007)	0/39	0/13	—	(0.00055*)	6/33	2/11	0.000076～0.0071	(0.00053*)	Fish &Birds 3/30	Fish &Birds 1/10	Fish &Birds 0.000059～0.000090	(Fish &Birds 0.00030*)									
357-1	Diethylbiphenyl(DDa***)		2007	0/39	0/13	—	(0.000070)	4/33	2/11	0.000052～0.00024	(0.000052)	Fish &Birds 3/30	Fish &Birds 1/10	Fish &Birds 0.000036～0.000064	(Fish &Birds 0.000026)									357-1
357-2	Diethylbiphenyl(DDb***)		2007	0/39	0/13	—	(0.00020)	4/30	2/10	0.00011～0.00091	(0.000089)	Fish &Birds 0/30	Fish &Birds 0/10	Fish &Birds —	(Fish &Birds 0.00011)									357-2
357-3	Diethylbiphenyl(DDc***)		2007	0/39	0/13	—	(0.00017)	3/33	1/11	0.00093～0.0023	(0.00023)	Fish &Birds 0/30	Fish &Birds 0/10	Fish &Birds —	(Fish &Birds 0.000062)									357-3
357-4	Diethylbiphenyl(DDd***)		2007	0/39	0/13	—	(0.000080)	3/33	1/11	0.00045～0.0026	(0.000066)	Fish &Birds 0/30	Fish &Birds 0/10	Fish &Birds —	(Fish &Birds 0.000055)									357-4
358	*O*,*O*-Diethyl *S*-[(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl] dithiophosphate (synonym: Phosalone)	2310-17-0	1993	0/54	0/18	—	(0.1)	0/54	0/18	—	(0.05)	Fish 0/54	Fish 0/18	Fish —	(Fish 0.035)	0/24	0/8	—	(9)					358
	O,*O*-Diethyl *O*-(*alpha*-cyanobenzylideneamino) thiophosphate	See *alpha*-(Diethoxyphosphinothioylimino) phenylacetonitrile																						
359	Diethylene glycol	111-46-6	2008													15/15	5/5	6.1～45	(3.3)					359
	Diethylenetriamine	See *N*-(2-Aminoethyl)-1,2-ethanediamine																						
360	*O*,*O*-Diethyl *S*-[2-(ethylthio)ethyl] dithiophosphate (synonym: Ethylthiometon or Disulfoton)	298-04-4	1993													0/27	0/9	—	(2)					360
			2005	0/54	0/6	—	(0.030)					Fish 1/9	Fish 1/3	Fish 0.0012	(Fish 0.0010)									
	Di(2-ethylhexyl) adipate	See Bis(2-ethylhexyl) adipate																						
	Di-2-ethylhexyl phthalate	See Phthalates (Bis(2-ethylhexyl) phthalate																						
361	*O*,*O*-Diethyl *O*-(2-isopropyl-6-methyl-4-pyrimidinyl) thiophosphat (synonym: Diazinon)	333-41-5	1983	0/30	0/10	—	(0.1)	0/30	0/10	—	(0.005～0.019)													361
			1993													0/51	0/17	—	(12)					
			2006	18/30	7/10	0.0010～0.019	(0.001)																	
362	Diethyl 4-nitrophenyl phosphate	311-45-5	1993	0/75	0/25	—	(0.2)	0/75	0/25	—	(0.03)	Fish 0/75	Fish 0/25	Fish —	(Fish 0.05)									362
363	*O*,*O*-Diethyl *O*-(6-oxo-1-phenyl-1,6-dihydro-3-pyridazinyl) thiophosphate (synonym: Pyridaphenthion)	119-12-0	2001	0/51	0/17	—	(0.11)	0/51	0/17	—	(0.011)	Fish 0/48	Fish 0/16	Fish —	(Fish 0.0069)									363
			2004	3/36	1/12	0.004～0.006	(0.003)	0/36	0/12	—	(0.00022)													

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^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			
364	*O*,*O*-Diethyl *O*-(5-phenyl-3-isoxazolyl) thiophosphate (synonym: Isoxathion)	18854-01-8	1993													0/54	0/18	—	(100)					364
			2005	0/63	0/7	—	(0.022)																	
	Diethyl *p*-nitrophenyl phosphate	See Diethyl 4-nitrophenyl phosphate																						
365	*O*,*O*-Diethyl *O*-(2-quinoxalinyl) thiophosphate (synonym: Chinalphos)	13593-03-8	2006	0/33	0/11	—	(0.008)									0/15	0/5	—	(3)					365
366	Diethylstilbesterol	56-53-1	2010	0/45	0/15	—	(5)																	366
367	Diethyl terephthalate	636-09-9	2001													3/38	1/13	0.16～0.22	(0.042)					367
368	*O*,*O*-Diethyl *O*-(3,5,6-trichloro-2-pyridyl) thiophosphate (synonym: Chlorpyrifos)	2921-88-2	1983	0/30	0/10	—	(0.1)	0/30	0/10	—	(0.005～0.035)													368
			1988	0/72	0/24	—	(0.1)	11/69	4/23	0.007～0.08	(0.007)	Fish 0/72	Fish 0/21	Fish —	(Fish 0.005)	0/72	0/12	—	(10)					
			1990	0/24	0/8	—	(0.1)	9/24	3/8	0.0074～0.033	(0.005)													
			2003									Fish 1/27	Fish 1/9	Fish 0.010	(Fish 0.003)	0/21	0/7	—	(2)					
	Diheptyl phthalate	See Phthalates (Di-*n*-heptyl phthalate)																						
	1,2-Dihydroacenaphthylene	See Acenaphthene																						
369	2,3-Dihydro-2,2-dimethyl-7-benzo[b]furanyl *N*-methylcarbamate (synonym: Carbofuran)	1563-66-2	1992	0/72	0/24	—	(0.1)	0/72	0/24	—	(0.04)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.02)									369
			2005	0/15	0/5	—	(0.007)																	
			2006																	Food 14/178		Food 0.0073～0.12ng/g-wet (Drinking water —ng/L)	(Food 0.0048～0.015) (Drinking water 0.12)	
370	*S*-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl *O*,*O*-dimethyl dithiophosphate (synonym: Methidathion or DMTP)	950-37-8	1993	0/54	0/18	—	(0.1)	0/54	0/18	—	(0.09)	Fish 0/54	Fish 0/18	Fish —	(Fish 0.11)	0/24	0/8	—	(5)					370
			2005	2/54	1/6	0.023～0.040	(0.015)					Fish 0/9	Fish 0/3	Fish —	(Fish 0.0012)									
371	1,2-Dihydro-5-nitroacenaphthylene	602-87-9	1984	0/21	0/7	—	(0.008～0.02)	0/21	0/7	—	(0.003～0.012)													371
372	2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)- pyrimidinone (synonym: Propylthiouracil)	51-52-5	2009	0/84	0/28	—	(0.0046)																	372
373	5*alpha*-Dihydrotestosterone	521-18-6	2009	0/81	0/27	—	(0.000092)																	373
374	1,2-Dihydro-2,2,4-trimethylquinoline	147-47-7	1980	0/42	0/14	—	(0.5～5)	0/42	0/14	—	(0.025～0.7)													374
	Diisobutylene	See 2,4,4-Trimethyl-1-pentene																						
375	Diisodecyl adipate	27178-16-1	1978	0/30	0/10	—	(0.8～100)	0/30	0/10	—	(0.04～5)													375
	Diisopropylamine	See *N*-(1-Methylethyl)-2-propanamine																						
376	1,3-Diisopropylbenzene	99-62-7	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													376
	m-Diisopropylbenzene	See 1,3-Diisopropylbenzene																						
377	*p*-Diisopropylbenzene	100-18-5	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													377
378	Diisopropyl 1,3-dithiolan-2-ylidenemalonate (synonym: Isoprothiolane)	50512-35-1	1992	26/78	10/26	0.05～0.27	(0.045)	8/78	3/26	0.014～0.034	(0.01)	Fish 6/75	Fish 2/25	Fish 0.0094～0.15	(Fish 0.0064)	0/52	0/17	—	(15)					378
			2005	73/81	9/9	0.0065～1.8	(0.0062)					Fish 0/15	Fish 0/5	Fish —	(Fish 0.0010)									
379	Diisopropyl fluorophosphate	55-91-4	1993													0/48	0/16	—	(15)					379
	Diisopropylidene acetone	See 2,6-Dimethylhepta-2,5-dien-4-one																						
380	Diisopropylnaphthalene	38640-62-9	1975	0/100	0/20	—	(70～5,000)	9/100	3/20	0.061～0.19	(0.03～0.25)	Fish 2/94	Fish 2/20	Fish 0.028～0.048	(Fish 0.025～0.25)									380
			1977	0/117	0/39	—	(0.01～10)	6/117	2/39	0.0019～0.1	(0.00074～0.6)	Fish 7/93	Fish 3/29	Fish 0.00052～0.0017	(Fish 0.0002～0.5)									
			1980	0/120	0/40	—	(0.01～20)	3/120	1/40	0.049～0.064	(0.01～1.0)	Fish 3/108	Fish 1/28	Fish 0.006～0.025	(Fish 0.002～2.5)									
			2005					17/21	6/7	0.0037～7.5	(0.0020)	Bivalves 9/18 Fish 29/54	Bivalves 3/6 Fish 10/18	Bivalves 0.00023～0.0020 Fish 0.00019～0.027	(Bivalves 0.00019) (Fish 0.00019)									
			2006	0/12	0/4	—	(0.0004)																	
			2007	10/51	6/18	0.0015～0.0044	(0.0015)																	
			2009					62/83	23/28	0.00094～0.23	(0.00064)	Bivalves & Fish 31/42	Bivalves & Fish 13/14	Bivalves & Fish 0.00049～0.011	(Bivalves & Fish 0.00046)	57/60	20/20	0.67～22	(0.66)					
380-1	1,3-Diisopropylnaphthalene	57122-16-4	2009					65/89	25/30	0.00008～0.036	(0.00008)	Bivalves & Fish 35/42	Bivalves & Fish 13/14	Bivalves & Fish 0.00006～0.0038	(Bivalves & Fish 0.00005)	59/60	20/20	0.082～4.0	(0.082)					380-1
380-2	1,4-Diisopropylnaphthalene	24157-79-7	2009					50/89	21/30	0.00024～0.029	(0.00023)	Bivalves & Fish 33/42	Bivalves & Fish 13/14	Bivalves & Fish 0.00007～0.0032	(Bivalves & Fish 0.00005)	50/60	19/20	0.090～2.0	(0.082)					380-2
380-3	1,5-Diisopropylnaphthalene	27351-96-8	2009					41/88	16/30	0.00023～0.0095	(0.00023)	Bivalves & Fish 4/42	Bivalves & Fish 3/14	Bivalves & Fish 0.0006～0.0008	(Bivalves & Fish 0.0006)	32/60	12/20	0.11～1.2	(0.11)					380-3
380-4	1,6-Diisopropylnaphthalene	51113-41-8	2009					57/89	22/30	0.00022～0.037	(0.00020)	Bivalves & Fish 4/42	Bivalves & Fish 3/14	Bivalves & Fish 0.0006～0.0013	(Bivalves & Fish 0.0006)	56/60	19/20	0.096～3.1	(0.082)					380-4
380-5	1,7-Diisopropylnaphthalene	94133-80-9	2009					64/89	24/30	0.00008～0.039	(0.00008)	Bivalves & Fish 4/42	Bivalves & Fish 4/14	Bivalves & Fish 0.0006～0.0012	(Bivalves & Fish 0.0006)	60/60	20/20	0.086～3.8	(0.082)					380-5
380-6	2,3-Diisopropylnaphthalene	94133-81-0	2009					10/83	6/28	0.0034～0.0036	(0.00033)	Bivalves & Fish 0/42	Bivalves & Fish 0/14	Bivalves & Fish —	(Bivalves & Fish 0.0006)	14/60	6/20	0.10～0.45	(0.082)					380-6
380-7	2,6-Diisopropylnaphthalene	24157-81-1	2009					71/89	26/30	0.00008～0.045	(0.00008)	Bivalves & Fish 3/42	Bivalves & Fish 2/14	Bivalves & Fish 0.0006～0.00066	(Bivalves & Fish 0.0006)	60/60	20/20	0.089～4.0	(0.082)					380-7
380-8	2,7-Diisopropylnaphthalene	40458-98-8	2009					70/89	25/30	0.00011～0.043	(0.00008)	Bivalves & Fish 0/42	Bivalves & Fish 0/14	Bivalves & Fish —	(Bivalves & Fish 0.0006)	60/60	20/20	0.056～3.6	(0.026)					380-8
	Dilauryl phthalate	See Phthalates (1,2-Benzenedicarboxylic acid didodecyl ester)																						
	Dilauryl thiodipropionate	See Didodecyl 3,3'-thiodipropionate																						
	Dimethoate	See *O*,*O*-Dimethyl *S*-(N-methylcarbamoyl)methyl dithiophosphate																						
381	3,3'-Dimethoxybenzidine	119-90-4	1977	0/6	0/2	—	(0.05)	0/3	0/1	—	(0.003)													381
			2008	0/18	0/6	—	(0.0021)																	
	4,4'-Dimethoxydiphenylamine	See *N*-(4-methoxyphenyl)-*p*-anisidine																						
382	Dimethylamine	124-40-3	1986	0/33	0/11	—	(4)	9/27	5/9	0.05～0.227	(0.05)													382
			1991													0/48	0/16	—	(640)					
383	4-Dimethylaminoazobenzene	60-11-7	1986	0/30	0/10	—	(0.3)	0/30	0/10	—	(0.04)													383
384	[4-[*alpha*-[4-(Dimethylamino) phenyl] benzylidene]cyclohexa-2,5-dien-1-ylidene)dimethylammonium chloride (synonym: Basic Green 4)	569-64-2	1985	0/33	0/11	—	(2)	0/27	0/9	—	(0.2)													384
385	2,3-Dimethylaniline	87-59-2	1976	0/68	0/20	—	(0.1～1)	6/68	2/20	0.006～0.090	(0.001～0.006)													385
			1990	0/54	0/18	—	(0.02)	0/54	0/18	—	(0.011)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.005)	0/51	0/17	—	(500)					
	2,4-Dimethylaniline	See 2,4-Xylidine																						
	2,5-Dimethylaniline	See 2,5-Xylidine																						
386	2,6-Dimethylaniline	87-62-7	2005	0/12	0/4	—	(0.021)																	386
387	3,4-Dimethylaniline	95-64-7	1976	0/68	0/20	—	(0.06～0.7)	8/68	4/20	0.001 ～0.043	(0.001～0.004)													387
			1977	0/6	0/2	—	(1～20)	0/6	0/2	—	(0.25～4)													
			2005	0/12	0/4	—	(0.0072)	0/9	0/3	—	(0.0007)													

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^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			
388	3,5-Dimethylaniline	108-69-0	1976	1/68	1/20	0.04	(0.02～0.2)	5/68	3/20	0.002 ～0.01	(0.0005～0.0016)													388
389	*N*,*N*-Dimethylaniline	121-69-7	1976	2/68	1/20	1.1～1.7	(0.3～2.4)	6/68	3/20	0.011～0.21	(0.006～0.05)													389
			1990	0/69	0/23	—	(0.03)	3/63	1/21	0.014～0.027	(0.01)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.002)	1/36	1/12	380	(100)					
390	3,3'-Dimethylbenzidine	119-93-7	1977	0/6	0/2	—	(0.02)	0/3	0/1	—	(0.002)													390
			2005	0/18	0/6	—	(0.037)																	
	Di(*alpha*-methylbenzyl)phenol	See 2,4-Bis(1-phenylethyl)phenol																						
391	*O*,*O*-Dimethyl *S*-1,2 bis (ethoxycarbonyl) ethyl dithiophosphate (synonym: Malathion)	121-75-5	1993	0/51	0/17	—	(0.06)	0/51	0/17	—	(0.06)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.069)	0/54	0/18	—	(25)					391
392	*N*-(1,3-Dimethylbutyl)-*N*′-phenyl-*p*-phenylenediamine	793-24-8	2005	0/12	0/4	—	(0.00045)									15/39	8/13	0.02～0.35	(0.02)					392
393	*N*′,*N*′-Dimethylcarbamoyl (methylthio)methylenamine *N*-methylcarbamate (synonym: Oxamyl	23135-22-0	1992	0/33	0/11	—	(0.1)	0/33	0/11	—	(0.01)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.005)									393
	O,*O*-Dimethyl-*O*-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl phosphate	See 2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate																						
	2,2'-Dimethyl- 2,2'-diazenediylbis(propanenitrile)	See 2,2'-Azobisisobutyronitrile																						
394	Dimethyl 2,2-dichlorovinyl phosphate (synonym: Dichlorvos or DDVP)	62-73-7	1983	0/30	0/10	—	(0.1)	0/30	0/10	—	(0.005～0.031)													394
			1993													4/51	2/17	10～13	(10)					
			2006	18/24	6/8	0.0007～0.020	(0.0003)																	
395	*N*,*N*-Dimethyldithiocarbamamic acid and its salts	79-45-8																						395
	(N,N'-Ethylenebis (thiocarbamoylthiozionc)bis(N,N'-dimethyldithiocarbamate) (synonym: Polycarbamate), Zinc bis(N,N'-dimethyldithiocarbamate) (synonym: Ziram) etc.)	(64440-88-6, 137-30-4 etc.)	2006	0/51	0/7	—	(0.05)					Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.0003)									
396	*N*,*N*-Dimethyldodecylamine *N*-oxide	1643-20-5	2004	9/123	4/41	0.003～0.016	(0.003)																	396
			2006					0/12	0/4	—	(0.0008)													
397	2-(1,1-Dimethylethyl)-1,4-benzenediol	1948-33-0	1980	0/42	0/14	—	(0.2～20)	0/42	0/14	—	(0.008～1.0)													397
398	2-(1,1-Dimethylethyl)-4,6-dimethylphenol	1879-09-0	1997	0/165	0/55	—	(0.5)																	398
399	*N*,*N*-Dimethylformamide	68-12-2	1978	0/24	0/8	—	(10～50)	0/24	0/8	—	(0.1～0.3)													399
			1991	18/48	7/16	0.1～6.6	(0.1)	9/48	3/16	0.03～0.11	(0.013)					21/49	11/17	110～1,100	(110)					
			1997													30/49	12/17	20～620	(20)					
			1998	5/36	2/12	0.080～0.11	(0.07)	10/36	4/12	0.0033～0.03	(0.003)													
			2005	10/27	4/9	0.037～1.5	(0.026)									44/46	16/16	10～620	(10)					
			2006					6/24	4/8	0.0014～0.018	(0.0014)													
			2011	37/47	37/47	0.019～0.53	(0.019)	17/186	7/62	0.0026～0.015	(0.0026)					105/105	35/35	16～490	(3.9)					
400	2,6-Dimethyl-2,5-heptadien-4-one	504-20-1	1981	0/36	0/12	—	(0.02～10)	0/36	0/12	—	(0.0006～0.2)													400
401	*O*,*O*-Dimethyl *S*-[2-[1-(*N*-methylcarbamoyl)ethylthio]ethyl] thiophosphate (synonym: Vamidothion)	2275-23-2	2008	0/9	0/3	—	(0.000062)									0/15	0/5	—	(0.28)					401
402	*O*,*O*-Dimethyl *S*-(*N*-methylcarbamoyl)methyl dithiophosphate (synonym: Dimethoate)	60-51-5	1986	0/39	0/13	—	(0.3)	0/39	0/13	—	(0.03)													402
			1993	0/30	0/10	—	(0.1)	0/30	0/10	—	(0.71)	Fish 0/30	Fish 0/10	Fish —	(Fish 4.0)									
403	O,O-Dimethyl O-(3-methyl-4-methylthiophenyl) thiophosphate (synonym: MPPlankton or Fenthion)	55-38-9	1993	0/51	0/17	—	(0.2)	0/51	0/17	—	(0.033)	Fish 0/51	Fish 0/17	Fish —	(Fish 0.05)	0/54	0/18	—	(15)					403
			2005	15/54	2/6	0.010～0.076	(0.010)																	
			2007	1/84	1/12	0.0017	(0.0012)					Birds 0/6	Birds 0/2	Birds —	(Birds 0.000095)									
404	O,O-Dimethyl O-(3-methyl-4-nitrophenyl) thiophosphate (synonym: MPPlankton or Fenitrothion)	122-14-5	1983	0/30	0/10	—	(0.0064～0.4)	0/30	0/10	—	(0.0012～0.02)													404
			1993													2/45	1/15	20～45	(10)					
			2006	16/18	6/6	0.000015～0.0048	(0.000011)																	
405	Dimethylnaphthalenes (Total of 1,4-isomer 1,5-isomer and 2,3-isomer)	571-58-4 571-61-9 581-40-8	1984	3/18	1/6	0.02～0.03	(0.005～0.3)	6/18	3/6	0.004～0.033	(0.0003～0.016)													405
			1985	0/147	0/49	—	(0.2)	13/147	6/49	0.03～0.29	(0.03)	Fish 19/129	Fish 12/40	Fish 0.002～0.019	(Fish 0.002)									
	(Total of 1,3-isomer and 1,6-isomer)	575-41-7 575-43-9	1998													26/27	9/9	2.0～70	(0.56)					
405-1	1,2-Dimethylnaphthalene	573-98-8	1984	3/18	1/6	0.01	(0.005～0.3)	1/18	1/6	0.001	(0.0003～0.016)													405-1
			1985	0/141	0/47	—	(0.2)	5/138	2/46	0.038～0.16	(0.03)	Fish 4/129	Fish 2/40	Fish 0.002 ～0.007	(Fish 0.002)									
			1998													28/30	10/10	0.37～9.9	(0.3)					
405-2	1,3-Dimethylnaphthalene	575-41-7	1984	3/18	1/6	0.07～0.08	(0.01～0.2)	10/18	4/6	0.011～0.073	(0.0008～0.012)													405-2
			1985	0/141	0/47	—	(0.2)	24/142	10/48	0.03～0.61	(0.03)	Fish 39/129	Fish 17/40	Fish 0.0020～0.059	(Fish 0.002)									
405-3	1,4-Dimethylnaphthalene	571-58-4	1998													29/30	10/10	0.27～7.2	(0.23)					405-3
405-4	1,5-Dimethylnaphthalene	571-61-9	1998													28/30	10/10	0.4～8.9	(0.33)					405-4
405-5	1,7-Dimethylnaphthalene	575-37-1	1998													27/27	9/9	0.13～23	(0.1)					405-5
405-6	1,8-Dimethylnaphthalene	569-41-5	1985	0/147	0/49	—	(0.2)	1/135	1/45	0.072	(0.03)	Fish 0/126	Fish 0/39	Fish —	(Fish 0.002)									405-6
			1998													21/21	7/7	0.09～5.1	(0.08)					
405-7	2,3-Dimethylnaphthalene	581-40-8	1998													28/30	10/10	0.4～13	(0.4)					405-7
405-8	2,6-Dimethylnaphthalene	581-42-0	1984	3/18	1/6	0.02	(0.006～0.2)	10/18	4/6	0.006～0.067	(0.0005～0.010)													405-8
			1985	0/141	0/47	—	(0.2)	18/141	7/47	0.032～0.31	(0.03)	Fish 18/129	Fish 9/40	Fish 0.0020～0.016	(Fish 0.002)									
			1998													26/27	9/9	1.2～30	(0.61)					
405-9	2,7-Dimethylnaphthalene	582-16-1	1998													27/27	9/9	0.31～22	(0.3)					405-9
406	*N*,*N*-Dimethyl-4-nitrosoaniline	138-89-6	1980	0/27	0/9	—	(0.2)																	406
	N,*N*-Dimethyl-*p*-nitrosoaniline	See *N*,*N*-dimethyl-4-nitrosoaniline																						
407	Dimethyl 4,4'-(*o*-phenylene)bis(3-thioallophanate) (synonym: Thiophanate-methyl)	23564-05-8	2007	1/27	1/9	0.00090	(0.00079)																	407

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^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			
408	*O*,*O*-Dimethyl 4-oxobenzotriazin-3-ylmethyl dithiophosphate (synonym: Azinphosmethyl)	86-50-0	1993													0/24	0/8	—	(21)					408
	2,4-Dimethylphenol	See 2,4-Xylenol																						
409	2,5-Dimethylphenol	95-87-4	1982	0/33	0/11	—	(0.04〜0.5)	0/33	0/11	—	(0.0002〜0.02)													409
	3,5-Dimethylphenol	See 3,5-Xylenol																						
410	1,2-Dimethyl-4-(1-phenylethyl) benzene	6196-95-8	1975	0/100	0/20	—	(0.13〜5)	13/100	4/20	0.028〜0.31	(0.028〜0.25)	Fish 0/94	Fish 0/20	Fish —	(Fish 0.020〜0.25)									410
			1977	0/117	0/39	—	(0.01〜5)	12/117	4/39	0.002〜0.029	(0.0013〜0.3)	Fish 14/93	Fish 7/29	Fish 0.00052〜3	(Fish 0.0002〜0.3)									
			1980	0/120	0/40	—	(0.005〜20)	3/120	1/40	0.019〜0.027	(0.002〜1.0)	Fish 0/108	Fish 0/28	Fish —	(Fish 0.001〜2.5)									
411	1,4-Dimethyl-2-(1-phenylethyl)benzene	6165-51-1	2008	3/19	3/7	0.0021〜0.017	(0.0021)	35/35	13/13	0.00004〜0.065	(0.00002)													411
412	3,5-Dimethylphenyl *N*-methylcarbamate (synonym: XMC	2655-14-3	1988	0/75	0/25	—	(0.22)	0/69	0/23	—	(0.0103)					0/72	0/12	—	(7.0)					412
413	*O*,*O*-Dimethyl *S*-phthalimidylmethyl dithiophosphate (synonym: Phosmet)	732-11-6	1993													0/24	0/8	—	(7)					413
414	2,2-Dimethyl-1,3-propanediol	126-30-7	1977	0/6	0/2	—	(200〜400)	0/6	0/2	—	(2)													414
415	Dimethyl sulfoxide	67-68-5	1992	17/45	6/15	0.2〜4.2	(0.2)	17/42	6/14	0.005〜0.098	(0.005)	Fish 8/39	Fish 4/13	Fish 0.0056〜0.028	(Fish 0.005)									415
			2010													18/42	8/14	22〜46	(22)					
416	Dimethyl terephthalate	120-61-6	1975	1/100	1/20	160	(2〜500)																	416
			1982	0/18	0/6	—	(0.2〜0.5)	0/18	0/6	—	(0.008〜0.015)													
			2001													3/38	1/13	0.074〜0.093	(0.030)					
			2007													23/26	8/9	0.030〜1.0	(0.012)					
417	Dimethy 2,2,2-trichloro-1-hydroxyethylphosphonate (synonym: Trichlorfon or DEP)	52-68-6	1993	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.008)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.004)									417
418	2,4-Dinitroaniline	97-02-9	1990	0/75	0/25	—	(1.7)	1/75	1/25	0.56	(0.19)	Fish 0/72	Fish 0/24	Fish —	(Fish 0.078)									418
	1,2-Dinitrobenzene	See *o*-Dinitrobenzene																						
	1,3-Dinitrobenzene	See *m*-Dinitrobenzene																						
	1,4-Dinitrobenzene	See *p*-Dinitrobenzene																						
419	*o*-Dinitrobenzene	528-29-0	1976	0/70	0/48	—	(0.05)	1/54	1/40	0.0008	(0.0002〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.004)									419
			1991	0/45	0/15	—	(0.1)	0/48	0/16	—	(0.013)													
420	*m*-Dinitrobenzene	99-65-0	1976	0/70	0/48	—	(0.1〜0.25)	1/51	1/37	0.03	(0.007〜0.02)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.01)									420
			1991	0/45	0/15	—	(0.1)	0/48	0/16	—	(0.012)	Fish 0/48	Fish 0/16	Fish —	(Fish 0.005)									
			2007	0/24	0/8	—	(0.0019)																	
			2008					0/45	0/15	—	(0.00011)													
421	*p*-Dinitrobenzene	100-25-4	1994	0/27	0/9	—	(0.054)	0/27	0/9	—	(0.014)	Fish 0/27	Fish 0/9	Fish —	(Fish 0.003)									421
			2003	0/72	0/24	—	(0.054)	0/63	0/21	—	(0.0031)													
422	2,6-Dinitro-*p*-cresol	609-93-8	1994	0/36	0/12	—	(0.2)	0/36	0/12	—	(0.015)	Fish 0/36	Fish 0/12	Fish —	(Fish 0.005)									422
423	4,6-Dinitro-*o*-cresol	534-52-1	1984	0/21	0/7	—	(0.016〜0.08)	0/21	0/7	—	(0.0016〜0.017)													423
			2008	21/21	7/7	0.0037〜0.069	(0.00019)																	
	4,6-Dinitro-2-methylphenol	See 4,6-Dinitro-*o*-cresol																						
424	1,5-Dinitronaphthalene	605-71-0	1985	0/30	0/10	—	(0.05)	0/30	0/10	—	(0.004)													424
425	1,8-Dinitronaphthalene	602-38-0	1985	0/30	0/10	—	(0.05)	0/30	0/10	—	(0.004)													425
426	2,4-Dinitrophenol	51-28-5	1984	0/21	0/7	—	(0.04〜0.2)	0/21	0/7	—	(0.004〜0.041)													426
			1994	0/36	0/12	—	(0.4)	0/36	0/12	—	(0.0076)	Fish 0/36	Fish 0/12	Fish —	(Fish 0.01)									
			2003	11/114	5/38	0.019〜0.54	(0.019)																	
			2009	82/82	28/28	0.0010〜0.23	(0.0010)					Bivalves & Fish 4/39	Bivalves & Fish 2/13	Bivalves & Fish 0.00011〜0.00015	(Bivalves & Fish 0.00011)									
427	1,3-Dinitropyrene	75321-20-9	1990	0/69	0/23	—	(0.04)	0/72	0/24	—	(0.13)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.075)									427
428	1,6-Dinitropyrene	42397-64-8	1990	0/69	0/23	—	(0.04)	0/72	0/24	—	(0.15)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.075)									428
429	1,8-Dinitropyrene	42397-65-9	1990	0/69	0/23	—	(0.045)	0/72	0/24	—	(0.15)	Fish 0/69	Fish 0/23	Fish —	(Fish 0.08)	0/48	0/16	—	(0.01)					429
430	2,4-Dinitrotoluene	121-14-2	1976	0/70	0/48	—	(0.08〜0.1)	0/50	0/36	—	(0.00035〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.006)									430
			1991	0/48	0/16	—	(0.14)	0/48	0/16	—	(0.0099)	Fish 0/45	Fish 0/15	Fish —	(Fish 0.005)									
			2002													3/21	2/7	1.0〜1.5	(0.95)					
431	2,6-Dinitrotoluene	606-20-2	1976	1/70	1/48	0.054	(0.025〜0.03)	3/55	3/41	0.003〜0.0050	(0.0007〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.002)									431
			1991	0/48	0/16	—	(0.11)	0/48	0/16	—	(0.011)	Fish 0/45	Fish 0/15	Fish —	(Fish 0.005)									
			2002													3/18	1/6	5.3〜14	(0.89)					
			2007	0/21	0/7	—	(0.0014)																	
			2008					0/45	0/15	—	(0.00010)													
432	3,4-Dinitrotoluene	610-39-9	1976	0/70	0/48	—	(0.05〜0.075)	0/59	0/45	—	(0.002〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.004)									432
	DINP	See See Phthalate esters (Diisononyl Phthalate)																						
433	Dioctadecyl 3,3'-thiobispropionate	693-36-7	1981	0/9	0/3	—	(0.16〜1)	0/9	0/3	—	(0.008〜0.05)													433
	Dioctyl phthalate	See Phthalates (Di-*n*-octyl phthalate)																						
	Dioctyl sebacate	See Bis(2-ethylhexyl) sebacate																						
	Dioctyltin compounds	See Organotins (Dioctyltin compounds)																						
434	1,4-Dioxane	123-91-1	1976	0/60	0/15	—	(100)	0/20	0/4	—	(0.4)													434
			1989	43/78	15/26	0.12〜15	(0.02〜1)	27/78	9/26	0.0004〜0.034	(0.001〜0.02)													
			1990	62/96	21/32	0.11〜35	(0.1)	29/94	13/32	0.005〜0.0312	(0.005)													
			1991	66/96	22/32	0.1〜8.8	(0.1)	12/96	5/32	0.004〜0.024	(0.004)													
			1992	61/99	21/33	0.1〜19	(0.1)	6/102	2/34	0.018〜0.047	(0.01)													
			1993	67/102	25/34	0.1〜13	(0.1)	15/93	7/31	0.004〜0.018	(0.004)													
			1994	60/96	22/32	0.08〜15	(0.08)	13/90	7/30	0.005〜0.0076	(0.005)													
			1995	64/105	22/35	0.11〜7.6	(0.1)	9/102	4/34	0.007〜0.074	(0.0065)													
			1996	68/105	24/35	0.09〜9.02	(0.08)	5/108	2/36	0.015〜0.030	(0.01)													
			1997	70/102	24/34	0.09〜42.8	(0.08)	3/105	1/35	0.011〜0.041	(0.01)													
			1998	63/103	24/35	0.08〜5.3	(0.08)	5/108	2/36	0.016〜0.051	(0.01)													
			1999	71/105	25/35	0.08〜46	(0.08)	1/99	1/33	0.0094	(0.008)													
			2000	60/98	22/33	0.08〜160	(0.08)	1/93	1/31	0.010	(0.008)					22/34	9/12	15〜1,200	(6.8)					
			2001	45/99	16/33	0.09〜8.0	(0.08)	3/99	1/33	0.014〜0.030	(0.010)													
435	Dioxins																							435
435-1	Polychlorinateddibenzo-*p*-dioxins																							435-1
435-1-4	Tetrachlorodibenzo-*p*-dioxins																							435-1-4
	(Other than 1,3,6,8-isomer 1,3,7,9-isomer and 2,3,7,8-isomer)		1985					2/51	2/51	0.00001〜0.00002	(0.00001)	Fish 9/51	Fish 9/51	Fish 0.00001〜0.00003	(Fish 0.00001)									
			1986	0/18	0/18	—	(0.00001)	19/39	19/39	0.000001〜0.00027	(0.000001)	Fish 0/32	Fish 0/32	Fish —	(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^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			
			1988					17/30	17/30	0.000002～0.000012	(0.000001)	Bivalves 2/2 Fish 3/30	Bivalves 2/2 Fish 3/30	Bivalves 0.000002～0.000005 Fish 0.000002～0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1989					28/33	28/33	0.000001～0.00027	(0.000001)	Bivalves 2/3 Fish 3/32	Bivalves 2/3 Fish 3/32	Bivalves 0.000009～0.000026 Fish 0.000001～0.000004	(Bivalves 0.000001) (Fish 0.000001)									
			1990					30/33	30/33	0.000001～0.00038	(0.000001)	Bivalves 2/3 Fish 2/32	Bivalves 2/3 Fish 2/32	Bivalves 0.000009～0.000019 Fish 0.000002～0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1991					33/35	33/35	0.000001～0.00023	(0.000001)	Bivalves 3/3 Fish 4/34	Bivalves 3/3 Fish 4/34	Bivalves 0.000002～0.000010 Fish 0.000003～0.000031	(Bivalves 0.000001) (Fish 0.000001)									
			1992					30/36	30/36	0.000002～0.00010	(0.000001)	Bivalves 2/3 Fish 4/34	Bivalves 2/3 Fish 4/34	Bivalves 0.000007～0.000023 Fish 0.000002～0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1993					32/36	32/36	0.000001～0.000050	(0.000001)	Bivalves 3/3 Fish 2/34	Bivalves 3/3 Fish 2/34	Bivalves 0.000001～0.000014 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1994					29/36	29/36	0.000001～0.000064	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1995					34/36	34/36	0.000001～0.000070	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000004 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1996					34/36	34/36	0.0000004～0.000066	(0.0000001)	Fish 2/35	Fish 2/35	Fish 0.0000002～0.0000005	(Fish 0.0000001)									
			1997					38/40	38/40	0.0000004～0.000063	(0.0000001)	Fish 2/39	Fish 2/39	Fish 0.0000001～0.0000009	(Fish 0.0000001)									
435-1-4-1	1,3,6,8-Tetrachlorodibenzo-*p*-dioxin		1985					36/51	36/51	0.00001～0.0012	(0.00001)	Fish 10/51	Fish 10/51	Fish 0.00001～0.00007	(Fish 0.00001)									435-1-4-1
			1986	9/18	9/18	0.00001～0.00004	(0.00001)	39/39	39/39	0.000002～0.0037	(0.000001)	Fish 21/32	Fish 21/32	Fish 0.000002～0.000031	(Fish 0.000001)									
			1988					29/30	29/30	0.000005～0.00062	(0.000001)	Bivalves 2/2 Fish 15/30	Bivalves 2/2 Fish 15/30	Bivalves 0.000004～0.000008 Fish 0.000001～0.000026	(Bivalves 0.000001) (Fish 0.000001)									
			1989					31/33	31/33	0.000021～0.0017	(0.000001)	Bivalves 3/3 Fish 17/32	Bivalves 3/3 Fish 17/32	Bivalves 0.000009～0.000028 Fish 0.000001～0.000110	(Bivalves 0.000001) (Fish 0.000001)									
			1990					32/33	32/33	0.000003～0.0042	(0.000001)	Bivalves 3/3 Fish 22/32	Bivalves 3/3 Fish 22/32	Bivalves 0.000011～0.000081 Fish 0.000001～0.00015	(Bivalves 0.000001) (Fish 0.000001)									
			1991					33/35	33/35	0.000001～0.0050	(0.000001)	Bivalves 3/3 Fish 18/34	Bivalves 3/3 Fish 18/34	Bivalves 0.000010～0.000050 Fish 0.000001～0.000027	(Bivalves 0.000001) (Fish 0.000001)									
			1992					33/36	33/36	0.000006～0.0027	(0.000001)	Bivalves 3/3 Fish 17/34	Bivalves 3/3 Fish 17/34	Bivalves 0.000018～0.000096 Fish 0.000001～0.000069	(Bivalves 0.000001) (Fish 0.000001)									
			1993					33/36	33/36	0.000009～0.0018	(0.000001)	Bivalves 3/3 Fish 14/34	Bivalves 3/3 Fish 14/34	Bivalves 0.000009～0.000027 Fish 0.000002～0.000060	(Bivalves 0.000001) (Fish 0.000001)									
			1994					34/36	34/36	0.000001～0.0020	(0.000001)	Bivalves 1/1 Fish 21/34	Bivalves 1/1 Fish 21/34	Bivalves 0.000006 Fish 0.000001～0.000022	(Bivalves 0.000001) (Fish 0.000001)									
			1995					35/36	35/36	0.000001～0.0022	(0.000001)	Bivalves 1/1 Fish 19/34	Bivalves 1/1 Fish 19/34	Bivalves 0.000029 Fish 0.000001～0.000062	(Bivalves 0.000001) (Fish 0.000001)									
			1996					36/36	36/36	0.0000004～0.0030	(0.0000001)	Fish 32/35	Fish 32/35	Fish 0.0000001～0.000065	(Fish 0.000000)									
			1997					40/40	40/40	0.0000002～0.0021	(0.0000001)	Fish 32/39	Fish 32/39	Fish 0.0000001～0.000046	(Fish 0.0000001)									
435-1-4-2	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)									435-1-4-2
			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)									

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^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			
			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	0.0000001～0.00072	(0.0000001)	Fish 9/35	Fish 9/35	Fish 0.0000001～0.0000019	(Fish 0.0000001)									
			1997					39/40	39/40	0.0000004～0.00056	(0.0000001)	Fish 7/39	Fish 7/39	Fish 0.0000001～0.0000031	(Fish 0.0000001)									
435-1-4-3	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)									435-1-4-3
			1986	0/18	0/18	－	(0.00001)	0/39	0/39	－	(0.000001)	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	0.0000001～0.0000041	(0.0000001)	Fish 25/35	Fish 25/35	Fish 0.0000001～0.0000005	(Fish 0.0000001)									
			1997					22/40	22/40	0.0000001～0.0000037	(0.0000001)	Fish 23/39	Fish 23/39	Fish 0.0000001～0.0000018	(Fish 0.0000001)									
435-1-5	Pentachlorodibenzo-*p*-dioxins																							435-1-5
	(Other than 1,2,3,4,7-isomer and 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)									
			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)									
	(Other than 1,2,3,7,8-isomer)		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)									
			1994					33/36	33/36	0.000004～0.00059	(0.000001)	Bivalves 1/1 Fish 5/34	Bivalves 1/1 Fish 5/34	Bivalves 0.000001 Fish 0.000001～0.000004	(Bivalves 0.000001) (Fish 0.000001)									
			1995					35/36	35/36	0.000001～0.00055	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000004 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1996					36/36	36/36	0.0000006～0.00050	(0.0000001)	Fish 3/35	Fish 3/35	Fish 0.0000001～0.0000009	(Fish 0.0000001)									
			1997					39/40	39/40	0.0000006～0.00050	(0.0000001)	Fish 7/39	Fish 7/39	Fish 0.0000001～0.0000011	(Fish 0.0000001)									
435-1-5-1	1,2,3,4,7-Pentachlorodibenzo-*p*-dioxin		1985					0/51	0/51	－	(0.00005)	Fish 0/51	Fish 0/51	Fish －	(Fish 0.00005)									435-1-5-1
			1986	0/18	0/18	－	(0.00001)	0/39	0/39	－	(0.000001)	Fish 0/32	Fish 0/32	Fish －	(Fish 0.000001)									
435-1-5-2	1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin	40321-76-4	1985					0/51	0/51	－	(0.00005)	Fish 0/51	Fish 0/51	Fish －	(Fish 0.00005)									435-1-5-2
			1986	0/18	0/18	－	(0.00001)	20/39	20/39	0.000001～0.000019	(0.000001)	Fish 2/32	Fish 2/32	Fish 0.000002	(Fish 0.000001)									
			1988					20/30	20/30	0.000001～0.000007	(0.000001)	Bivalves 2/2 Fish 4/30	Bivalves 2/2 Fish 4/30	Bivalves 0.000002～0.000009 Fish 0.000001～0.000003	(Bivalves 0.000001) (Fish 0.000001)									
			1989					19/33	19/33	0.000001～0.000005	(0.000001)	Bivalves 2/3 Fish 1/32	Bivalves 2/3 Fish 1/32	Bivalves 0.000001 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1990					20/33	20/33	0.000001～0.000014	(0.000001)	Bivalves 0/3 Fish 3/32	Bivalves 0/3 Fish 3/32	Bivalves － Fish 0.000001～0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1991					22/35	22/35	0.000001～0.000010	(0.000001)	Bivalves 0/3 Fish 5/34	Bivalves 0/3 Fish 5/34	Bivalves － Fish 0.000001～0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1992					22/36	22/36	0.000001～0.000006	(0.000001)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves － Fish 0.000001	(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^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			
			1993					22/36	22/36	0.000001～0.000009	(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					21/36	21/36	0.000001～0.000006	(0.000001)	Bivalves 0/1 Fish 2/34	Bivalves 0/1 Fish 2/34	Bivalves － Fish 0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1995					20/36	20/36	0.000001～0.000008	(0.000001)	Bivalves 0/1 Fish 3/34	Bivalves 0/1 Fish 3/34	Bivalves － Fish 0.000001～0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1996					32/36	32/36	0.0000001～0.0000055	(0.0000001)	Fish 32/35	Fish 32/35	Fish 0.0000001～0.0000029	(Fish 0.0000001)									
			1997					35/40	35/40	0.0000001～0.0000056	(0.0000001)	Fish 32/39	Fish 32/39	Fish 0.0000001～0.0000007	(Fish 0.0000001)									
435-1-6	Hexachlorodibenzo-*p*-dioxins																							435-1-6
	(Other than 1,2,3,4,7,8-isomer and 1,2,3,6,7,8-isomer)		1985					10/51	10/51	0.00006～0.00017	(0.00005)	Fish 0/51	Fish 0/51	Fish －	(Fish 0.00005)									
	(Other than 1,2,3,4,7,8-isomer 1,2,3,6,7,8-isomer and 1,2,3,7,8,9-isomer)		1986	0/18	0/18	－	(0.00001)	33/39	33/39	0.000001～0.00048	(0.000001)	Fish 4/32	Fish 4/32	Fish 0.000003～0.000022	(Fish 0.000001)									
			1988					27/30	27/30	0.000004～0.00014	(0.000001)	Bivalves 1/2 Fish 5/30	Bivalves 1/2 Fish 5/30	Bivalves 0.000002 Fish 0.000002～0.000010	(Bivalves 0.000001) (Fish 0.000001)									
			1989					30/33	30/33	0.000001～0.00046	(0.000001)	Bivalves 2/3 Fish 6/32	Bivalves 2/3 Fish 6/32	Bivalves 0.000006～0.000029 Fish 0.000001～0.000011	(Bivalves 0.000001) (Fish 0.000001)									
			1990					31/33	31/33	0.000002～0.00059	(0.000001)	Bivalves 1/3 Fish 2/32	Bivalves 1/3 Fish 2/32	Bivalves 0.000004 Fish 0.000002～0.000003	(Bivalves 0.000001) (Fish 0.000001)									
			1991					32/35	32/35	0.000003～0.00039	(0.000001)	Bivalves 1/3 Fish 0/34	Bivalves 1/3 Fish 0/34	Bivalves 0.000007 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1992					32/36	32/36	0.000003～0.00029	(0.000001)	Bivalves 2/3 Fish 0/34	Bivalves 2/3 Fish 0/34	Bivalves 0.000002 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1993					33/36	33/36	0.000001～0.00039	(0.000001)	Bivalves 2/3 Fish 0/34	Bivalves 2/3 Fish 0/34	Bivalves 0.000001～0.000002 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1994					33/36	33/36	0.000001～0.00048	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1995					34/36	34/36	0.000001～0.00038	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000002 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1996					36/36	36/36	0.0000005～0.00044	(0.0000002)	Fish 0/35	Fish 0/35	Fish －	(Fish 0.0000002)									
			1997					38/40	38/40	0.0000005～0.00046	(0.0000002)	Fish 1/39	Fish 1/39	Fish 0.0000004	(Fish 0.0000002)									
435-1-6-1	1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin		1985					0/51	0/51	－	(0.00005)	Fish 0/51	Fish 0/51	Fish －	(Fish 0.00005)									435-1-6-1
			1986	0/18	0/18	－	(0.00001)	17/39	17/39	0.000001～0.000011	(0.000001)	Fish 0/32	Fish 0/32	Fish －	(Fish 0.000001)									
			1988					14/30	14/30	0.000001～0.000004	(0.000001)	Bivalves 0/2 Fish 0/30	Bivalves 0/2 Fish 0/30	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1989					19/33	19/33	0.000001～0.000009	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1990					25/33	25/33	0.000001～0.000020	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1991					22/35	22/35	0.000001～0.000014	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1992					26/36	26/36	0.000001～0.000012	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1993					27/36	27/36	0.000001～0.000022	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1994					25/36	25/36	0.000001～0.000020	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1995					26/36	26/36	0.000001～0.000015	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1996					30/36	30/36	0.0000002～0.000013	(0.0000002)	Fish 4/35	Fish 4/35	Fish 0.0000002～0.0000012	(Fish 0.0000002)									
			1997					34/40	34/40	0.0000002～0.000014	(0.0000002)	Fish 1/39	Fish 1/39	Fish 0.0000003	(Fish 0.0000002)									
435-1-6-2	1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin	57653-85-7	1985					0/51	0/51	－	(0.00005)	Fish 0/51	Fish 0/51	Fish －	(Fish 0.00005)									435-1-6-2
			1986	0/18	0/18	－	(0.00001)	23/39	23/39	0.000001～0.000039	(0.000001)	Fish 0/32	Fish 0/32	Fish －	(Fish 0.000001)									
			1988					23/30	23/30	0.000001～0.000016	(0.000001)	Bivalves 0/2 Fish 1/30	Bivalves 0/2 Fish 1/30	Bivalves － Fish 0.000003	(Bivalves 0.000001) (Fish 0.000001)									
			1989					26/33	26/33	0.000002～0.000024	(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	0.000001～0.000031	(0.000001)	Bivalves 0/3 Fish 1/32	Bivalves 0/3 Fish 1/32	Bivalves － Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1991					25/35	25/35	0.000002～0.000029	(0.000001)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves － Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1992					27/36	27/36	0.000001～0.000022	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1993					29/36	29/36	0.000001～0.000033	(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	0.000001～0.000031	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1995					28/36	28/36	0.000001～0.000032	(0.000001)	Bivalves 0/1 Fish 1/34	Bivalves 0/1 Fish 1/34	Bivalves － Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1996					32/36	32/36	0.0000003～0.000027	(0.0000002)	Fish 11/35	Fish 11/35	Fish 0.0000002～0.0000024	(Fish 0.0000002)									
			1997					36/40	36/40	0.0000004～0.000028	(0.0000002)	Fish 5/39	Fish 5/39	Fish 0.0000002～0.0000007	(Fish 0.0000002)									

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^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			
435-1-6-3	1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin	19408-74-3	1986	0/18	0/18	—	(0.00001)	23/39	23/39	0.000001〜0.000042	(0.000001)	Fish 0/32	Fish 0/32	Fish —	(Fish 0.000001)									435-1-6-3
			1988					24/30	24/30	0.000001〜0.000013	(0.000001)	Bivalves 0/2 Fish 3/30	Bivalves 0/2 Fish 3/30	Bivalves — Fish 0.000002〜0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1989					24/33	24/33	0.000001〜0.000025	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1990					28/33	28/33	0.000002〜0.000040	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1991					24/35	24/35	0.000001〜0.000033	(0.000001)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves — Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1992					26/36	26/36	0.000001〜0.000024	(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					29/36	29/36	0.000001〜0.000025	(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	0.000001〜0.000032	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1995					28/36	28/36	0.000001〜0.000027	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					32/36	32/36	0.0000004〜0.000025	(0.0000002)	Fish 3/35	Fish 3/35	Fish 0.0000002〜0.0000007	(Fish 0.0000002)									
			1997					36/40	36/40	0.0000002〜0.000031	(0.0000002)	Fish 1/39	Fish 1/39	Fish 0.0000002	(Fish 0.0000002)									
435-1-7	Heptachlorodibenzo-*p*-dioxins																							435-1-7
435-1-7-1	1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin	35822-46-9	1985					28/51	28/51	0.00005〜0.00050	(0.00005)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00005)									435-1-7-1
			1986	0/18	0/18	—	(0.00005)	32/39	32/39	0.000011〜0.0020	(0.000005)	Fish 3/32	Fish 3/32	Fish 0.000008〜0.000021	(Fish 0.000005)									
			1988					27/30	27/30	0.000011〜0.00014	(0.000005)	Bivalves 0/2 Fish 0/30	Bivalves 0/2 Fish 0/30	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1989					29/33	29/33	0.000007〜0.00075	(0.000005)	Bivalves 0/3 Fish 3/32	Bivalves 0/3 Fish 3/32	Bivalves — Fish 0.000008〜0.000027	(Bivalves 0.000005) (Fish 0.000005)									
			1990					29/33	29/33	0.000009〜0.00089	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					29/35	29/35	0.000008〜0.00075	(0.000005)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves — Fish 0.000020	(Bivalves 0.000005) (Fish 0.000005)									
			1992					31/36	31/36	0.000005〜0.00078	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					32/36	32/36	0.000005〜0.00072	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					31/36	31/36	0.000006〜0.00078	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1995					32/36	32/36	0.000005〜0.00083	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1996					36/36	36/36	0.0000004〜0.00098	(0.0000002)	Fish 31/35	Fish 31/35	Fish 0.0000002〜0.0000014	(Fish 0.0000002)									
			1997					39/40	39/40	0.0000005〜0.00096	(0.0000002)	Fish 16/39	Fish 16/39	Fish 0.0000002〜0.0000004	(Fish 0.0000002)									
435-1-7-2	1,2,3,4,7,8,9-Heptachlorodibenzo-*p*-dioxin	58200-70-7	1985					30/51	30/51	0.00006〜0.00048	(0.00005)	Fish 0/51	Fish 0/51	Fish —	(Fish 0.00005)									435-1-7-2
			1986	0/18	0/18	—	(0.00005)	33/39	33/39	0.000006〜0.0028	(0.000005)	Fish 3/32	Fish 3/32	Fish 0.000005〜0.000018	(Fish 0.000005)									
			1988					27/30	27/30	0.000016〜0.00026	(0.000005)	Bivalves 0/2 Fish 1/30	Bivalves 0/2 Fish 1/30	Bivalves — Fish 0.000008	(Bivalves 0.000005) (Fish 0.000005)									
			1989					29/33	29/33	0.000008〜0.0016	(0.000005)	Bivalves 0/3 Fish 4/32	Bivalves 0/3 Fish 4/32	Bivalves — Fish 0.000008〜0.000023	(Bivalves 0.000005) (Fish 0.000005)									
			1990					29/33	29/33	0.000012〜0.0018	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					31/35	31/35	0.000006〜0.0016	(0.000005)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves — Fish 0.000016	(Bivalves 0.000005) (Fish 0.000005)									
			1992					32/36	32/36	0.000006〜0.0015	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					32/36	32/36	0.000007〜0.0015	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					31/36	31/36	0.000007〜0.0015	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — 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)									
435-1-8	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)									435-1-8
			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 Fish 0/30	Bivalves 2/2 Fish 0/30	Bivalves 0.000009〜0.000011 Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1989					31/33	31/33	0.000014〜0.015	(0.000005)	Bivalves 3/3 Fish 3/32	Bivalves 3/3 Fish 3/32	Bivalves 0.000008〜0.000021 Fish 0.00012〜0.00028	(Bivalves 0.000005) (Fish 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 Fish 1/34	Bivalves 3/3 Fish 1/34	Bivalves 0.000006〜0.000027 Fish 0.000019	(Bivalves 0.000005) (Fish 0.000005)									

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^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			
			1992					34/36	34/36	0.000019～0.014	(0.000005)	Bivalves 3/3 Fish 0/34	Bivalves 3/3 Fish 0/34	Bivalves 0.000006～0.000018 Fish －	(Bivalves 0.000005) (Fish 0.000005)									
			1993					34/36	34/36	0.000010～0.012	(0.000005)	Bivalves 2/3 Fish 0/34	Bivalves 2/3 Fish 0/34	Bivalves 0.000006～0.000007 Fish －	(Bivalves 0.000005) (Fish 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)									
435-2	Polychlorinateddibenzofurans																							435-2
435-2-4	Tetrachlorodibenzofurans																							435-2-4
	(Other than 1,3,6,8-isomer and 2,3,7,8-isomer)		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 Fish 22/30	Bivalves 2/2 Fish 22/30	Bivalves 0.000020～0.000030 Fish 0.000001～0.000071	(Bivalves 0.000001) (Fish 0.000001)									
			1989					31/33	31/33	0.000001～0.000240	(0.000001)	Bivalves 3/3 Fish 26/32	Bivalves 3/3 Fish 26/32	Bivalves 0.000005～0.000037 Fish 0.000001～0.000030	(Bivalves 0.000001) (Fish 0.000001)									
			1990					31/33	31/33	0.000001～0.00055	(0.000001)	Bivalves 3/3 Fish 30/32	Bivalves 3/3 Fish 30/32	Bivalves 0.000014～0.000018 Fish 0.000001～0.00011	(Bivalves 0.000001) (Fish 0.000001)									
			1991					32/35	32/35	0.000004～0.00079	(0.000001)	Bivalves 3/3 Fish 32/34	Bivalves 3/3 Fish 32/34	Bivalves 0.000014～0.000034 Fish 0.000002～0.00049	(Bivalves 0.000001) (Fish 0.000001)									
			1992					33/36	33/36	0.000001～0.00081	(0.000001)	Bivalves 3/3 Fish 29/34	Bivalves 3/3 Fish 29/34	Bivalves 0.000006～0.000044 Fish 0.000002～0.00021	(Bivalves 0.000001) (Fish 0.000001)									
			1993					32/36	32/36	0.000001～0.00020	(0.000001)	Bivalves 3/3 Fish 0/34	Bivalves 3/3 Fish 0/34	Bivalves 0.000004～0.000029 Fish －	(Bivalves 0.000001) (Fish 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)									
435-2-4-1	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)									435-2-4-1
			1988					9/30	9/30	0.000001～0.000023	(0.000001)	Bivalves 2/2 Fish 18/30	Bivalves 2/2 Fish 18/30	Bivalves 0.000001～0.000002 Fish 0.000001～0.000012	(Bivalves 0.000001) (Fish 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 Fish 0/32	Bivalves 3/3 Fish 0/32	Bivalves 0.000001～0.000002 Fish －	(Bivalves 0.000001) (Fish 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 Fish 0.000001～0.000026	(Bivalves 0.000001) (Fish 0.000001)									
			1992					17/36	17/36	0.000001～0.00017	(0.000001)	Bivalves 2/3 Fish 0/34	Bivalves 2/3 Fish 0/34	Bivalves 0.000002～0.000006 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1993					13/36	13/36	0.000001～0.000013	(0.000001)	Bivalves 1/3 Fish 0/34	Bivalves 1/3 Fish 0/34	Bivalves 0.000003 Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1994					9/36	9/36	0.000001～0.000009	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1995					20/36	20/36	0.000001～0.000017	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves － Fish －	(Bivalves 0.000001) (Fish 0.000001)									
			1996					29/36	29/36	0.0000002～0.000018	(0.0000001)	Fish 10/35	Fish 10/35	Fish 0.0000001～0.0000003	(Fish 0.0000001)									
			1997					35/40	35/40	0.0000001～0.000035	(0.0000001)	Fish 9/39	Fish 9/39	Fish 0.0000001～0.0000009	(Fish 0.0000001)									
435-2-4-2	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)									435-2-4-2
			1986	0/18	0/18	－	(0.00001)	13/39	13/39	0.000001～0.000018	(0.000001)	Fish 11/32	Fish 11/32	Fish 0.000001～0.000005	(Fish 0.000001)									
			1987					18/37	18/37	0.000001～0.000006	(0.000001)	Fish 7/37	Fish 7/37	Fish 0.000001～0.000004	(Fish 0.000001)									
			1988					10/30	10/30	0.000001～0.000009	(0.000001)	Bivalves 2/2 Fish 19/30	Bivalves 2/2 Fish 19/30	Bivalves 0.000002 Fish 0.000001～0.000008	(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^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			
			1989					20/33	20/33	0.000001～0.000016	(0.000001)	Bivalves 2/3 Fish 9/32	Bivalves 2/3 Fish 9/32	Bivalves 0.000001～0.000002 Fish 0.000001～0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1990					21/33	21/33	0.000001～0.000020	(0.000001)	Bivalves 1/3 Fish 23/32	Bivalves 1/3 Fish 23/32	Bivalves 0.000001 Fish 0.000001～0.000020	(Bivalves 0.000001) (Fish 0.000001)									
			1991					22/35	22/35	0.000001～0.00015	(0.000001)	Bivalves 1/3 Fish 8/34	Bivalves 1/3 Fish 8/34	Bivalves 0.000001 Fish 0.000001～0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1992					22/36	22/36	0.000001～0.000035	(0.000001)	Bivalves 1/3 Fish 10/34	Bivalves 1/3 Fish 10/34	Bivalves 0.000001 Fish 0.000001～0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1993					20/36	20/36	0.000001～0.000015	(0.000001)	Bivalves 1/3 Fish 11/34	Bivalves 1/3 Fish 11/34	Bivalves 0.000001 Fish 0.000001～0.000003	(Bivalves 0.000001) (Fish 0.000001)									
			1994					15/36	15/36	0.000001～0.000017	(0.000001)	Bivalves 0/1 Fish 11/34	Bivalves 0/1 Fish 11/34	Bivalves － Fish 0.000001～0.000004	(Bivalves 0.000001) (Fish 0.000001)									
			1995					22/36	22/36	0.000001～0.000024	(0.000001)	Bivalves 0/1 Fish 7/34	Bivalves 0/1 Fish 7/34	Bivalves － Fish 0.000002～0.000004	(Bivalves 0.000001) (Fish 0.000001)									
			1996					29/36	29/36	0.0000002～0.000014	(0.0000001)	Fish 33/35	Fish 33/35	Fish 0.0000001～0.0000027	(Fish 0.0000001)									
			1997					34/40	34/40	0.0000001～0.000016	(0.0000001)	Fish 36/39	Fish 36/39	Fish 0.0000001～0.0000037	(Fish 0.0000001)									
435-2-5	Pentachlorodibenzofurans																							435-2-5
	(Other than 1,2,3,7,8-isomer and 2,3,4,7,8-isomer)		1987					32/37	32/37	0.000002～0.00016	(0.000001)	Fish 7/37	Fish 7/37	Fish 0.000001～0.000009	(Fish 0.000001)									
			1988					27/30	27/30	0.000002～0.000093	(0.000001)	Bivalves 2/2 Fish 20/30	Bivalves 2/2 Fish 20/30	Bivalves 0.000001～0.000003 Fish 0.000002～0.000034	(Bivalves 0.000001) (Fish 0.000001)									
			1989					29/33	29/33	0.000001～0.00043	(0.000001)	Bivalves 3/3 Fish 21/32	Bivalves 3/3 Fish 21/32	Bivalves 0.000010～0.000018 Fish 0.000001～0.000055	(Bivalves 0.000001) (Fish 0.000001)									
			1990					29/33	29/33	0.000015～0.00031	(0.000001)	Bivalves 2/3 Fish 25/32	Bivalves 2/3 Fish 25/32	Bivalves 0.000007 Fish 0.000003～0.000041	(Bivalves 0.000001) (Fish 0.000001)									
			1991					30/35	30/35	0.000006～0.00021	(0.000001)	Bivalves 3/3 Fish 28/34	Bivalves 3/3 Fish 28/34	Bivalves 0.000005～0.000008 Fish 0.000001～0.000088	(Bivalves 0.000001) (Fish 0.000001)									
			1992					32/36	32/36	0.000002～0.00055	(0.000001)	Bivalves 2/3 Fish 24/34	Bivalves 2/3 Fish 24/34	Bivalves 0.000003～0.000005 Fish 0.000002～0.000073	(Bivalves 0.000001) (Fish 0.000001)									
			1993					31/36	31/36	0.000005～0.00031	(0.000001)	Bivalves 2/3 Fish 1/34	Bivalves 2/3 Fish 1/34	Bivalves 0.000004～0.000009 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1994					29/36	29/36	0.000008～0.00027	(0.000001)	Bivalves 0/1 Fish 3/34	Bivalves 0/1 Fish 3/34	Bivalves － Fish 0.000001～0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1995					32/36	32/36	0.000003～0.00037	(0.000001)	Bivalves 1/1 Fish 1/34	Bivalves 1/1 Fish 1/34	Bivalves 0.000007 Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1996					35/36	35/36	0.0000002～0.00081	(0.0000001)	Fish 22/35	Fish 22/35	Fish 0.0000001～0.0000015	(Fish 0.0000001)									
			1997					39/40	39/40	0.0000006～0.001	(0.0000001)	Fish 23/39	Fish 23/39	Fish 0.0000001～0.0000064	(Fish 0.0000001)									
435-2-5-1	1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1987					11/37	11/37	0.000001～0.000011	(0.000001)	Fish 1/37	Fish 1/37	Fish 0.000002	(Fish 0.000001)									435-2-5-1
			1988					10/30	10/30	0.000001～0.000006	(0.000001)	Bivalves 0/2 Fish 6/30	Bivalves 0/2 Fish 6/30	Bivalves － Fish 0.000002～0.000009	(Bivalves 0.000001) (Fish 0.000001)									
			1989					21/33	21/33	0.000001～0.000013	(0.000001)	Bivalves 2/3 Fish 1/32	Bivalves 2/3 Fish 1/32	Bivalves 0.000002 Fish 0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			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	0.0000001～0.000027	(0.0000001)	Fish 28/35	Fish 28/35	Fish 0.0000001～0.0000010	(Fish 0.0000001)									
			1997					36/40	36/40	0.0000001～0.000027	(0.0000001)	Fish 22/39	Fish 22/39	Fish 0.0000001～0.0000005	(Fish 0.0000001)									
435-2-5-2	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)									435-2-5-2

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^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			
			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	0.0000001～0.000016	(0.0000001)	Fish 32/35	Fish 32/35	Fish 0.0000001～0.0000033	(Fish 0.0000001)									
			1997					35/40	35/40	0.0000001～0.000018	(0.0000001)	Fish 37/39	Fish 37/39	Fish 0.0000001～0.0000017	(Fish 0.0000001)									
435-2-6	Hexachlorodibenzofurans																							435-2-6
	(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	0.000003～0.00026	(0.000001)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000001)									
			1989					29/33	29/33	0.000001～0.00014	(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	0.000010～0.00030	(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	0.000002～0.00021	(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	0.000002～0.00089	(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	0.000003～0.00039	(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	0.000001～0.00048	(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	0.000001～0.00035	(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	0.0000002～0.0010	(0.0000002)	Fish 0/35	Fish 0/35	Fish —	(Fish 0.0000002)									
			1997					39/40	39/40	0.0000005～0.0015	(0.0000002)	Fish 7/39	Fish 7/39	Fish 0.0000002～0.0000059	(Fish 0.0000002)									
435-2-6-1	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)									435-2-6-1
			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)									
			1995					28/36	28/36	0.000002～0.000065	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000002 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					32/36	32/36	0.0000002～0.000040	(0.0000002)	Fish 6/35	Fish 6/35	Fish 0.0000002～0.0000006	(Fish 0.0000002)									
			1997					36/40	36/40	0.0000003～0.000044	(0.0000002)	Fish 0/39	Fish 0/39	Fish —	(Fish 0.0000002)									
435-2-6-2	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	1987					24/37	24/37	0.000001～0.000025	(0.000001)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000001)									435-2-6-2
			1989					21/33	21/33	0.000001～0.000019	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1990					28/33	28/33	0.000001～0.000024	(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	0.000001～0.000024	(0.000001)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves — Fish 0.000008	(Bivalves 0.000001) (Fish 0.000001)									
			1992					26/36	26/36	0.000001～0.000026	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1993					30/36	30/36	0.000001～0.000047	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1994					27/36	27/36	0.000001～0.000042	(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^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			
			1995					26/36	26/36	0.000002〜0.000036	(0.000001)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000001 Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					30/36	30/36	0.0000002〜0.000022	(0.0000002)	Fish 4/35	Fish 4/35	Fish 0.0000002〜0.0000006	(Fish 0.0000002)									
			1997					34/40	34/40	0.0000002〜0.000028	(0.0000002)	Fish 0/39	Fish 0/39	Fish —	(Fish 0.0000002)									
435-2-6-3	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-38-8	1987					6/37	6/37	0.000001〜0.000009	(0.000001)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000001)									435-2-6-3
			1989					23/33	23/33	0.000001〜0.000037	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1990					2/33	2/33	0.000002〜0.000015	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1991					4/35	4/35	0.000002〜0.000004	(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					4/36	4/36	0.000001〜0.000005	(0.000001)	Bivalves 0/3 Fish 4/34	Bivalves 0/3 Fish 4/34	Bivalves — Fish 0.000002〜0.000010	(Bivalves 0.000001) (Fish 0.000001)									
			1993					23/36	23/36	0.000001〜0.000015	(0.000001)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1994					20/36	20/36	0.000001〜0.000011	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1995					16/36	16/36	0.000001〜0.000010	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					21/36	21/36	0.0000001〜0.0000015	(0.0000002)	Fish 0/35	Fish 0/35	Fish —	(Fish 0.0000002)									
			1997					17/40	17/40	0.0000003〜0.0000038	(0.0000002)	Fish 0/39	Fish 0/39	Fish —	(Fish 0.0000002)									
435-2-6-4	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	1987					0/37	0/37	—	(0.000001)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000001)									435-2-6-4
			1989					0/33	0/33	—	(0.000001)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1990					28/33	28/33	0.000001〜0.000055	(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	0.000001〜0.000062	(0.000001)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves — Fish 0.000001〜0.000002	(Bivalves 0.000001) (Fish 0.000001)									
			1992					29/36	29/36	0.000001〜0.000040	(0.000001)	Bivalves 0/3 Fish 1/34	Bivalves 0/3 Fish 1/34	Bivalves — Fish 0.000001	(Bivalves 0.000001) (Fish 0.000001)									
			1993					30/36	30/36	0.000001〜0.000094	(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	0.000001〜0.00010	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1995					28/36	28/36	0.000001〜0.000062	(0.000001)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000001) (Fish 0.000001)									
			1996					31/36	31/36	0.0000003〜0.000035	(0.0000002)	Fish 7/35	Fish 7/35	Fish 0.0000002〜0.0000012	(Fish 0.0000002)									
			1997					36/40	36/40	0.0000002〜0.000049	(0.0000002)	Fish 3/39	Fish 3/39	Fish 0.0000002〜0.0000004	(Fish 0.0000002)									
435-2-7	Heptachlorodibenzofurans																							435-2-7
	(Other than 1,2,3,4,6,7,8-isomer and 1,2,3,4,7,8,9-isomer)		1989					27/33	27/33	0.000010〜0.00019	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1990					28/33	28/33	0.000008〜0.00020	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					27/35	27/35	0.000006〜0.00027	(0.000005)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves — Fish 0.000010〜0.00013	(Bivalves 0.000005) (Fish 0.000005)									
			1992					29/36	29/36	0.000006〜0.00030	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					30/36	30/36	0.000009〜0.00043	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					29/36	29/36	0.000008〜0.00073	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1995					28/36	28/36	0.000012〜0.00043	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1996					35/36	35/36	0.0000005〜0.0016	(0.0000002)	Fish 9/35	Fish 9/35	Fish 0.0000002〜0.0000007	(Fish 0.0000002)									
			1997					37/40	37/40	0.0000011〜0.00051	(0.0000002)	Fish 6/39	Fish 6/39	Fish 0.0000002〜0.0000007	(Fish 0.0000002)									
435-2-7-1	1,2,3,4,6,7,8-Heptachloro dibenzofuran		1987					25/37	25/37	0.000006〜0.000099	(0.000005)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000005)									435-2-7-1
			1989					28/33	28/33	0.000007〜0.00033	(0.000005)	Bivalves 1/3 Fish 0/32	Bivalves 1/3 Fish 0/32	Bivalves 0.000006 Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1990					29/33	29/33	0.000012〜0.00026	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					27/35	27/35	0.000006〜0.00023	(0.000005)	Bivalves 0/3 Fish 2/34	Bivalves 0/3 Fish 2/34	Bivalves — Fish 0.000007〜0.000009	(Bivalves 0.000005) (Fish 0.000005)									
			1992					29/36	29/36	0.000005〜0.00037	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					31/36	31/36	0.000005〜0.00043	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					30/36	30/36	0.000007〜0.00062	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1995					28/36	28/36	0.000010〜0.00038	(0.000005)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000013 Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1996					36/36	36/36	0.0000004〜0.0011	(0.0000002)	Fish 27/35	Fish 27/35	Fish 0.0000002〜0.0000004	(Fish 0.0000002)									
			1997					39/40	39/40	0.0000002〜0.00043	(0.0000002)	Fish 7/39	Fish 7/39	Fish 0.0000003〜0.0000005	(Fish 0.0000002)									

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^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			
435-2-7-2	1,2,3,4,6,7,9-Heptachloro dibenzofuran		1987					0/37	0/37	—	(0.000005)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000005)									435-2-7-2
435-2-7-3	1,2,3,4,7,8,9-Heptachloro dibenzofuran		1987					22/37	22/37	0.000005〜0.00013	(0.000005)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000005)									435-2-7-3
			1989					9/33	9/33	0.000006〜0.000013	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1990					14/33	14/33	0.000005〜0.00011	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					19/35	19/35	0.000005〜0.000025	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1992					16/36	16/36	0.000005〜0.000056	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					21/36	21/36	0.000005〜0.000094	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					22/36	22/36	0.000005〜0.000098	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1995					21/36	21/36	0.000005〜0.000053	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1996					30/36	30/36	0.0000002〜0.00013	(0.0000002)	Fish 1/35	Fish 1/35	Fish 0.0000002	(Fish 0.0000002)									
			1997					36/40	36/40	0.0000002〜0.000077	(0.0000002)	Fish 0/39	Fish 0/39	Fish —	(Fish 0.0000002)									
435-2-8	Octachlorodibenzofuran		1987					32/37	32/37	0.000006〜0.00023	(0.000005)	Fish 0/37	Fish 0/37	Fish —	(Fish 0.000005)									435-2-8
			1988					27/30	27/30	0.000006〜0.000086	(0.000005)	Bivalves 0/2 Fish 0/30	Bivalves 0/2 Fish 0/30	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1989					29/33	29/33	0.000006〜0.00042	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1990					29/33	29/33	0.000013〜0.00068	(0.000005)	Bivalves 0/3 Fish 0/32	Bivalves 0/3 Fish 0/32	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1991					28/35	28/35	0.000009〜0.00039	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1992					30/36	30/36	0.000007〜0.0017	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1993					31/36	31/36	0.000005〜0.0020	(0.000005)	Bivalves 0/3 Fish 0/34	Bivalves 0/3 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1994					30/36	30/36	0.000006〜0.00080	(0.000005)	Bivalves 0/1 Fish 0/34	Bivalves 0/1 Fish 0/34	Bivalves — Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1995					30/36	30/36	0.000006〜0.0012	(0.000005)	Bivalves 1/1 Fish 0/34	Bivalves 1/1 Fish 0/34	Bivalves 0.000017 Fish —	(Bivalves 0.000005) (Fish 0.000005)									
			1996					35/36	35/36	0.0000009〜0.0012	(0.0000005)	Fish 4/35	Fish 4/35	Fish 0.0000005〜0.0000006	(Fish 0.0000005)									
			1997					38/40	38/40	0.0000016〜0.0018	(0.0000005)	Fish 0/39	Fish 0/39	Fish —	(Fish 0.0000005)									
	Dipentamethylenethiuramtetrasulfide	See Bis(piperidinothiocarbonyl)tetrasulphide																						
436	Diphenylamine	122-39-4	1976	0/80	0/20	—	(0.6〜5)	0/20	0/9	—	(0.20〜0.74)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.15 〜0.25)									436
			1990	3/81	1/27	0.4〜1.2	(0.2)	12/63	4/21	0.0063〜0.2	(0.005)	Fish 2/72	Fish 1/24	Fish 0.03	(Fish 0.02)									
			2007	17/57	8/19	0.011〜0.026	(0.0085)																	
437	Diphenyl disulphide	882-33-7	1983	0/30	0/10	—	(0.1)	0/30	0/10	—	(0.005〜0.024)													437
438	Diphenylether	101-84-8	1976	0/88	0/22	—	(0.6〜5)	0/28	0/11	—	(0.1〜0.74)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.15 〜0.25)									438
			1984	0/24	0/8	—	(0.02〜0.08)	0/24	0/8	—	(0.0006〜0.003)													
439	1,3-Diphenylguanidine	102-06-7	1978	0/42	0/14	—	(2〜50)	0/42	0/14	—	(0.1〜0.5)													439
	1,1-Diphenylhydrazine	See *N*,*N*-Diphenylhydrazine																						
	1,2-Diphenylhydrazine	See Hydrazobenzene																						
	N,*N*′-Diphenylhydrazine	See Hydrazobenzene																						
440	*N*,*N*-Diphenylhydrazine	530-50-7	1982	0/9	0/3	—	(10)	0/9	0/3	—	(0.3)													440
441	5,5-Diphenyl-2,4-imidazolidinedione (synonym: Phenytoin	57-41-0	2006	9/33	3/11	0.0040〜0.011	(0.0022)																	441
442	Diphenylmethane	101-81-5	1983	0/33	0/11	—	(0.03〜0.4)	3/33	2/11	0.059〜0.16	(0.004〜0.041)													442
			1984	2/138	1/46	0.6〜1.1	(0.008〜0.5)	10/138	4/46	0.0006〜0.0019	(0.0004〜0.044)	Fish 3/138	Fish 1/42	Fish 0.0019〜0.0049	(Fish 0.0001〜0.008)									
			2004					6/18	2/6	0.0013〜0.02	(0.0004)													
443	*N*,*N*′-Diphenyl-*p*-phenylenediamine	74-31-7	2004	0/18	0/6	—	(0.006)									3/3	1/1	0.002〜0.009	(0.001)					443
			2008	0/48	0/48	—	(0.0017)																	
			2010													W.S. 0/114	W.S. 0/37	W.S. —	(W.S. 0.00034)					
	Diphenyltin compounds	See Organotin compounds (synonym: Diphenyltin compounds																						
444	Diphenyl tolyl phosphate	26444-49-5	1981	0/63	0/21	—	(0.05)	0/63	0/21	—	(0.005)													444
	Disodium 4,4'-bis(2-sulfostyryl)bipheny	See Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)																						
445	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)													445
	Disodium 4,4'-Bis[(4-anilino-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]																						
446	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)													446
			2008													0/15	0/5	—	(0.16)					
	Distearyl thiodipropionate	See Dioctadecyl 3,3'-thiobispropionate																						
447	Disulfiram	97-77-8	1992	0/30	0/10	—	(2.64)																	447
	Disulfoton	See *O*,*O*-Diethyl *S*-[2-(ethylthio)ethyl] dithiophosphate																						
448	2,2'-Dithiobis(benzothiazole)	120-78-5	1977	0/12	0/6	—	(0.5)	0/12	0/6	—	(0.05〜0.17)													448
449	*N*,*N*′-Ditolyl-*p*-phenylenediamine	27417-40-9	2004	0/18	0/6	—	(0.009)									0/3	0/1	—	(0.0006)					449
			2008	0/48	0/48	—	(0.0020)																	
			2010													W.S. 0/114	W.S. 0/37	W.S. —	(W.S. 0.00051)					
450	Divinylbenzene	1321-74-0	2006	0/15	0/5	—	(0.002)																	450
451	*N*,*N*′-Dixylyl-*p*-phenylenediamine	28726-30-9	2004	0/18	0/6	—	(0.020)									0/3	0/1	—	(0.001)					451

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^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			
			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 *S*-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl *O*,*O*-dimethyl dithiophosphate																						
452	1,2,3,4,7,8,9,10,13,13,14,14-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)									452
	Dodecachlorododecahydrodimethanodibenzocyclooctene	See 1,2,3,4,7,8,9,10,13,13,14,14-Dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene																						
	EDDP	See *O*-Ethyl *S*,*S*-diphenyl dithiophosphate																						
	Edifenphos	See *O*-Ethyl *S*,*S*-diphenyl dithiophosphate																						
	EDTA	See Ethylenediaminetetraacetic acid																						
453	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	(Bivalves 0.000011) (Fish 0.000011) (Birds 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)					453
			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	(Bivalves 0.000015) (Fish 0.000015) (Birds 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 9/31 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	(Bivalves 0.000018) (Fish 0.000018) (Birds 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	(Bivalves 0.000005) (Fish 0.000005) (Birds 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 Fish77/80 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	(Bivalves 0.000003) (Fish 0.000003) (Birds 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) (Fish 0.000004) (Birds 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) (Fish 0.000003) (Birds 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)					
454	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) (Fish 0.000015) (Birds 0.000015)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00017～0.00077 C.S. 0.000091～0.00027	(W.S. 0.000066) (C.S. 0.000066)					454
			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) (Fish 0.000014) (Birds 0.000014)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00017～0.00046 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) (Birds 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)	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)					
			2007	0/48	0/48	—	(0.000005)	0/192	0/64	—	(0.000003)	Bivalves 26/31 Fish 64/80 Birds 5/10	Bivalves 6/7 Fish 14/16 Birds 1/2	Bivalves 0.000005～0.000020 Fish 0.000004～0.00069 Birds 0.00055～0.00065	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 18/36 C.S. 0/36	W.S. 18/36 C.S. 0/36	W.S. 0.0002～0.0003 C.S. —	(W.S. 0.0002) (C.S. 0.0002)					
			2008	0/48	0/48	—	(0.000003)	0/192	0/64	—	(0.000005)	Bivalves 27/31 Fish 79/85 Birds 6/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000003～0.000022 Fish 0.000003～0.00073 Birds 0.000003～0.0012	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.00012～0.00058 C.S. 0.00008～0.00020	(W.S. 0.00008) (C.S. 0.00008)					
			2009	0/49	0/49	—	(0.000002)	0/192	0/64	—	(0.000004)	Bivalves 27/31 Fish 82/90 Birds 6/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000004～0.000023 Fish 0.000003～0.00069 Birds 0.000004～0.00050	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 37/37 C.S. 33/37	W.S. 37/37 C.S. 33/37	W.S. 0.00011～0.00026 C.S. 0.00009～0.00027	(W.S. 0.00009) (C.S. 0.00009)					
	Endosulfan	See 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxides																						
	Endosulfan sulfate	See Endosulfansulfate																						
455	Endosulfansulfate	1031-07-8	1983	0/36	0/12	—	(0.03～0.4)	0/36	0/12	—	(0.003～0.054)													455
	Endrin	See 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																						
456	Epichlorohydrin	106-89-8	1977	0/3	0/1	—	(10)	0/3	0/1	—	(0.06)													456

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^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			
			1986	0/27	0/9	—	(0.5)	0/27	0/9	—	(0.02)													
			2002													7/10	4/5	1.0～2.8	(0.14)					
	EPN	See *O*-Ethyl *O*-4-nitorophenyl phenylphosphonothioate																						
457	1,2-Epoxybutane	106-88-7	2006	2/15	2/5	0.0026～0.0047	(0.0016)									6/9	2/3	26～160	(16)					457
	1,2-Epoxy-3-phenoxypropane	See 2,3-Epoxypropyl phenyl ether																						
458	1,2-Epoxypropane	75-56-9	1980	0/36	0/12	—	(0.2～5)	0/12	0/4	—	(0.002～0.004)													458
			1996													30/46	12/16	16～210	(16)					
459	2,3-Epoxy-1-propanol	556-52-5	1983	0/30	0/10	—	(2～5)	0/30	0/10	—	(0.01～0.05)													459
			2005	0/15	0/5	—	(0.0087)	2/18	1/6	0.036～0.069	(0.024)													
460	2,3-Epoxypropyl methacrylate	106-91-2	1986	0/30	0/10	—	(0.3)	0/24	0/8	—	(0.04)													460
			2011													0/33	0/11	—	(59)					
461	2,3-Epoxypropyl phenyl ether	122-60-1	1984	0/24	0/8	—	(0.1～0.6)	0/24	0/8	—	(0.006～0.02)													461
	Esfenvalerate	See (*S*)-*alpha*-Cyano-3-phenoxybenzyl (*S*)-2-(4-chlorophenyl)-3-methylbutyrate																						
462	17*beta*-Estradiol	50-28-2	2005	14/35	4/10	0.00015～0.0017	(0.00011)																	462
463	Estrone	53-16-7	2005	22/38	6/11	0.0004～0.0058	(0.00011)																	463
	1,2-Ethandiol	See Ethylene glycol																						
464	1,1'-[1,2-Ethanediylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	1987	0/75	0/25	—	(0.04)	6/60	3/20	0.0032～0.366	(0.003)	Fish 0/75	Fish 0/24	Fish —	(Fish 0.002)									464
	Ethanolamine	See 2-Aminoethanol																						
465	Ethene	74-85-1	1977	1/6	1/2	0.1	(0.05 ～5)	3/6	1/2	0.0002～0.0006	(0.005)													465
466	4' Ethoxyacetanilide (synonym: Phenacetin)	62-44-2	2006	0/15	0/5	—	(0.0006)																	466
			2007													0/27	0/9	—	(3.1)					
	4-Ethoxyaniline	See *p*-Phenetidine																						
	S-(*alpha*-(Ethoxycarbonyl)benzyl) *O*,*O*-dimethyl dithiophosphate	See Ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate																						
467	6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline	91-53-2	1980	0/42	0/14	—	(1～10)	0/42	0/14	—	(0.1～1.4)													467
	2-Ethoxyethanol	See Ethylene glycol monoethyl ether																						
468	2-Ethoxyethyl acetate	111-15-9	1986	0/30	0/10	—	(0.5)	0/30	0/10	—	(0.09)													468
			1995	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.0036)													
			2010													19/54	8/18	12～260	(12)					
469	Ethyl acetate	141-78-6	1995													18/18	6/6	99～11,800	(2)					469
			2000													44/45	15/15	170～160,000	(40)					
			2010	0/69	0/23	—	(0.38)																	
470	Ethyl acrylate	140-88-5	1980	0/51	0/17	—	(0.3～50)	0/51	0/17	—	(0.0041～0.12)													470
			2001													3/15	1/5	0.6～1.8	(0.5)					
471	Ethylamine	75-04-7	1981	0/27	0/9	—	(0.8～2)	0/27	0/9	—	(0.005～0.01)													471
472	2-Ethylamino-4-isopropylamino-6-methylthio-1,3,5-triazine (synonym: Ametrine)	834-12-8	2006	3/33	1/11	0.0041～0.0051	(0.0032)																	472
473	*N*-Ethylaniline	103-69-5	1976	2/68	1/20	0.43～0.58	(0.1～0.6)	20/68	7/20	0.002～0.038	(0.002～0.008)													473
			1990	0/54	0/18	—	(0.05)	0/63	0/21	—	(0.05)	Fish 0/54	Fish 0/18	Fish —	(Fish 0.0043)	1/36	1/12	160	(130)					
474	2-Ethyl-9,10-anthraquinone	84-51-5	1985	0/33	0/11	—	(0.3)	0/33	0/11	—	(0.05)													474
	2-Ethylanthraquinone	See 2-Ethyl-9,10-anthraquinone																						
475	Ethylbenzene	100-41-4	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													475
			1985	0/21	0/7	—	(0.02)	3/21	1/7	0.0009～0.0027	(0.0008)													
			1986	7/133	5/46	0.03～1.1	(0.03)	28/120	15/40	0.0005～0.028	(0.0005)	Fish 43/138	Fish 16/42	Fish 0.001～0.0098	(Fish 0.001)									
			1999													45/45	15/15	89～10,000	(33)					
476	Ethyl-1,1'-biphenyl	40529-66-6	1976	0/68	0/15	—	(0.6～20)	0/50	0/15	—	(0.16～2.0)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.12～0.50)									476
	Ethylbiphenyl	See Ethyl-1,1'-biphenyl																						
	Ethyl bromide	See Bromoethane																						
	Ethyl cellosolve	See Ethylene glycol monoethyl ether																						
	Ethyl chloride	See Chloroethane																						
477	*S*-Ethyl (4-chloro-2-methylphenoxy) thioacetate (synonym: Phenothiol or MCPA-thioethyl)	25319-90-8	2006	0/15	0/5	—	(0.007)									0/18	0/6	—	(9)					477
	Ethyl *p*,*p'*-Dichlorobenzilate	See Chlorobenzilate																						
478	Ethyl 2-[(dimethoxyphosphinothioyl) thio]-2-phenylacetate (synonym: Phenthoate or PAP)	2597-03-7	1988	0/72	0/24	—	(0.1)	0/72	0/24	—	(0.051)	Fish 0/72	Fish 0/21	Fish —	(Fish 0.003)	0/72	0/12	—	(20)					478
			2007	0/84	0/12	—	(0.022)	0/30	0/12	—	(0.00045)													
479	*N*,*N'*- Ethylenebis(dithiocarbamamic acid) and its salts (Manganese *N*,*N'*-ethylenebis (dithiocarbamate) (synonym: Maneb), Zinc *N*,*N'*-ethylenebis (dithiocarbamate) (synonym: Zineb), Complex compound of Manganese *N*,*N'*-ethylenebis(dithiocarbamate) and Zinc *N*,*N'*-ethylenebis (dithiocarbamate) (synonym: Mancozeb or Manzeb) etc.)	115-54-6 (12427-38-2, 12122-67-7, 8018-01-7 etc.)	2000	0/15	0/5	—	(0.043)																	479
			2006	0/51	0/7	—	(0.03)					Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00013)									
480	Ethylene chlorohydrin	107-07-3	1980	0/24	0/8	—	(3～5)	0/24	0/8	—	(0.02～0.20)													480
481	Ethylenediamine	107-15-3	1987	0/87	0/29	—	(0.4)	1/84	1/28	0.087	(0.078)													481
482	Ethylenediaminetetraacetic acid	60-00-4	1979	0/24	0/8	—	(10～20)	5/24	2/8	2.3～13	(0.2～2.0)													482
			1994	4/21	2/7	17.3～27	(6.2)	0/21	0/7	—	(0.14)	Fish 0/18	Fish 0/6	Fish —	(Fish 0.33)									
			2005	24/24	8/8	2.2～260	(0.033)																	
	Ethylene dibromide	See 1,2-Dibromoethane																						
483	Ethylene glycol	107-21-1	1977	0/6	0/2	—	(100～400)	0/6	0/2	—	(1～2.0)													483
			1986	2/24	2/8	1.3～2.0	(0.8)	0/24	0/8	—	(0.06)													
484	Ethylene glycol monoethyl ether	110-80-5	1976	0/60	0/15	—	(90～100)	0/20	0/4	—	(0.4)													484
			2000													24/38	9/13	2.3～950	(2.3)					
	Ethylene glycol monoethyl ether acetate	See Acetic acid 2-ethoxyethyl																						
	Ethylene glycol monomethyl ether acetate	See Acetic acid 2-ethoxyethyl																						
485	Ethylene grycol mono methyl ether	109-86-4	1976	0/60	0/15	—	(90～100)	0/20	0/4	—	(0.4)													485
			2000													8/43	5/15	6.7～97	(6.1)					
			2004	0/18	0/6	—	(1.9)																	

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^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			
486	Ethyleneimine	151-56-4	2006	0/18	0/6	—	(0.004)																	486
			2007													0/18	0/6	—	(2.7)					
487	Ethylene oxide	75-21-8	1980	0/36	0/12	—	(0.2〜5)	0/12	0/4	—	(0.001〜0.003)													487
			1996													42/51	15/17	30〜300	(25)					
			2001	0/27	0/9	—	(0.098)	0/27	0/9	—	(0.0021)	Fish 0/24	Fish 0/8	Fish —	(Fish 0.0019)									
488	Ethyl formate	109-94-4	1981	0/9	0/3	—	(60)	0/9	0/3	—	(0.5)													488
489	*S*-Ethyl hexahydro-1*H*-azepine-1-carbothioate (synonym: Molinate)	2212-67-1	1992	1/42	1/14	0.077	(0.02)	1/42	1/14	0.0037	(0.002)	Fish 0/42	Fish 0/14	Fish —	(Fish 0.006)	0/49	0/16	—	(10)					489
			2007	7/84	1/12	0.0051〜0.0099	(0.0041)																	
490	2-Ethyl-1-hexanol	104-76-7	1979	0/30	0/10	—	(0.002〜200)	0/30	0/10	—	(0.00003〜2)													490
			1995	0/33	0/11	—	(6)	0/33	0/11	—	(0.61)													
	2-Ethylhexanol	See 2-Ethyl-1-hexanol																						
491	2-Ethylhexyl acrylate	103-11-7	1980	0/51	0/17	—	(1.1〜12)	0/24	0/8	—	(0.04〜0.13)													491
492	2-Ethylhexyl methacrylate	688-84-6	1999	0/27	0/9	—	(0.027)	1/33	1/11	0.0022	(0.00077)													492
493	Ethyl 4-hydroxybenzoate	120-47-8	2000	0/33	0/11	—	(0.027)	1/33	1/11	3.3	(1.5)	Fish 2/28	Fish 1/10	Fish 1.9〜2.2	(Fish 1.9)									493
494	*O*-Ethyl *O*-2-(isopropoxycarbonyl)phenyl*N*-isopropylphosphoramidothioate (synonym: Isofenphos)	25311-71-1	2006	0/24	0/8	—	(0.002)																	494
495	Ethyl methacrylate	97-63-2	1979	0/24	0/8	—	(0.005〜1)	0/24	0/8	—	(0.00010〜0.01)													495
			1999													0/18	0/6	—	(3.3)					
496	4-Ethylmorpholine	100-74-3	1979	0/33	0/11	—	(1〜30)	0/33	0/11	—	(0.01〜0.7)													496
497	*O*-Ethyl *O*-4-nitorophenyl phenylphosphonothioate (synonym: EPN)	2104-64-5	1986	0/39	0/13	—	(0.3)	0/39	0/13	—	(0.03)													497
			1993													0/54	0/18	—	(50)					
			2006	8/24	3/8	0.00010〜0.00018	(0.00009)																	
	Ethyl *p*-oxybenzoate	See Ethyl 4-hydroxybenzoate																						
498	2-Ethylphenol	90-00-6	1983	0/33	0/11	—	(0.04〜0.2)	0/33	0/11	—	(0.001〜0.02)													498
499	4-Ethylphenol	123-07-9	1983	0/33	0/11	—	(0.06〜0.3)	0/33	0/11	—	(0.001〜0.02)													499
	o-Ethylphenol	See 2-Ethylphenol																						
500	*m*-Ettylphenol	620-17-7	1983	0/33	0/11	—	(0.06〜0.3)	0/33	0/11	—	(0.001〜0.02)													500
	p-Ethylphenol	See 4-Ethylphenol																						
501	5-ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione (synonym: Phenobarbital)	50-06-6	2006	27/45	10/15	0.004〜0.17	(0.004)									0/15	0/5	—	(0.9)					501
502	*N*-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine (synonym: Pendimethalin	40487-42-1	2007	0/84	0/12	—	(0.0014)																	502
503	*O*-Ethyl *S*,*S*-diphenyl dithiophosphate (synonym: Edifenphos or EDDP)	17109-49-8	1993	0/51	0/17	—	(0.64)	0/51	0/17	—	(0.1)													503
504	*S*-2-(Ethylthio)ethyl*O*,*O*-dimethyl dithiophosphate (synonym: Thiometon)	640-15-3	2008													0/12	0/4	—	(0.23)					504
	Ethylthiometon	See *O*,*O*-Diethyl *S*-[2-(ethylthio)ethyl] dithiophosphate																						
505	17*alpha*-Ethynylestradiol	57-63-6	2005	0/32	0/9	—	(0.00011)																	505
	Fenitrothion	See *O*,*O*-Dimethyl *O*-(3-methyl-4-nitrophenyl) thiophosphate																						
	Fenobucarb	See 2-*sec*-Butylphenyl*N*-methylcarbamate																						
	Fenthion	See *O*,*O*-Dimethyl *O*-(3-methyl-4-methylthiophenyl) thiophosphate																						
	Fenvalerate	See *alpha*-Cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrat																						
	Fluazinam	See 3-Chloro-*N*-(3-chloro-5-trifluoromethyl-2-pyridyl)*alpha*,*alpha*,*alpha*-trifluoro-2,6-dinitro-p-toluidine																						
506	Fluoranthene	206-44-0	1999													39/39	13/13	0.58〜10	(0.050)					506
			2011	28/28	28/28	0.00017〜0.0032	(0.00015)																	
507	Fluorene	86-73-7	1983	0/33	0/11	—	(0.03〜0.4)	27/33	10/11	0.003〜0.091	(0.003〜0.041)													507
			1984	8/138	4/46	0.07〜2.5	(0.006〜1)	94/138	35/46	0.0010〜0.13	(0.0001〜0.088)	Fish 26/138	Fish 12/42	Fish 0.001〜0.37	(Fish 0.0003〜0.05)									
	Fluorescent 260	See Disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate																						
	Fluorescent 351	See Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate																						
508	Fluorine and its compounds (as Fluorine)	7782-41-4 etc.	1974	30/60	6/12	1.0〜700		59/59	12/12	28.1〜188		Bivalves 32/35 Fish 15/24	Bivalves 7/7 Fish 5/5	Bivalves 0.14〜113 Fish 0.28〜7.0										508
509	Fluorobenzene	462-06-6	1984	0/27	0/9	—	(0.01〜0.04)	0/27	0/9	—	(0.00009〜0.0010)													509
	Flutamide	See 2-Methyl-*N*-[4-nitro-3-(trifluoromethyl)phenyl]propanamide																						
510	Formaldehyde	50-00-0	1975	0/100	0/20	—	(100,000〜500,000)																	510
			1995	0/33	0/11	—	(2)																	
			2004									Fish 6/6	Fish 2/2	Fish 3.1〜4.2	(Fish 0.2)									
511	Fthalide	27355-22-2	1996	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.02)													511
512	Fumaric acid	110-17-8	1983	0/24	0/8	—	(1〜50)	0/24	0/8	—	(0.02〜0.25)													512
	2-Furaldehyde	See Furfural																						
513	Furfural	98-01-1	1996	0/33	0/11	—	(0.4)									6/15	2/5	42〜120	(40)					513
			2006													10/21	5/7	57〜85	(40)					
	Glycidyl methacrylate	See 2,3-Epoxypropyl methacrylate																						
514	Glyoxal	107-22-2	1980	20/33	7/11	1〜6	(1〜2)	29/33	10/11	0.06〜2.8	(0.005〜0.06)													514
	Glyphosate	See *N*-(Phosphonomethyl)glycine																						
	HCB	See Hexachlorobenzene																						
	HCFC-22	See Chlorodifluoromethane																						
	HCFC-141b	See 1,1-Dichloro-1-fluoroethane																						
	HCFC-142b	See 1-Chloro-1,1-difluoroethane																						
515	Heptachlor	76-44-8	1982	0/125	0/42	—	(0.005)	14/87	8/33	0.0002〜0.0037	(0.0002〜0.0003)	Fish 9/110	Fish 7/34	Fish 0.001〜0.01	(Fish 0.001)									515
			1986													0/73	0/12	—	(1.0)					
			2002	97/114	38/38	0.0000005〜0.000025	(0.0000005)	167/189	60/63	0.0000006〜0.00012	(0.0000006)	Bivalves 28/38 Fish 57/70 Birds 7/10	Bivalves 6/8 Fish 12/14 Birds 2/2	Bivalves 0.0000019〜0.000015 Fish 0.0000016〜0.000020 Birds 0.0000019〜0.0000052	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	102/102	34/34	0.00020〜0.22	(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^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			
			2003	36/36	36/36	0.0000010～0.000007	(0.0000005)	138/186	53/62	0.0000010～0.00016	(0.0000010)	Bivalves 16/30 Fish 29/70 Birds 0/10	Bivalves 4/6 Fish 8/14 Birds 0/2	Bivalves 0.0000023～0.000014 Fish 0.0000023～0.000011 Birds －	(Bivalves 0.0000022) (Fish 0.0000022) (Birds 0.0000022)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0011～0.24 C.S. 0.00039～0.065	(W.S. 0.000085) (C.S. 0.000085)					
			2004	9/38	9/38	0.000002～0.000029	(0.000002)	134/189	53/63	0.0000009～0.00017	(0.0000009)	Bivalves 23/31 Fish 50/70 Birds 1/10	Bivalves 6/7 Fish 11/14 Birds 1/2	Bivalves 0.0000015～0.000016 Fish 0.0000014～0.00046 Birds 0.0000015	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00046～0.20 C.S. 0.00053～0.10	(W.S. 0.000078) (C.S. 0.000078)					
			2005	25/47	25/47	0.000001～0.000054	(0.000001)	120/189	48/63	0.0000009～0.00020	(0.0000008)	Bivalves 18/31 Fish 32/80 Birds 0/10	Bivalves 6/7 Fish 8/16 Birds 0/2	Bivalves 0.0000020～0.000024 Fish 0.0000021～0.0000076 Birds －	(Bivalves 0.0000020) (Fish 0.0000020) (Birds 0.0000020)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0011～0.19 C.S. 0.00052～0.061	(W.S. 0.000054) (C.S. 0.000054)					
			2006	5/48	5/48	0.00000036～0.000006	(0.000002)	190/192	64/64	0.0000006～0.00023	(0.0000006)	Bivalves 23/31 Fish 36/80 Birds 0/10	Bivalves 6/7 Fish 8/16 Birds 0/2	Bivalves 0.000002～0.000020 Fish 0.000002～0.000008 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. 0.00088～0.16 C.S. 0.00032～0.056	(W.S. 0.00004) (C.S. 0.00004)					
			2007	12/48	12/48	0.0000008～0.0000052	(0.0000008)	143/192	57/64	0.0000007～0.00011	(0.0000007)	Bivalves 20/31 Fish 28/80 Birds 0/10	Bivalves 6/7 Fish 6/16 Birds 0/2	Bivalves 0.000002～0.000012 Fish 0.000002～0.000007 Birds －	(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. 0.0011～0.32 C.S. 0.00042～0.074	(W.S. 0.00003) (C.S. 0.00003)					
			2008	19/48	19/48	0.00000097～0.0000046	(0.0000008)	59/192	27/64	0.000001～0.000085	(0.000001)	Bivalves 13/31 Fish 25/85 Birds 0/10	Bivalves 5/7 Fish 7/17 Birds 0/2	Bivalves 0.000003～0.000009 Fish 0.000002～0.000009 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. 0.00092～0.19 C.S. 0.00051～0.060	(W.S. 0.00002) (C.S. 0.00002)					
			2009	20/49	20/49	0.0000012～0.000017	(0.0000003)	144/192	59/64	0.0000004～0.000065	(0.0000004)	Bivalves 14/31 Fish 30/90 Birds 0/10	Bivalves 4/7 Fish 11/18 Birds 0/2	Bivalves 0.000002～0.00012 Fish 0.000002～0.000008 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. 0.00048～0.11 C.S. 0.00015～0.048	(W.S. 0.00001) (C.S. 0.00001)					
			2010	4/49	4/49	0.00000066～0.000043	(0.0000007)	51/64	51/64	0.0000004～0.000035	(0.0000004)	Bivalves 5/6 Fish 12/18 Birds 1/2	Bivalves 5/6 Fish 12/18 Birds 1/2	Bivalves 0.000001～0.000078 Fish 0.000001～0.000005 Birds 0.000001	(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. 0.00069～0.16 C.S. 0.00022～0.053	(W.S. 0.00004) (C.S. 0.00004)					
			2011	6/49	6/49	0.00000025～0.000022	(0.0000005)	40/64	40/64	0.0000008～0.000048	(0.0000007)	Bivalves 3/4 Fish 13/18 Birds 0/1	Bivalves 3/4 Fish 13/18 Birds 0/1	Bivalves 0.000003～0.000051 Fish 0.000001～0.000007 Birds －	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00073～0.11 C.S. 0.00013～0.056	(W.S. 0.000099) (C.S. 0.000099)					
516	Heptachlor epoxide	1024-57-3	1982	0/126	0/42	－	(0.005)	3/126	2/42	0.0002～0.0006	(0.0002～0.001)	Fish 28/123	Fish 15/36	Fish 0.001～0.006	(Fish 0.001)									516
			1986													0/73	0/12	－	(0.5)					
			1996	0/33	0/11	－	(0.05)	0/33	0/11	－	(0.021)	Fish 0/32	Fish 0/11	Fish －	(Fish 0.005)									
516-1	*cis* -Heptachlor epoxide	1024-57-3	2003	36/36	36/36	0.0000012～0.00017	(0.0000002)	153/186	55/62	0.0000010～0.00016	(0.000001)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000097～0.00088 Fish 0.0000070～0.00032 Birds 0.00037～0.00077	(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. 0.00045～0.028 C.S. 0.00049～0.0066	(W.S. 0.0000048) (C.S. 0.0000048)					516-1
			2004	38/38	38/38	0.000002～0.000077	(0.0000004)	136/189	52/63	0.0000020～0.00023	(0.000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000098～0.00084 Fish 0.0000033～0.00062 Birds 0.00019～0.00035	(Bivalves 0.0000033) (Fish 0.0000033) (Birds 0.0000033)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00065～0.0097 C.S. 0.00044～0.0070	(W.S. 0.000017) (C.S. 0.000017)					
			2005	47/47	47/47	0.0000010～0.000059	(0.0000002)	119/189	49/63	0.000002～0.00014	(0.000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000074～0.00059 Fish 0.0000049～0.00039 Birds 0.00025～0.00069	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00010～0.011 C.S. 0.00043～0.0029	(W.S. 0.000044) (C.S. 0.000044)					
			2006	48/48	48/48	0.0000011～0.000047	(0.0000007)	157/192	58/64	0.0000010～0.00021	(0.0000010)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000008～0.0011 Fish 0.000004～0.00027 Birds 0.00024～0.00065	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.00013～0.0067 C.S. 0.00007～0.0032	(W.S. 0.00004) (C.S. 0.00004)					
			2007	48/48	48/48	0.0000009～0.00012	(0.0000004)	141/192	53/64	0.000001～0.00027	(0.000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000008～0.0011 Fish 0.000004～0.00039 Birds 0.00025～0.00035	(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. 0.00054～0.013 C.S. 0.00041～0.0030	(W.S. 0.00001) (C.S. 0.00001)					
			2008	46/48	46/48	0.0000009～0.000037	(0.0000002)	130/192	51/64	0.000001～0.00018	(0.000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000008～0.00051 Fish 0.000003～0.00035 Birds 0.00018～0.00056	(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. 0.00053～0.0099 C.S. 0.00037～0.0030	(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^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			
			2009	49/49	49/49	0.0000008～0.000072	(0.0000002)	176/192	63/64	0.0000003～0.00029	(0.0000003)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000010～0.00038 Fish 0.000004～0.00031 Birds 0.00016～0.00039	(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. 0.00037～0.016 C.S. 0.00042～0.0038	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.0000007～0.00071	(0.0000002)	62/64	62/64	0.0000003～0.00030	(0.0000003)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.0000090～0.0018 Fish 0.0000050～0.00023 Birds 0.00024～0.00036	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00038～0.010 C.S. 0.00033～0.0043	(W.S. 0.00001) (C.S. 0.00001)					
			2011	49/49	49/49	0.0000007～0.00016	(0.0000003)	63/64	63/64	0.0000002～0.00016	(0.0000002)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000039～0.00032 Fish 0.0000032～0.00054 Birds 0.00041	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00029～0.006 C.S. 0.00035～0.0028	(W.S. 0.00001) (C.S. 0.00001)					
516-2	*trans*-Heptachlor epoxide	1024-57-3	2003	4/36	4/36	0.0000005～0.000002	(0.0000004)	0/186	0/62	—	(0.000003)	Bivalves 5/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.000023～0.000048 Fish — Birds —	(Bivalves 0.0000044) (Fish 0.0000044) (Birds 0.0000044)	W.S. 18/35 C.S. 3/34	W.S. 18/35 C.S. 3/34	W.S. 0.000038～0.00030 C.S. 0.000034～0.000094	(W.S. 0.000033) (C.S. 0.000033)					516-2
			2004	0/38	0/38	—	(0.0000003)	1/189	1/63	0.0000025	(0.000002)	Bivalves 9/31 Fish 2/70 Birds 0/10	Bivalves 2/7 Fish 2/14 Birds 0/2	Bivalves 0.0000058～0.000055 Fish 0.0000043～0.000010 Birds —	(Bivalves 0.0000040) (Fish 0.0000040) (Birds 0.0000040)	W.S. 4/37 C.S. 0/37	W.S. 4/37 C.S. 0/37	W.S. 0.00021～0.00038 C.S. —	(W.S. 0.0002) (C.S. 0.0002)					
			2005	0/47	0/47	—	(0.0000002)	0/189	0/63	—	(0.000002)	Bivalves 5/31 Fish 0/80 Birds 0/10	Bivalves 1/7 Fish 0/16 Birds 0/2	Bivalves 0.000020～0.000037 Fish — Birds —	(Bivalves 0.0000075) (Fish 0.0000075) (Birds 0.0000075)	W.S. 27/37 C.S. 3/37	W.S. 27/37 C.S. 3/37	W.S. 0.00007～0.0012 C.S. 0.00005～0.00032	(W.S. 0.00005) (C.S. 0.00005)					
			2006	0/48	0/48	—	(0.0000006)	2/192	2/64	0.000004～0.000019	(0.000002)	Bivalves 5/31 Fish 0/80 Birds 0/10	Bivalves 1/7 Fish 0/16 Birds 0/2	Bivalves 0.000032～0.000045 Fish — Birds —	(Bivalves 0.000005) (Fish 0.000005) (Birds 0.000005)	W.S. 2/37 C.S. 1/37	W.S. 2/37 C.S. 1/37	W.S. 0.0007 C.S. 0.0001	(W.S. 0.0001) (C.S. 0.0001)					
			2007	2/48	2/48	0.0000009	(0.0000007)	2/192	2/64	0.000005～0.000031	(0.000004)	Bivalves 5/31 Fish 0/80 Birds 0/10	Bivalves 1/7 Fish 0/16 Birds 0/2	Bivalves 0.000029～0.000061 Fish — Birds —	(Bivalves 0.000005) (Fish 0.000005) (Birds 0.000005)	W.S. 8/36 C.S. 1/36	W.S. 8/36 C.S. 1/36	W.S. 0.00006～0.00016 C.S. 0.00006	(W.S. 0.00006) (C.S. 0.00006)					
			2008	0/48	0/48	—	(0.0000007)	0/192	0/64	—	(0.0000007)	Bivalves 5/31 Fish 0/85 Birds 0/10	Bivalves 1/7 Fish 0/17 Birds 0/2	Bivalves 0.000023～0.000033 Fish — Birds —	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 6/37 C.S. 0/37	W.S. 6/37 C.S. 0/37	W.S. 0.00007～0.00017 C.S. —	(W.S. 0.00006) (C.S. 0.00006)					
			2009	0/49	0/49	—	(0.0000003)	0/192	0/64	—	(0.0000006)	Bivalves 13/31 Fish 0/90 Birds 0/10	Bivalves 3/7 Fish 0/18 Birds 0/2	Bivalves 0.000003～0.000024 Fish — Birds —	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 10/37 C.S. 1/37	W.S. 10/37 C.S. 1/37	W.S. 0.00005～0.00018 C.S. 0.00006～0.00006	(W.S. 0.00005) (C.S. 0.00005)					
			2010	2/49	2/49	0.0000009～0.0000080	(0.0000005)	1/64	1/64	0.000004	(0.000001)	Bivalves 3/6 Fish 0/18 Birds 0/2	Bivalves 3/6 Fish 0/18 Birds 0/2	Bivalves 0.000005～0.000024 Fish — Birds —	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 6/37 C.S. 0/37	W.S. 6/37 C.S. 0/37	W.S. 0.00006～0.00016 C.S. —	(W.S. 0.00006) (C.S. 0.00006)					
			2011	3/49	3/49	0.0000003～0.0000028	(0.0000003)	2/64	2/64	0.0000012～0.0000024	(0.0000009)	Bivalves 1/4 Fish 0/18 Birds 0/1	Bivalves 1/4 Fish 0/18 Birds 0/1	Bivalves 0.000006 Fish — Birds —	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 5/35 C.S. 0/37	W.S. 5/35 C.S. 0/37	W.S. 0.00007～0.00014 C.S. —	(W.S. 0.00005) (C.S. 0.00005)					
517	1-Heptanol	111-70-6	1979	0/27	0/9	—	(5～50)	0/27	0/9	—	(0.3～1)													517
518	Hexabromobenzene	87-82-1	1977	0/15	0/7	—	(0.04～0.5)	0/15	0/7	—	(0.01～0.17)													518
			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 Fish 1/70 Birds 0/10	Bivalves 0/7 Fish 1/14 Birds 0/2	Bivalves — Fish 0.00012 Birds —	(Bivalves 0.0001) (Fish 0.0001) (Birds 0.0001)	W.S. 27/37 C.S. 12/37	W.S. 27/37 C.S. 12/37	W.S. 0.010～0.61 C.S. 0.0099～0.38	(W.S. 0.0097) (C.S. 0.0097)					
			2007	0/48	0/48	—	(0.0021)	44/192	21/64	0.0011～0.015	(0.0011)	Bivalves 0/31 Fish 8/80 Birds 3/10	Bivalves 0/7 Fish 6/16 Birds 1/2	Bivalves — Fish 0.0001～0.0002 Birds 0.0001～0.0002	(Bivalves 0.0001) (Fish 0.0001) (Birds 0.0001)									
	Hexabromobiphenyl	See Polybrominated biphenyl (Hexabromobiphenyl																						
519	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)									519
519-1	1,2,5,6,9,10-Hexabromo cyclododecanes	3194-55-6	2003	0/60	0/20	—	(0.087)	3/45	1/15	0.085～0.14	(0.023)													519-1
			2004									Fish 3/18	Fish 1/6	Fish 0.043～0.077	(Fish 0.0071)									
			2011	4/47	4/47	0.0047～0.073	(0.0022*)	64/186	27/62	0.000013～0.60	(0.0012)	Bivalves 7/10 Fish 34/51 Birds 1/3	Bivalves 3/4 Fish 13/17 Birds 1/1	Bivalves 0.0015～0.017 Fish 0.00033～0.12 Birds 0.0010	(Bivalves 0.00031*) (Fish 0.00031*) (Birds 0.00031*)									
519-1-1	α-1,2,5,6,9,10-Hexabromo cyclododecane	134237-50-6	2011	4/47	4/47	0.0019～0.0063	(0.0006)	78/186	35/62	0.00028～0.024	(0.00028)	Bivalves 10/10 Fish 41/51 Birds 1/3	Bivalves 4/4 Fish 16/17 Birds 1/1	Bivalves 0.000086～0.013 Fish 0.000071～0.069 Birds 0.00053	(Bivalves 0.00007) (Fish 0.00007) (Birds 0.00007)									519-1-1
519-1-2	β-1,2,5,6,9,10-Hexabromo cyclododecane	134237-51-7	2011	4/47	4/47	0.0007～0.0013	(0.0005)	48/186	21/62	0.00017～0.014	(0.00017)	Bivalves 7/10 Fish 11/51 Birds 0/3	Bivalves 3/4 Fish 5/17 Birds 0/1	Bivalves 0.000068～0.00024 Fish 0.00004～0.00076 Birds —	(Bivalves 0.00004) (Fish 0.00004) (Birds 0.00004)									519-1-2
519-1-3	γ-1,2,5,6,9,10-Hexabromo cyclododecane	134237-52-8	2011	5/47	5/47	0.0007～0.065	(0.0005)	89/186	36/62	0.00027～0.57	(0.00026)	Bivalves 8/10 Fish 26/51 Birds 1/3	Bivalves 4/4 Fish 10/17 Birds 1/1	Bivalves 0.000081～0.0033 Fish 0.000086～0.050 Birds 0.00046	(Bivalves 0.00008) (Fish 0.00008) (Birds 0.00008)									519-1-3

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^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			
519-1-4	δ-1,2,5,6,9,10-Hexabromo cyclododecane	Unknown	2011	0/47	0/47	—	(0.0003)	11/186	6/62	0.00026～0.00080	(0.00025)	Bivalves 0/10 Fish 0/51 Birds 0/3	Bivalves 0/4 Fish 0/17 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.00006) (Fish 0.00006) (Birds 0.00006)									519-1-4
519-1-5	ε-1,2,5,6,9,10-Hexabromo cyclododecane	Unknown	2011	0/47	0/47	—	(0.0003)	2/186	1/62	0.00023～0.00026	(0.00021)	Bivalves 0/10 Fish 0/51 Birds 0/3	Bivalves 0/4 Fish 0/17 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.00006) (Fish 0.00006) (Birds 0.00006)									519-1-5
520	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)									520
			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 Fish 30/30 Birds 0/7	Bivalves 0/2 Fish 6/6 Birds 0/1	Bivalves — Fish 0.001～0.007 Birds —	(Bivalves 0.001) (Birds 0.005)									
			1979									Bivalves 0/15 Fish 37/40 Birds 4/6	Bivalves 0/3 Fish 8/8 Birds 1/1	Bivalves — Fish 0.001～0.008 Birds 0.001～0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1980									Bivalves 0/15 Fish 29/50 Birds 4/8	Bivalves 0/3 Fish 7/10 Birds 1/1	Bivalves — Fish 0.001～0.007 Birds 0.001～0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1981									Bivalves 0/20 Fish 21/46 Birds 6/7	Bivalves 0/4 Fish 7/9 Birds 1/1	Bivalves — Fish 0.001～0.007 Birds 0.001～0.003	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1982									Bivalves 0/20 Fish 24/50 Birds 4/9	Bivalves 0/4 Fish 8/10 Birds 1/2	Bivalves — Fish 0.001～0.007 Birds 0.015～0.024	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1983									Bivalves 0/20 Fish 7/50 Birds 5/10	Bivalves 0/4 Fish 2/10 Birds 1/2	Bivalves — Fish 0.001 Birds 0.023～0.030	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 0/20 Fish 13/60 Birds 5/10	Bivalves 0/4 Fish 4/12 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.010～0.014	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 8/60 Birds 5/10	Bivalves 0/4 Fish 4/12 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.009～0.014	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	—			3/18	0.0002～0.0006		Bivalves 0/20 Fish 13/60 Birds 5/10	Bivalves 0/4 Fish 4/12 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.011～0.014	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		1/20	0.0054			8/20	0.00010～0.016		Bivalves 0/20 Fish 7/65 Birds 5/10	Bivalves 0/4 Fish 2/13 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.009～0.020	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988		1/22	0.0033			5/22	0.000083～0.0060		Bivalves 0/20 Fish 8/65 Birds 5/10	Bivalves 0/4 Fish 4/13 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.008～0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989		1/17	0.0005			5/17	0.00007～0.0092		Bivalves 0/21 Fish 19/65 Birds 5/10	Bivalves 0/5 Fish 4/13 Birds 1/2	Bivalves — Fish 0.001～0.009 Birds 0.010～0.012	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990		0/18	—			3/18	0.0010～0.0111		Bivalves 0/25 Fish 14/65 Birds 5/10	Bivalves 0/5 Fish 3/13 Birds 1/2	Bivalves — Fish 0.001～0.004 Birds 0.008～0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991		0/18	—			8/18	0.000047～0.014		Bivalves 0/30 Fish 13/65 Birds 5/10	Bivalves 0/6 Fish 4/13 Birds 1/2	Bivalves — Fish 0.001～0.004 Birds 0.005～0.008	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992		0/18	—			10/18	0.000051～0.012		Bivalves 0/30 Fish 7/70 Birds 5/10	Bivalves 0/6 Fish 2/14 Birds 1/2	Bivalves — Fish 0.001 Birds 0.005～0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993		0/19	—			12/19	0.000023～0.002		Bivalves 0/30 Fish 10/70 Birds 5/10	Bivalves 0/6 Fish 2/14 Birds 1/2	Bivalves — Fish 0.001～0.003 Birds 0.007～0.059	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994													8/24	4/8	1.1～3.5	(1)					
					0/17	—			10/17	0.000034～0.012		Bivalves 0/30 Fish 9/70 Birds 0/5	Bivalves 0/6 Fish 3/14 Birds 0/1	Bivalves — Fish 0.001～0.003 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995		0/18	—			7/18	0.000041～0.010		Bivalves 0/30 Fish 9/70 Birds 6/10	Bivalves 0/6 Fish 4/14 Birds 2/2	Bivalves — Fish 0.001 Birds 0.001～0.012	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996		0/18	—			4/18	0.000062～0.0069		Bivalves 0/30 Fish 5/70 Birds 5/10	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	—			3/18	0.000040～0.0075														
			1998		0/18	—			3/18	0.00083～0.0078		Bivalves 0/30 Fish 8/70 Birds 3/10	Bivalves 0/6 Fish 2/14 Birds 1/2	Bivalves — Fish 0.001 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999													39/39	13/13	0.013～1.1	(0.013)					
									5/18	0.00026～0.0041														
			2000						4/17	0.00018～0.0049		Bivalves 0/30 Fish 7/69 Birds 5/10	Bivalves 0/6 Fish 3/14 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.001～0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001						3/20	0.00051～0.0024		Bivalves 0/30 Fish 2/72 Birds 5/10	Bivalves 0/6 Fish 2/15 Birds 1/2	Bivalves — Fish 0.001～0.002 Birds 0.002～0.006	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	114/114	38/38	0.0000098～0.0014	(0.0000002)	189/189	63/63	0.0000076～0.019	(0.0000003)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.0000024～0.00033 Fish 0.000019～0.00091 Birds 0.00056～0.0016	(Bivalves 0.00000006) (Fish 0.00000006) (Birds 0.00000006)	102/102	34/34	0.057～3.0	(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^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			
			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)					
			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	(0.0000008)	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	(0.0000007)	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)					
			2011	49/49	49/49	0.000003～0.00014	(0.000002)	64/64	64/64	0.000011～0.035	(0.000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000004～0.00092 Fish 0.000034～0.0015 Birds 0.00046	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.087～0.18 C.S. 0.075～0.16	(W.S. 0.00075) (C.S. 0.00075)					
521	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)					521
522	Hexachlorobuta-1,3-diene	87-68-3	1981	0/18	0/6	—	(0.02)	0/18	0/6	—	(0.002～2)													522
			2007	0/12	0/4	—	(0.000096)	0/3	0/1	—	(0.0000092)													
				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)								
523	*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	Fish 7/12	Fish 0.005～0.015	(Fish 0.005)									523
			1978									Bivalves 10/10 Fish 30/30 Birds 6/7	Bivalves 2/2 Fish 6/6 Birds 1/1	Bivalves 0.002～0.005 Fish 0.001～0.021 Birds 0.001～0.005	(Bivalves 0.001) (Birds 0.001)								
			1979									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)								

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^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			
			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)									
			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	0.0000019〜0.0065	(0.0000003)	189/189	63/63	0.0000020〜0.0082	(0.0000004)	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	(0.0000009)	186/186	62/62	0.000002〜0.0095	(0.0000005)	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 0.00000061) (Fish 0.00000061) (Birds 0.00000061)	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	(0.0000006)	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	(0.0000006)	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	(0.0000006)	192/192	64/64	0.0000013〜0.012	(0.0000006)	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	(0.0000006)	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	(0.0000004)	191/192	64/64	0.0000012〜0.0063	(0.0000004)	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	(0.0000008)	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)					
			2011	49/49	49/49	0.000011〜0.0010	(0.000003)	64/64	64/64	0.0000016〜0.0051	(0.0000006)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000013〜0.0012 Fish 0.000002〜0.00069 Birds 0.000048	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0095〜0.41 C.S. 0.0065〜0.68	(W.S. 0.00083) (C.S. 0.00083)					

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^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			
524	*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)									524
			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)									
			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	(0.000002)	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 0.00000075) (Fish 0.00000075) (Birds 0.00000075)	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^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			
			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)					
			2011	49/49	49/49	0.000028～0.00084	(0.0000008)	64/64	64/64	0.000003～0.014	(0.000001)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000039～0.0020 Fish 0.000004～0.00071 Birds 0.0045	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00084～0.049 C.S. 0.00031～0.091	(W.S. 0.00013) (C.S. 0.00013)					
525	*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)									525
			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)									
			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)									

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^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			
			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. －)					
			2009	49/49	49/49	0.0000051～0.00028	(0.0000002)	191/192	64/64	0.0000006～0.0038	(0.0000002)	Bivalves 31/31 Fish 81/90 Birds 10/10	Bivalves 7/7 Fish 17/18 Birds 2/2	Bivalves 0.000003～0.000089 Fish 0.000003～0.00018 Birds 0.000006～0.000021	(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. 0.0029～0.065 C.S. 0.0015～0.055	(W.S. 0.00002) (C.S. 0.00002)					
			2010	49/49	49/49	0.000005～0.00019	(0.000002)	64/64	64/64	0.0000015～0.0023	(0.0000007)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000005～0.00015 Fish 0.000001～0.000056 Birds 0.000004～0.000023	(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. 0.0023～0.066 C.S. 0.0011～0.06	(W.S. 0.00012) (C.S. 0.00012)					
			2011	49/49	49/49	0.000003～0.00017	(0.000001)	62/64	62/64	0.000001～0.0035	(0.000001)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000005～0.00032 Fish 0.000001～0.00016 Birds 0.000026	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0027～0.098 C.S. 0.0011～0.067	(W.S. 0.00052) (C.S. 0.00052)					
526	*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	Fish 0/12	Fish －	(Fish 0.005)									526
			1978									Bivalves 0/10 Fish 2/30 Birds 2/7	Bivalves 0/2 Fish 1/6 Birds 1/1	Bivalves － Fish 0.001 Birds 0.002～0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1979									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)									
			1980									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)									
			1981									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)									
			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 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)									
			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)									

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^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			
			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	0.0000011～0.00020	(0.0000005)	180/186	61/62	0.0000007～0.0054	(0.0000007)	Bivalves 29/30 Fish 59/70 Birds 10/10	Bivalves 6/6 Fish 13/14 Birds 2/2	Bivalves 0.0000013～0.0013 Fish 0.0000015～0.000016 Birds 0.000012～0.000031	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	W.S. － C.S. －	W.S. － C.S. －	W.S. － C.S. －	(W.S. －) (C.S. －)					
			2004	38/38	38/38	0.0000014～0.00067	(0.0000007)	189/189	63/63	0.0000005～0.0055	(0.0000005)	Bivalves 25/31 Fish 54/70 Birds 10/10	Bivalves 6/7 Fish 11/14 Birds 2/2	Bivalves 0.0000016～0.0015 Fish 0.0000017～0.00027 Birds 0.0000064～0.00026	(Bivalves 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	W.S. － C.S. －	W.S. － C.S. －	W.S. － C.S. －	(W.S. －) (C.S. －)					
			2005	23/47	23/47	0.0000034～0.000062	(0.0000005)	188/189	63/63	0.0000011～0.0062	(0.0000003)	Bivalves 23/31 Fish 55/80 Birds 10/10	Bivalves 6/7 Fish 12/16 Birds 2/2	Bivalves 0.0000017～0.0016 Fish 0.0000021～0.000032 Birds 0.000010～0.000030	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)	W.S. － C.S. －	W.S. － C.S. －	W.S. － C.S. －	(W.S. －) (C.S. －)					
			2006	48/48	48/48	0.0000022～0.0010	(0.0000008)	189/192	64/64	0.0000006～0.0060	(0.0000006)	Bivalves 31/31 Fish 72/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000001～0.00089 Fish 0.000001～0.000035 Birds 0.000009～0.000021	(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	0.0000007～0.00072	(0.0000004)	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 0.000002～0.00075 Fish 0.000002～0.000031 Birds 0.000004～0.000022	(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	0.0000011～0.0019	(0.0000009)	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	0.0000007～0.00045	(0.0000004)	190/192	64/64	0.0000005～0.0050	(0.0000005)	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	0.0000009～0.00078	(0.0000003)	64/64	64/64	0.0000013～0.0038	(0.0000005)	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)					
			2011	49/49	49/49	0.0000007～0.00030	(0.0000002)	63/64	63/64	0.0000009～0.0050	(0.0000005)	Bivalves 4/4 Fish 14/18 Birds 1/1	Bivalves 4/4 Fish 14/18 Birds 1/1	Bivalves 0.000001～0.0014 Fish 0.000001～0.000019 Birds 0.000005	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00011～0.033 C.S. 0.000050～0.026	(W.S. 0.000021) (C.S. 0.000021)					
527	Hexachlorocyclopentadiene	77-47-4	1981	0/18	0/6	－	(0.2)	0/18	0/6	－	(0.02～20)													527
528	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)									528
			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)									

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^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			
			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	0.0000020～0.000031	(0.0000020)	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	0.0000007～0.000078	(0.0000003)	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 0.0000016) (Fish 0.0000016) (Birds 0.0000016)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000081～0.0062 C.S. 0.000042～0.0021	(W.S. 0.000014) (C.S. 0.000014)					
			2004	38/38	38/38	0.0000007～0.00010	(0.0000005)	182/189	63/63	0.0000009～0.0069	(0.0000009)	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	0.0000006～0.00012	(0.0000004)	170/189	61/63	0.0000009～0.019	(0.0000009)	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)					
			2006	44/48	44/48	0.0000004～0.000026	(0.0000004)	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)					
			2011	47/49	47/49	0.0000007～0.000071	(0.0000006)	59/64	59/64	0.0000005～0.0011	(0.0000004)	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 0.000003～0.00011 Fish 0.000005～0.00016 Birds 0.000003	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 34/35 C.S. 33/37	W.S. 34/35 C.S. 33/37	W.S. 0.00005～0.0051 C.S. 0.00005～0.0018	(W.S. 0.00004) (C.S. 0.00004)					
529	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)									529
			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)									

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^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			
			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														
			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 Fish 0.001～0.004 Birds 0.001～0.002	(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 Fish 0.001～0.003 Birds 0.001～0.005	(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 Fish 0.000046～0.0024 Birds 0.00082～0.0017	(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 Fish 0.000029～0.001 Birds 0.00079～0.0022	(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. 0.0021～0.26 C.S. 0.00082～0.11	(W.S. 0.00070) (C.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 Fish 0.000023～0.0028 Birds 0.00037～0.00096	(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. 0.0011～0.28 C.S. 0.00081～0.076	(W.S. 0.00011) (C.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 Fish 0.000021～0.0014 Birds 0.00050～0.0018	(Bivalves 0.0000034) (Fish 0.0000034) (Birds 0.0000034)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0015～0.20 C.S. 0.00088～0.050	(W.S. 0.00024) (C.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 Fish 0.000019～0.0014 Birds 0.00044～0.0013	(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. 0.0015～0.29 C.S. 0.0007～0.25	(W.S. 0.0001) (C.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 Fish 0.000023～0.0019 Birds 0.00056～0.00091	(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. 0.0013～0.31 C.S. 0.00096～0.075	(W.S. 0.00007) (C.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 Fish 0.000015～0.0013 Birds 0.00026～0.0013	(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. 0.0016～0.22 C.S. 0.00068～0.072	(W.S. 0.00009) (C.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 Fish 0.000029～0.0014 Birds 0.00033～0.00089	(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. 0.00091～0.15 C.S. 0.00052～0.080	(W.S. 0.00002) (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^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			
			2011	49/49	49/49	0.0000021～0.00030	(0.0000006)	64/64	64/64	0.000002～0.0022	(0.000002)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000016～0.0038 Fish 0.000017～0.0011 Birds 0.00077	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00080～0.23 C.S. 0.00052～0.096	(W.S. 0.00014) (C.S. 0.00014)					
530	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)									530
531	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)									531
			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 Fish 0.0000020 Birds —	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	41/102	19/34	0.000029～0.0032	(0.000020)					
			2003	34/36	34/36	0.0000003～0.0000038	(0.0000002)	178/186	60/62	0.0000006～0.001	(0.0000006)	Bivalves 15/30 Fish 16/70 Birds 0/10	Bivalves 3/6 Fish 7/14 Birds 0/2	Bivalves 0.0000017～0.000051 Fish 0.00000087～0.0000019 Birds —	(Bivalves 0.00000084) (Fish 0.00000084) (Birds 0.00000084)	W.S. 34/35 C.S. 34/34	W.S. 34/35 C.S. 34/34	W.S. 0.000057～0.028 C.S. 0.000030～0.0069	(W.S. 0.0000077) (C.S. 0.0000077)					
			2004	33/38	33/38	0.0000006～0.000013	(0.0000004)	170/189	62/63	0.0000006～0.00039	(0.0000006)	Bivalves 16/31 Fish 5/70 Birds 0/10	Bivalves 4/7 Fish 2/14 Birds 0/2	Bivalves 0.0000016～0.000046 Fish 0.0000014～0.0000024 Birds —	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	W.S. 15/37 C.S. 14/37	W.S. 15/37 C.S. 14/37	W.S. 0.00030～0.014 C.S. 0.000089～0.013	(W.S. 0.00005) (C.S. 0.00005)					
			2005	32/47	32/47	0.0000001～0.0000057	(0.0000003)	173/189	62/63	0.0000005～0.00050	(0.0000005)	Bivalves 11/31 Fish 11/80 Birds 0/10	Bivalves 3/7 Fish 5/16 Birds 0/2	Bivalves 0.0000013～0.000084 Fish 0.0000012～0.0000064 Birds —	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 29/37 C.S. 9/37	W.S. 29/37 C.S. 9/37	W.S. 0.00021～0.010 C.S. 0.00015～0.0018	(W.S. 0.00003) (C.S. 0.00003)					
			2006	18/48	18/48	0.00000030～0.0000044	(0.0000006)	184/192	64/64	0.0000006～0.00033	(0.0000006)	Bivalves 11/31 Fish 2/80 Birds 0/10	Bivalves 3/7 Fish 2/16 Birds 0/2	Bivalves 0.000002～0.000019 Fish 0.000002 Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 31/37 C.S. 16/37	W.S. 31/37 C.S. 16/37	W.S. 0.00007～0.0085 C.S. 0.00005～0.0011	(W.S. 0.00005) (C.S. 0.00005)					
			2007	34/48	34/48	0.0000003～0.0000095	(0.0000003)	172/192	60/64	0.0000006～0.00033	(0.0000006)	Bivalves 5/31 Fish 2/80 Birds 0/10	Bivalves 2/7 Fish 2/16 Birds 0/2	Bivalves 0.000002～0.000026 Fish 0.000002 Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 35/36 C.S. 34/36	W.S. 35/36 C.S. 34/36	W.S. 0.00005～0.019 C.S. 0.00002～0.0021	(W.S. 0.00002) (C.S. 0.00002)					
			2008	26/48	26/48	0.00000008～0.000021	(0.0000006)	153/192	56/64	0.000001～0.00037	(0.000001)	Bivalves 5/31 Fish 1/85 Birds 0/10	Bivalves 3/7 Fish 1/17 Birds 0/2	Bivalves 0.000002～0.000020 Fish 0.000002 Birds —	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 25/25 C.S. 22/25	W.S. 25/25 C.S. 22/25	W.S. 0.00002～0.0094 C.S. 0.00003～0.0013	(W.S. 0.00002) (C.S. 0.00002)					
			2009	32/49	32/49	0.0000004～0.000022	(0.0000003)	180/192	64/64	0.0000002～0.00054	(0.0000002)	Bivalves 16/31 Fish 22/90 Birds 0/10	Bivalves 6/7 Fish 7/18 Birds 0/2	Bivalves 0.0000008～0.000089 Fish 0.0000009～0.0000031 Birds —	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 10/25 C.S. 8/24	W.S. 10/25 C.S. 8/24	W.S. 0.00033～0.010 C.S. 0.00009～0.0018	(W.S. 0.00002) (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^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			
532	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 Benzoepin)	115-29-7	1982	0/39	0/13	—	(*alpha*-isomer 0.0040 〜0.025) (*beta*-isomer 0.014 〜0.06)	0/39	0/13	—	(*alpha*-isomer 0.00020〜0.001) (*beta*-isomer 0.00070〜0.003)													532
			2011	2/49	2/49	0.00012〜0.00045	(0.000060*)	32/64	32/64	0.000016〜0.00073	(0.000014*)	Bivalves 3/4 Fish 9/18 Birds 0/1	Bivalves 3/4 Fish 9/18 Birds 0/1	Bivalves 0.000024〜0.00038 Fish 0.000024〜0.00018 Birds —	(Bivalves 0.000024*) (Fish 0.000024*) (Birds 0.000024*)	W.S. 35/35 C.S. 34/37	W.S. 35/35 C.S. 34/37	W.S. 0.0080〜0.20 C.S. 0.0052〜0.053	(W.S. 0.0044*) (C.S. 0.0044*)					
532-1	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide (*alpha*-isomer)	959-98-8	1992													0/55	0/18	—	(30)					532-1
			2011	2/49	2/49	0.00012〜0.00018	(0.00005)	35/64	35/64	0.000011〜0.00048	(0.000010)	Bivalves 3/4 Fish 10/18 Birds 0/1	Bivalves 3/4 Fish 10/18 Birds 0/1	Bivalves 0.00002〜0.00033 Fish 0.00002〜0.00014 Birds —	(Bivalves 0.00002) (Fish 0.00002) (Birds 0.00002)	W.S. 35/35 C.S. 35/37	W.S. 35/35 C.S. 35/37	W.S. 0.0078〜0.19 C.S. 0.0041〜0.045	(W.S. 0.0040) (C.S. 0.0040)					
532-2	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide (*beta*-isomer)	33213-65-9	1992													0/55	0/18	—	(30)					532-2
			2011	8/49	8/49	0.000009〜0.00027	(0.000009)	38/64	38/64	0.000004〜0.00024	(0.000004)	Bivalves 4/4 Fish 9/18	Bivalves 4/4 Fish 9/18	Bivalves 0.000004〜0.000052 Fish 0.000004〜0.000037	(Bivalves 0.000004) (Fish 0.000004)	W.S. 34/35 C.S. 31/37	W.S. 34/35 C.S. 31/37	W.S. 0.0005〜0.011 C.S. 0.0004〜0.0083	(W.S. 0.00039) (C.S. 0.00039)					
533	Hexachlorophene	70-30-4	1981	0/33	0/11	—	(0.005〜5)	33/33	11/11	0.005〜0.42	(0.003)													533
			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)													
534	4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methano-1*H*-indene (synonym: *gamma*-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)									534
			1986													9/73	4/12	0.50〜1.8	(0.5)					
535	Hexahydro-1*H*-azepine	111-49-9	1986	0/30	0/10	—	(5)	0/24	0/8	—	(0.03)													535
536	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)					536
537	Hexamethylenediamine	124-09-4	1987	0/87	0/29	—	(2)	0/87	0/29	—	(0.46)													537
	Hexamethyleneimine	See Hexahydro-1*H*-azepine																						
	Hexamethylenetetramine	See 1,3,5,7-Tetraazatricyclo[3.3.1.1(3.7)]decane																						
538	Hexane	110-54-3	2004	0/60	0/20	—	(0.008)									52/53	18/18	140〜44,000	(90)					538
539	4'-Hexyl[1,1'-biphenyl]-4-carbonitrile	41122-70-7	1985	0/27	0/9	—	(2)	0/27	0/9	—	(0.05)													539
	Hexylene glycol	See 2-Methyl-2,4-pentanediol																						
	4-(4-Hexylphenyl)benzonitrile	See 4'-Hexyl[1,1'-biphenyl]-4-carbonitrile																						
540	Hydrazine	302-01-2	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.2)													540
			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)	
541	Hydrazobenzene	122-66-7	1986	0/30	0/10	—	(0.6)	0/30	0/10	—	(0.3)													541
542	Hydrogenated terphenyls	61788-32-7	1977	0/15	0/5	—	(10〜20)	0/15	0/5	—	(0.5〜2)													542
			(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*)													
542-1	Hydrogenated terphenyl (HT242a**)		2006									Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00018	(Bivalves & Fish 0.00008)									542-1
			2007	2/39	1/13	0.00019〜0.00023	(0.00018)	18/33	8/11	0.000074〜0.020	(0.000068)													
542-2	Hydrogenated terphenyl (HT242b**)		2006									Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00016	(Bivalves & Fish 0.00009)									542-2
			2007	5/39	3/13	0.00012〜0.00019	(0.000093)	18/33	8/11	0.000072〜0.0088	(0.000064)													
542-3	Hydrogenated terphenyl (HT242c**)		2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00002)									542-3
			2007	0/39	0/13	—	(0.000050)	2/33	2/11	0.00043〜0.00074	(0.000019)													
542-4	Hydrogenated terphenyl (HT242d**)		2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00005)									542-4
			2007	0/39	0/13	—	(0.00065)	14/33	6/11	0.00018〜0.0071	(0.000046)													
542-5	Hydrogenated terphenyl (HT263a**)		2006									Bivalves & Fish 5/30	Bivalves & Fish 2/10	Bivalves & Fish 0.00010〜0.00034	(Bivalves & Fish 0.00010)									542-5
			2007	1/39	1/13	0.000074	(0.000056)	8/33	5/11	0.00018〜0.0019	(0.000028)													
542-6	Hydrogenated terphenyl (HT263b**)		2006									Bivalves & Fish 1/30	Bivalves & Fish 1/10	Bivalves & Fish 0.00013	(Bivalves & Fish 0.00009)									542-6
			2007	3/39	3/13	0.00012〜0.00017	(0.00011)	21/33	8/11	0.00017〜0.023	(0.000086)													
542-7	Hydrogenated terphenyl (HT263c**)		2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.00009)									542-7
			2007	0/39	0/13	—	(0.00016)	15/33	6/11	0.000079〜0.016	(0.000026)													
543	Hydroquinone	123-31-9	1996	0/168	0/56	—	(0.36)	36/164	17/55	0.018〜0.76	(0.017)													543
			2009	69/69	23/23	0.0035〜0.075	(0.0015)																	
	2-(2'-Hydroxy-3',5'-di-*tert*-butylphenyl)-5-chlorobenzotriazo	See Di-*tert*-butyl-6-(5-chloro-2*H*-benzotriazol-2-yl)phenol																						
544	2-Hydroxyethyl methacrylate	868-77-9	1999	3/27	1/9	0.12〜0.51	(0.025)	0/27	0/9	—	(0.0014)													544
545	3-Hydroxy-2-naphthanilide (synonym: Azoic CC-2 or Naphthol AS)		1984	0/24	0/8	—	(0.1〜0.4)	0/24	0/8	—	(0.01 〜0.03)													545
	2-Hydroxy-3-naphthoic acid anilide	See 3-Hydroxy-2-naphthanilide																						
	(2-Hydroxy-3-naphthoyl)-3-chloro-4,6-dimethoxyanilide	See 5'-Chloro-3-hydroxy-2',4'-dimethoxy-2-naphthanilide																						
	(2-Hydroxy-3-naphthoyl)-4-chloro-2-methoxyanilide	See 4'-Chloro-3-hydroxy-2'-methyl-2-naphthanilide																						
	(2-Hydroxy-3-naphthoyl)-5-chloro-2-methoxyanilide	See 5'-Chloro-3-hydroxy-2'-methoxy-2-naphthanilide																						
	(2-Hydroxy-3-naphthoyl)-3-nitroanilide	See 3-Hydroxy-3'-nitro-2-naphthanilide																						
546	3-Hydroxy-3'-nitro-2-naphthanilide (synonym: Azoic CC-17)	135-65-9	1984	0/24	0/8	—	(0.1〜0.4)	0/24	0/8	—	(0.01〜0.03)													546

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^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			
	IBP	See *S*-Benzyl *O*,*O*-diisopropyl thiophosphate																						
547	2-Imidazolidinethione	96-45-7	1983	0/33	0/11	—	(0.8～40)	0/33	0/11	—	(0.02 ～0.51)													547
			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																						
548	Indium and its compounds (as	7440-74-6 etc.	2006	0/12	0/4	—	(0.0015)									15/15	5/5	0.011～0.55	(0.007)					548
549	Iodomethane	74-88-4	1980													4/27	3/6	20～66	(1～20)					549
550	3-Iodo-2-propynyl butylcarbamate	55406-53-6	2005	0/12	0/4	—	(0.080)																	550
551	Iopanoic acid	96-83-3	2010	0/48	0/16	—	(0.0096)																	551
	Iprobenphos	See *S*-Benzyl *O*,*O*-diisopropyl thiophosphate																						
552	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)									552
553	Isobutyl acetate	110-19-0	2000													29/44	12/15	73～710	(70)					553
			2006													9/21	4/7	95～570	(95)					
554	Isobutyl alcohol	78-83-1	2008													23/63	11/21	170～900	(170)					554
			2011	15/25	15/25	0.067～0.29	(0.063)																	
555	Isobutyl formate	542-55-2	1981	0/9	0/3	—	(45)	0/9	0/3	—	(0.45)													555
556	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)									556
	Isobutyl *p*-oxybenzoate	See Isobutyl 4-hydroxybenzoate																						
	Isobutyronitrile	See 2-Methylpropannitrile																						
557	Isocyanuric acid	108-80-5	1983	0/30	0/10	—	(2～4)	0/30	0/10	—	(0.025～0.24)													557
	Isophorone	See 3,5,5-Trimethyl-2-cyclohexen-1-one																						
558	Isophthalic acid	121-91-5	1983	0/24	0/8	—	(1～20)	0/24	0/8	—	(0.02～0.1)													558
559	Isophthalonitrile	626-17-5	1977	0/6	0/2	—	(1～5)	0/6	0/2	—	(0.1～1)													559
560	Isoprene	78-79-5	1978	0/12	0/4	—	(1)	0/12	0/4	—	(0.001～0.0039)													560
			2002	0/42	0/14	—	(0.1)	0/42	0/14	—	(0.010)													
			2003													15/15	5/5	88～1,300	(12)					
	Isoprocarb	See 2-Isopropylphenyl *N*-methylcarbamate																						
	Isopropanolamine	See 1-Amino-2-propanol																						
	Isopropenylbenzene	See *alpha*-Methylstyrene																						
	Isopropyl alcohol	See 2-Propanol																						
561	Isopropylamine	75-31-0	1980	0/27	0/9	—	(0.5～33)	0/27	0/9	—	(0.001～0.18)													561
			1981	0/27	0/9	—	(0.6～4)	0/27	0/9	—	(0.006～0.01)													
	Isopropylbenzene	See Cumene																						
562	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)									562
563	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)									563
564	2,2'-[Isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]]diethanol	4162-45-2	1986	2/30	1/10	0.02～0.04	(0.02)	0/30	0/10	—	(0.02)													564
			2005	0/15	0/5	—	(0.020)	0/27	0/9	—	(0.011)													
	4,4'-Isopropylidenediphenol	See 4,4'-Propane-2,2-diyldiphenol																						
565	2-Isopropylnaphthalene	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 *p*-oxybenzoate	See Isopropyl 4-hydroxybenzoate																						
566	2-Isopropyloxyphenyl *N*-methylcarbamate (synonym: PHC)	114-26-1	1988	0/75	0/25	—	(0.3)	0/69	0/23	—	(0.0103)					0/72	0/12	—	(7.0)					566
			1994	0/39	0/13	—	(0.02)	0/39	0/13	—	(0.0033)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.001)									
	2-Isopropylphenyl methylcarbamate	See 2-Isopropylphenyl *N*-methylcarbamate																						
567	2-Isopropylphenyl *N*-methyl carbamate (synonym: MIPC or Isoprocarb)	2631-40-5	1988	0/75	0/25	—	(0.3)	0/69	0/23	—	(0.0103)					0/72	0/12	—	(7.0)					567
	Isoprothiolane	See diisopropyl 1,3-dithiolan-2-ylidenemalonate																						
	Isoxathion	See *O*,*O*-Diethyl *O*-(5-phenyl-3-isoxazolyl) thiophosphate																						
	Kelthane	See 2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol																						
	Kepone	See Chlordecone																						
568	11-Ketotestosterone	564-35-2	2011	0/19	0/19	—	(0.000088)																	568
	Kitazin P	See *S*-Benzyl *O*,*O*-diisopropyl thiophosphate																						
	LAS	See Alkylbenzene sulfonates (Linear alkylbenzene sulfonates)																						
569	Lead and its compounds (as Lead)	7439-92-1 etc.	1978									Bivalves 10/10 Fish 0/30 Birds 6/6	Bivalves 2/2 Fish 0/6 Birds 1/1	Bivalves 0.09～0.22 Fish — Birds 0.32～0.44	(Fish 0.05)									569
			1979									Bivalves 15/15 Fish 0/40 Birds 6/6	Bivalves 3/3 Fish 0/8 Birds 1/1	Bivalves 0.10～0.30 Fish — Birds 0.21～0.54	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1980									Birds 8/8	Birds 1/1	Birds 0.14～0.47	(Birds 0.05)									
	Lindane	See *gamma*-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)																						
	Linear tetradecylbenze 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 *O*,*O*-Dimethyl *S*-1,2 bis(ethoxycarbonyl)ethyl dithiophosphate																						
570	Maleic acid	110-16-7	1983	0/24	0/8	—	(1～50)	0/24	0/8	—	(0.05～0.25)													570
	Maneb	See *N*,*N*′- Ethylenebis(dithiocarbamamic acid) and its salts																						
571	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		Bivalves 20/20 Fish 20/20	Bivalves 4/4 Fish 4/4	Bivalves 7.4～63 Fish 0.23～1.31										571
	Manzeb	See *N*,*N*′- Ethylenebis(dithiocarbamamic acid) and its salts																						
572	MCPPlankton (synonym: Mecoprop)	93-65-2	1996	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.02)													572
	Mecoprop	See MCPP																						
573	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)													573
			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									Fish 5/12	Fish 1/2	Fish 0.09～0.23	(Fish 0.05)									
			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 *O*,*O*-Dimethyl *O*-(3-methyl-4-nitrophenyl) thiophosphate																						
574	Mercaptoacetic acid	68-11-1	2007	9/15	3/5	0.0016～0.024	(0.0011)																	574
575	2-Mercaptobenzimidazole	583-39-1	1978	0/45	0/15	—	(0.25～50)	0/39	0/13	—	(0.017～2.5)													575
	2-Mercaptobenzothiazole	See Benzothiazole-2-thione																						
	2-Mercaptoimidazoline	See 2-Imidazolidinethione																						

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^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			
576	Mercury and its compounds (as Mercury)	7439-97-6 etc.	1978									Bivalves 7/10 Fish 28/30 Birds 6/6	Bivalves 2/2 Fish 6/6 Birds 1/1	Bivalves 0.01～0.02 Fish 0.01～0.86 Birds 0.04～0.12	(Bivalves 0.01) (Fish 0.01)									576
			1979									Bivalves 12/15 Fish 40/40 Birds 3/6	Bivalves 3/3 Fish 8/8 Birds 1/1	Bivalves 0.01～0.02 Fish 0.02～0.71 Birds 0.02	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			1980									Birds 8/8	Birds 1/1	Birds 0.03～0.16	(Birds 0.01)									
	Mesitylene	See 1,3,5-Trimethylbenzene																						
	Mesityl oxide	See 4-Methyl-3-penten-2-one																						
577	Methacrylic acid	79-41-4	1987	0/75	0/25	—	(6)	0/75	0/25	—	(0.14)													577
			2002													6/27	3/9	1.1～4.6	(0.77)					
578	Methacrylonitrile	126-98-7	1987	0/75	0/25	—	(0.7)	0/75	0/25	—	(0.014)					0/61	0/10	—	(40)					578
	Methanethiol	See Methyl mercaptan																						
579	Methanol	67-56-1	1995													14/18	5/6	3,100～49,000	(2,000)					579
	Methidathion	See *S*-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl *O*,*O*-dimethyl dithiophosphate																						
	Methomyl	See *S*-Methyl *N*-(methylcarbamoyloxy)thioacetimidate																						
580	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)													580
			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)					
581	4-Methoxybenzaldehyde		2010	0/51	0/17	—	(0.014)																	581
582	2-Methoxy-4*H*-1,3,2-benzodioxaphosphorin-2-sulfide (synonym: salithion)	3811-49-2	1993													0/27	0/9	—	(2)					582
583	3-Methoxy-1-butanol	2517-43-3	1980	0/27	0/9	—	(2.5～10)	0/27	0/9	—	(0.025～0.6)													583
584	3-Methoxybutyl acetate	4435-53-4	1980	0/27	0/9	—	(2.5～10)	0/27	0/9	—	(0.025～0.8)													584
			1995	0/33	0/11	—	(0.2)																	
	Methoxybutyl acetate	See 3-Methoxybutyl acetate																						
585	Methoxychlor	72-43-5	1985	0/27	0/9	—	(0.01)	0/27	0/9	—	(0.02)													585
			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 grycol mono methyl ether																						
586	2-(2-(2-methoxyethoxy)ethoxy)-ethanol	112-35-6	1988	0/75	0/25	—	(4.1)	0/75	0/25	—	(0.23)													586
587	2-Methoxyethyl acetate	110-49-6	1986	0/30	0/10	—	(0.7)	0/30	0/10	—	(0.2)													587
588	9-Methoxy-7*H*-furo[3,2-*g*][1]benzopyran-7-one (synonym: Meladinine)	298-81-7	2006	0/42	0/14	—	(0.01)																	588
589	2-Methoxy-5-methylaniline	120-71-8	1985	0/27	0/9	—	(0.6)	0/27	0/9	—	(0.03)													589
			2005	6/24	4/8	0.037～0.057	(0.032)	0/18	0/6	—	(0.0060)													
	1-Methoxy-2-nitrobenzene	See *o*-Nitroanisole																						
590	2-Methoxyphenol	90-05-1	1986	0/39	0/13	—	(0.2)	4/39	2/13	0.010～0.020	(0.01)													590
591	3-Methoxyphenol	150-19-6	1986	0/39	0/13	—	(0.2)	0/39	0/13	—	(0.01)													591
592	4-Methoxyphenol	150-76-5	1986	0/39	0/13	—	(0.2)	0/39	0/13	—	(0.01)													592
593	*N*-(4-Methoxyphenyl)*p*-anisidine	101-70-2	1977	0/6	0/2	—	(2～5)	0/6	0/2	—	(1)													593
594	Methyl acrylate	96-33-3	1980	0/51	0/17	—	(0.6～50)	0/51	0/17	—	(0.0083～0.12)													594
			2001													0/15	0/5	—	(0.6)					
595	Methylamine	74-89-5	1986	0/33	0/11	—	(2)	12/21	4/7	0.046～0.213	(0.04)													595
596	*N*-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)													596
			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 Fish 0/54	Bivalves 0/5 Fish 0/18	Bivalves — Fish —	(Bivalves 0.0014) (Fish 0.0014)									
597	4-Methylbenzenesulfonyl chloride	98-59-9	1977	0/6	0/2	—	(4～10)	0/6	0/2	—	(0.1～0.25)													597
598	Methyl benzoimidazol-2-ylcarbamate (synonym: Carbendazim)	10605-21-7	2011	25/26	25/26	0.00054～0.12	(0.00039)																	598
599	2-Methyl-1,1'-biphenyl-3-ylmethyl (*Z*)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate (synonym: Bifenthrin	82657-04-3	2006													0/15	0/5	—	(0.3)					599
			2007	0/33	0/11	—	(0.0078)																	
	Methyl bromide	See Bromomethane																						
600	Methyl-*tert*-butyl ether (synonym: MTBE)	1634-04-4	1999													33/41	13/15	22～330	(20)					600
			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-*tert*-butylphenol	See 2,6-Di-*tert*-butyl-4-metylphenol																						
601	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*)									0/15	0/5	—	(1.0*)					601
601-1	Methyl (*Z*)-2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate		2006	0/39	0/13	—	(0.007)									0/15	0/5	—	(0.5)					601-1
601-2	Methyl (*E*)-2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate		2006	0/39	0/13	—	(0.010)									0/15	0/5	—	(0.5)					601-2
	Methyl-*N*′,*N*′-dimethyl-*N*-[(methylcarbamoyl)oxy]-1-thiooxamimidate	See *N*′,*N*′-Dimethylcarbamoyl(methylthio)methylenamine*N*-methylcarbamate																						
602	Methyl 3,3-dimethyl-4-pentenoate	63721-05-1	1994	0/102	0/34	—	(0.4)	0/102	0/34	—	(0.004)													602
603	Methylenebis(4,1-cyclohexylene) diioscyanate	5124-30-1	2008													0/15	0/5	—	(0.3)					603
			2010													0/63	0/21	—	(0.31)					
604	4,4'-Methylenebis(2,6-dichloroaniline	25464-95-3	1985	0/30	0/10	—	(5)	0/24	0/8	—	(0.1)													604
605	4,4'-Methylenebis(*N*,*N*′-dimethylaniline)	101-61-1	1986	0/30	0/10	—	(2)	0/24	0/8	—	(0.05)													605
			2008	0/18	0/6	—	(0.0024)																	
606	4,4'-Methylenebis(2-methylcyclohexanamine)	6864-37-5	2009	0/30	0/10	—	(0.0024)																	606
	4,4'-Methylenedianiline	See 4,4'-Diaminodiphenylmethane																						
	Methylene dichloride	See Dichloromethane																						
	1-Methylethenylbenzene	See *alpha*-Methylstyrene																						

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^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			
607	2-(1-methylethoxy)-ethanol	109-59-1	2006													4/21	3/7	20～30	(20)					607
608	Methyl ethyl ketone	78-93-3	1980	0/24	0/8	—	(3～8)	0/24	0/8	—	(0.15～0.4)													608
			1995	8/165	4/55	1.2～2.5	(1)	66/159	25/53	0.029～0.93	(0.028)					35/53	13/38	500～16,000	(500)					
	Methyl ethyl ketone oxime	See Buta-2-non oxime																						
609	*N*-(1-Methylethyl)-2-propanamine	108-18-9	1981	0/27	0/9	—	(2)	0/27	0/9	—	(0.005～0.02)													609
610	Methyl formate	107-31-3	1981	0/9	0/3	—	(35)	0/9	0/3	—	(0.25)													610
611	6-Methylheptyl 3-(3,5-di-*tert*-butyl-4-hydroxyphenyl)propionate	146598-26-7	2007	0/30	0/10	—	(0.040)																	611
612	Methylhydrazine	60-34-4	2007	0/15	0/5	—	(0.027)																	612
613	Methyl 4-hydroxybenzoate	99-76-3	2008	1/9	1/3	0.003	(0.002)																	613
			2009													0/18	0/6	—	(0.27)					
			2010					3/9	1/3	0.00050～0.00070	(0.00022)													
	Methyl isobutyl carbinol	See 4-Methyl-2-pentanol																						
614	Methyl isobutyl ketone	108-10-1	1980	0/24	0/8	—	(4～15)	0/24	0/8	—	(0.2～0.6)													614
			1995	0/33	0/11	—	(1.7)	0/33	0/11	—	(0.17)					10/51	5/17	1,100～3,800	(1,100)					
615	Methyl mercaptan	74-93-1	1992													0/51	0/17	—	(1,000)					615
616	Methyl methacrylate	80-62-6	1979	0/24	0/8	—	(0.005～1)	0/24	0/8	—	(0.00011～0.01)													616
			1999													3/18	1/6	28～170	(5.3)					
			2006	1/21	1/7	0.015	(0.008)																	
617	Methyl 3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamonylsulfamoyl)-2-thenoate (synonym: Thifensulfuron-methyl)	79277-27-3	2006	0/21	0/7	—	(0.04)									0/15	0/5	—	(3)					617
618	*S*-Methyl *N*-(methylcarbamoyloxy) thioacetimidate (synonym: Methomyl)	16752-77-5	1992	0/33	0/11	—	(0.1)	0/33	0/11	—	(0.01)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.005)									618
			2008	Summer 116/180 Autumn 16/99	Summer 16/20 Autumn 7/33	Summer 0.00040～0.036 Autumn 0.0030～0.0064	(Summer 0.00038) (Autumn 0.0030)																	
619	1-Methylnaphthalene	90-12-0	1976	0/28	0/7	—	(0.2～1)	0/28	0/7	—	(0.02～0.1)													619
			1984													65/72	12/12	1.9～280	(0.4～5)					
			1998													29/30	10/10	5.1～150	(2)					
			2010	23/93	9/31	0.0021～0.0050	(0.0018)																	
620	2-Methylnaphthalene	91-57-6	1976	0/28	0/7	—	(0.2～1)	0/28	0/7	—	(0.02～0.1)													620
			1984													66/72	12/12	2.6～530	(0.5～8)					
			1998													30/30	10/10	3.2～310	(1.7)					
			2010	23/93	9/31	0.0028～0.0099	(0.0028)																	
	2-Methyl-4-nitroaniline	See 4-Nitro-*o*-toluidine																						
	4-Methyl-2-nitroaniline	See 2-Nitro-*p*-toluidine																						
621	3-Methyl-4-nitrophenol	2581-34-2	1984	0/21	0/7	—	(0.06～0.2)	0/21	0/7	—	(0.006～0.028)													621
			2005																	Indoor air (Car) 6/6		110～1,100ng/m^3	(0.06)	
622	2-Methyl-*N*-[4-nitro-3-(trifluoromethyl)phenyl]propanamide (synonym: Flutamide)	13311-84-7	2009	3/81	1/27	0.0026～0.0056	(0.000096)																	622
623	2-Methyl-2,4-pentanediol	107-41-5	1980	0/27	0/9	—	(2.5～30)	0/27	0/9	—	(0.025～1.4)													623
			1995	0/33	0/11	—	(0.2)	5/32	2/11	0.022～0.030	(0.0043)													
624	4-Methyl-2-pentanol	108-11-2	1980	0/27	0/9	—	(2.5～8)	0/27	0/9	—	(0.025～0.4)													624
	4-Methyl-2-pentanone	See Methyl isobutyl ketone																						
625	4-Methyl-3-penten-2-one	141-79-7	1980	0/24	0/8	—	(5～50)	0/24	0/8	—	(0.3～1.0)													625
	m-Methylphenol	See *m*-Cresol																						
626	2-Methyl-*m*-phenylenediamine	823-40-5	1990													0/51	0/17	—	(270)					626
627	2-Methylpiperidine	109-05-7	1986	0/30	0/10	—	(20)	0/24	0/8	—	(0.03)													627
628	2-Methylpropannitrile (synonym: Isobutyronitrile	78-82-0	1977	0/3	0/1	—	(1)	0/3	0/1	—	(0.2)													628
			1987	0/75	0/25	—	(0.7)	0/75	0/25	—	(0.006)					0/61	0/10	—	(200)					
	2-Methyl-2-propanol	See 2-Methylpropan-2-ol																						
629	2-Methylpropan-2-ol	75-65-0	1979	0/30	0/10	—	(100～1,000)	0/30	0/10	—	(1.0～10.0)													629
			1995	0/33	0/11	—	(2)	0/33	0/11	—	(0.21)					12/14	5/5	20～250	(20)					
	2-Methyl-2-propenenitrile	See Methacrylonitrile																						
630	2-Methylpropenoic acid 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester	6846-50-0	1995	5/165	2/55	0.100～0.16	(0.1)	6/168	2/56	0.023～0.095	(0.02)	Fish 18/156	Fish 6/50	Fish 0.0063～0.044	(Fish 0.0062)									630
	2-Methylpropyl acetate	See Isobutyl acetate																						
631	2-(1-Methylpropyl)-4,6-dinitrophenol	88-85-7	2007													0/24	0/8	—	(3.2)					631
632	Methylpyridines																							632
	(Total 3-isommer and 4-isommer)	108-99-6 108-89-4	1986	0/30	0/10	—	(0.6)	6/30	2/10	0.0077～0.076	(0.007)													
			1987	3/93	1/31	0.2～0.81	(0.2)	64/94	23/33	0.0018～0.142	(0.0008)	Fish 59/97	Fish 23/33	Fish 0.001～0.169	(Fish 0.001)									
632-1	2-Methylpyridine	109-06-8	1986	0/30	0/10	—	(0.3)	7/30	4/10	0.0065～0.024	(0.005)													632-1
			1987	5/96	2/32	0.32～2.7	(0.2)	67/94	24/33	0.0012～0.108	(0.0008)	Fish 105/132	Fish 33/42	Fish 0.001～0.048	(Fish 0.001)									
			1994	19/162	8/54	0.10～2.4	(0.1)	103/147	41/52	0.0011～0.024	(0.0011)	Fish 106/152	Fish 37/50	Fish 0.002～0.0315	(Fish 0.002)	46/49	16/17	1～77	(1)					
632-2	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)					632-2
			2008													0/21	0/7	—	(3.4)					
632-3	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)					632-3
	m-Methylstyrene	See Methylstyrenes (3-Methylstyrene																						
	p-Methylstyrene	See Methylstyrenes (4-Methylstyrene																						
633	Methylstyrenes																							633
	(Total *cis*-*beta*-isommer *o*-isommer and *p*-isommer)	611-15-4 622-97-9	2000													22/24	8/8	5.4～190	(4.8)					
633-1	*alpha*-Methylstyrene	98-83-9	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													633-1
			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)													
633-2	*beta*-Methylstyrene	637-50-3	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													633-2
633-2-1	*trans*-*beta*-Methylstyrene	873-66-5	2000													19/27	8/9	2.4～22	(1.6)					633-2-1
633-3	3-Methylstyrene	100-80-1	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													633-3
			2000													21/26	7/9	2.6～190	(1.5)					

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^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			
633-4	4-Methylstyrene	622-97-9	1977	0/3	0/1	—	(4)	0/3	0/1	—	(0.01)													633-4
	Metolcarb	See *m*-Tolyl methylcarbamate																						
	Metribuzin	See 4-Amino-6-*tert*-butyl-3-methylthio-1,2,4-triazin-5(*4H*)-one																						
	Metribuzin-desamino	See 6-*tert*-Butyl-3-methylthio-1,2,4-triazin-5(*4H*)- one																						
	Metribuzin-desamino-diketo	See 6-*tert*-Butyl-1,2,4-triazine-3,5(*2H*,*4H*)-dione																						
	Metribuzin-diketo	See 4-Amino-6-*tert*-butyl-*2H*-1,2,4-triazine-3,5-dione																						
	MIPC	See 2-Isopropylphenyl*N*-methylcarbamate																						
634	Mirex	2385-85-5	1983	0/27	0/9	—	(0.01)	0/27	0/9	—	(0.0006〜0.0024)													634
			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 0.00000081) (Fish 0.00000081) (Birds 0.00000081)	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. 0.0000028) (C.S. 0.0000028)					
			2004	18/38	18/38	0.0000002〜0.0000011	(0.0000002)	153/189	55/63	0.0000005〜0.00022	(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 0.00000082) (Fish 0.00000082) (Birds 0.00000082)	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 0.00000099) (Fish 0.00000099) (Birds 0.00000099)	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	0.0000002〜0.00064	(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	0.0000003〜0.00020	(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	0.0000004〜0.00082	(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	0.0000004〜0.00062	(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)					
			2011	3/49	3/49	0.0000003〜0.0000008	(0.0000002)	42/64	42/64	0.0000004〜0.0019	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000052〜0.000044 Fish 0.0000013〜0.000041 Birds 0.000058	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00008〜0.00025 C.S. 0.00003〜0.00011	(W.S. 0.00001) (C.S. 0.00001)					
	MNCB	See 1-Chloro-3-nitrobenzene																						
	Molinate	See *S*-Ethyl hexahydro-1*H*-azepine-1-carbothioate																						
	Monobutylnaphthalenesulphonic acid	See Butylnaphthalenesulphonate																						
	Monochloroacetic acid	See Chloroacetic acid																						
	Monochloroethane	See Chloroethane																						
	Monoethanolamine	See 2-Aminoethanol																						
	Mono(*alpha*-methylbenzyl)phenol	See *p*-(1-Phenylethyl)phenol																						
635	Morpholine	110-91-8	1979	0/33	0/11	—	(1〜50)	0/33	0/11	—	(0.01〜0.5)													635
			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)					
636	2-(Morpholinothio)benzothiazole	102-77-2	1977	0/12	0/6	—	(0.02〜0.04)	0/12	0/6	—	(0.0012〜0.01)													636
	MPP	See *O*,*O*-Dimethyl *O*-(3-methyl-4-methylthiophenyl) thiophosphate																						
	MTBE	See Methyl-*tert*-butyl ether																						
	MTMC	See *m*-Tolyl methylcarbamate																						
	NAC	See 1-Naphtyl *N*-methylcarbamate																						
	Naled	See 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate																						
637	Naphthalene	91-20-3	1976	0/20	0/5	—	(0.1)	0/20	0/5	—	(0.01)													637
			2007													21/24	7/8	50〜530	(0.21)					
638	2-Naphthalenesulfonic acid polymer with formaldehyde	26353-67-3	1979	0/21	0/7	—	(10〜100)	0/27	0/9	—	(0.2〜30)													638
	beta-Naphthalenesulfonic acid, polymer with formalin	See 2-Naphthalenesulfonic acid, polymer with formaldehyde																						
639	1-Naphthol	90-15-3	1977	0/6	0/2	—	(0.4〜4.5)	0/6	0/2	—	(0.04〜0.29)													639
			1999	14/30	5/10	0.005〜0.049	(0.005)	3/36	1/12	0.033〜0.11	(0.0078)	Fish 1/33	Fish 1/11	Fish 0.0096	(Fish 0.0031)									
			2008	155/180	20/20	0.00036〜0.0093	(0.00035)																	
	2-Naphthol	See *beta*-Naphthol																						
640	*beta*-Naphthol	135-19-3	1977	0/6	0/2	—	(0.4〜6)	0/6	0/2	—	(0.04〜0.39)													640
			1999	0/36	0/12	—	(0.009)	0/36	0/12	—	(0.0068)	Fish 1/33	Fish 1/11	Fish 0.014	(Fish 0.0051)									
	Naphthol AS	See 3-Hydroxy-2-naphthanilide																						
641	1,4-Naphthoquinone	130-15-4	1985	0/30	0/10	—	(4)	0/30	0/10	—	(0.05)													641
	1-Naphthylacetic acid	See 2-(1-Naphthyl)acetic acid																						
642	2-(1-Naphthyl)acetic acid	86-87-3	1984	0/27	0/9	—	(0.02〜0.05)	0/27	0/9	—	(0.002〜0.0063)													642
643	2-Naphthylamine	91-59-8	1983	0/48	0/16	—	(0.02〜0.1)	5/48	3/16	0.0017〜0.0079	(0.0015〜0.04)													643

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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			
			1985					6/147	2/49	0.0023～0.051	(0.002)													
644	*N*-2-Naphthylaniline	135-88-6	1976	0/50	0/13	—	(3～40)	0/40	0/11	—	(0.13～0.8)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.3～1.0)									644
			1980	0/36	0/12	—	(0.025～0.1)	10/36	4/12	0.0045～0.042	(0.0013～0.02)													
			1981	0/126	0/42	—	(0.1)	27/126	12/42	0.005～0.074	(0.005)	Fish 0/123	Fish 0/36	Fish —	(Fish 0.005)									
645	1-Naphthylnamine	134-32-7	1976	0/60	0/18	—	(0.1～0.7)	7/60	4/18	0.007～0.046	(0.003～0.01)													645
			1979	0/111	0/37	—	(0.014～5)	3/111	1/37	0.0050～0.0055	(0.0004～0.01)	Fish 0/93	Fish 0/27	Fish —	(Fish 0.0007 ～ 0.05)									
			1985					0/147	0/49	—	(0.002)													
646	2-(2-Naphthyloxy)propionanilide (synonym: Naproanilide)	52570-16-8	2008	0/9	0/3	—	(0.00077)																	646
	1-Naphtyl methylcarbamate	See 1-Naphtyl *N*-methylcarbamate																						
647	1-Naphtyl *N*-methylcarbamate (synonym: Carbaryl)	63-25-2	1983	0/36	0/12	—	(0.05～0.06)	0/36	0/12	—	(0.002～0.013)													647
			1988	0/69	0/23	—	(0.18)	0/69	0/23	—	(0.0205)					0/72	0/12	—	(7.0)					
			2005	0/9	0/1	—	(0.014)					Fish 0/3	Fish 0/1	Fish —	(Fish 0.0013)									
			2008	Summer 157/180 Autumn 0/96	Summer 19/20 Autumn 0/32	Summer 0.000012～0.0099 Autumn —	(Summer 0.000011) (Autumn 0.00053)																	
	Naproanilide	See 2-(2-Naphthyloxy)propionanilide																						
	Neopentyl glycol	See 2,2-Dimethyl-1,3-propanediol																						
648	Nereistoxin	1631-58-9	1993	0/30	0/10	—	(0.2)	0/30	0/10	—	(0.024)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.01)									648
649	Nickel and its compounds (as Nickel)	7440-02-0 etc.	1974	17/60	5/12	1～11	(5～13)	59/59	12/12	1.56～35		Bivalves 30/35 Fish 21/25	Bivalves 7/7 Fish 5/5	Bivalves 0.001～3.1 Fish 0.037～0.24	(Bivalves 0.5) (Fish 0.05)									649
			1978									Bivalves 10/10 Fish 0/30 Birds 6/6	Bivalves 2/2 Fish 0/6 Birds 1/1	Bivalves 0.07～0.76 Fish — Birds 0.13～0.20	(Fish 0.05)									
			1979									Bivalves 15/15 Fish 0/40 Birds 0/6	Bivalves 3/3 Fish 0/8 Birds 0/1	Bivalves 0.05～0.68 Fish — Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1980									Birds 0/8	Birds 0/1	Birds —	(Birds 0.05)									
650	Nitrilotriacetic acid	139-13-9	1980	2/36	1/12	1	(1)	3/36	1/12	0.011～0.013	(0.005～0.02)													650
			1994	1/21	1/7	5	(5)	0/21	0/7	—	(0.2)	Fish 0/18	Fish 0/6	Fish —	(Fish 0.5)									
651	1,1',1''-Nitrilotri-2-propanol	122-20-3	1981	0/24	0/8	—	(10～20)	0/24	0/8	—	(0.08～0.1)													651
652	3-Nitroacenaphthene	3807-77-0	1984	0/21	0/7	—	(0.007～0.02)	0/21	0/7	—	(0.002～0.0071)													652
	5-Nitroacenaphthene	See 1,2-Dihydro-5-nitroacenaphthylene																						
	2-Nitroaniline	See *o*-Nitroaniline																						
	3-Nitroaniline	See *m*-Nitroaniline																						
	4-Nitroaniline	See *p*-Nitroaniline																						
653	*o*-Nitroaniline	88-74-4	1978	0/24	0/8	—	(0.2～0.5)	0/15	0/5	—	(0.007～0.0167)													653
			1990	0/69	0/23	—	(0.19)	0/75	0/25	—	(0.04)	Fish 0/72	Fish 0/24	Fish —	(Fish 0.014)									
			2007	0/24	0/8	—	(0.0011)																	
			2008					3/45	2/15	0.00010～0.00022	(0.00010)					0/42	0/14	—	(0.32)					
654	*m*-Nitroaniline	99-09-2	1978	0/24	0/8	—	(0.3～1)	0/15	0/5	—	(0.01～0.0333)													654
			2007	0/21	0/7	—	(0.0022)																	
			2008					0/22	0/10	—	(0.00022)													
			2009													0/24	0/8	—	(0.27)					
655	*p*-Nitroaniline	100-01-6	1978	0/24	0/8	—	(0.7～1)	0/15	0/5	—	(0.02～0.0333)													655
			1990	0/66	0/22	—	(1.5)	0/66	0/22	—	(0.18)	Fish 0/63	Fish 0/21	Fish —	(Fish 0.062)									
			2005	0/18	0/6	—	(0.053)																	
	2-Nitroanisole	See *o*-Nitroanisole																						
	3-Nitroanisole	See *m*-Nitroanisole																						
	4-Nitroanisole	See *p*-Nitroanisole																						
656	*o*-Nitroanisole	91-23-6	1976	3/70	3/48	0.035～0.69	(0.025～0.4)	1/58	1/44	0.010	(0.001～0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.002)									656
			1991	0/57	0/19	—	(0.37)	1/51	1/17	0.027	(0.016)	Fish 2/57	Fish 1/19	Fish 0.016 ～ 0.018	(Fish 0.015)									
			2008													0/60	0/20	—	(1.4)					
			2009	0/81	0/27	—	(0.010)																	
657	*m*-Nitroanisole	555-03-3	1976	5/62	5/46	0.1～1.6	(0.05～0.1)	1/50	1/42	0.015	(0.003～0.004)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.004)									657
658	*p*-Nitroanisole	100-17-4	1976	0/70	0/48	—	(0.08～0.2)	0/59	0/45	—	(0.006～0.02)	Fish 1/10	Fish 1/2	Fish 0.013	(Fish 0.006)									658
			1991	0/57	0/19	—	(0.25)	0/57	0/19	—	(0.015)													
659	Nitrobenzene	98-95-3	1976	27/70	27/48	0.1～1.4	(0.03～0.4)	15/47	8/33	0.005～1.9	(0.002 ～0.0035)	Fish 10/10	Fish 2/2	Fish 0.003～0.58										659
			1977	22/115	10/39	0.13～3.8	(0.1～30)	19/117	9/39	0.009～1.5	(0.001～1)	Fish 9/85	Fish 2/29	Fish 0.003～0.005	(Fish 0.001～0.2)									
			1986													1/73	1/12	140	(100)					
			1991	1/153	1/51	0.17	(0.15)	2/162	1/54	0.047 ～0.07	(0.023)	Fish 4/147	Fish 2/49	Fish 0.011 ～0.026	(Fish 0.0087)	42/49	16/17	2.2 ～160	(2)					
			2001	5/147	2/49	0.046～0.51	(0.037)	6/144	3/48	0.0014～0.0023	(0.0014)													
			2002	6/54	2/18	0.12～0.23	(0.037)	3/51	1/17	0.0016～0.0018	(0.0014)					15/18	5/6	1.4 ～14	(0.7)					
660	5-Nitrobenzimidazole	94-52-0	1985	0/30	0/10	—	(0.7)	0/30	0/10	—	(0.2)													660
661	3-Nitrobenzoic acid	121-92-6	1985	0/33	0/11	—	(10)	0/33	0/11	—	(0.05)													661
	m-Nitrobenzoic acid	See 3-Nitrobenzoic acid																						
	2-Nitrochlorobenzene	See 2-Chloronitrobenzene																						
	3-Nitrochlorobenzene	See 3-Chloronitrobenzene																						
	4-Nitrochlorobenzene	See 4-Chloronitrobenzene																						
	4-Nitrochlorobenzenesulfonic acid	See 2-Chloro-5-nitrobenzenesulphonic acid																						
662	2-Nitro-*p*-cresol	119-33-5	1984	0/21	0/7	—	(0.1～0.3)	0/21	0/7	—	(0.01～0.054)													662
663	3-Nitro-*p*-cresol	2042-14-0	1984	0/21	0/7	—	(0.06～0.2)	0/21	0/7	—	(0.006～0.030)													663
664	5-Nitro-*o*-cresol	5428-54-6	1984	0/21	0/7	—	(0.08～0.2)	0/21	0/7	—	(0.008～0.039)													664
	Nitro-*p*-dichlorobenzene	See 1,4-Dichloro-2-nitrobenzene																						
665	Nitroethane	79-24-3	1986	0/27	0/9	—	(3)	0/27	0/9	—	(0.09)													665
666	Nitrofen (synonym: NIP)	1836-75-5	1982	3/54	2/18	0.005～0.027	(0.001～0.2)	0/54	0/18	—	(0.0001～0.009)													666
			2005					0/105	0/35	—	(0.0041)													
			2006													0/18	0/6	—	(0.7)					
667	3-Nitrofluoranthene	892-21-7	1990	0/159	0/53	—	(0.2)	0/159	0/53	—	(0.04)	Fish 0/144	Fish 0/48	Fish —	(Fish 0.05)	10/42	4/14	0.013～0.19	(0.012)					667
668	Nitromethane	75-52-5	1986	0/27	0/9	—	(1)	0/27	0/9	—	(0.06)													668
			2009													21/21	7/7	22～120	(0.31)					
	2-Nitro-4-methylphenol	See 2-Nitro-*p*-cresol																						
	3-Nitro-4-methylphenol	See 3-Nitro-*p*-cresol																						
	4-Nitro-3-methylphenol	See 3-Methyl-4-nitrophenol																						
	5-Nitro-2-methylphenol	See 5-Nitro-*o*-cresol																						

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^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			
669	1-Nitronaphthalene	86-57-7	1980	0/33	0/7	—	(0.002〜0.05)	0/33	0/7	—	(0.000040 〜0.0013)													669
	alpha-Nitronaphthalene	See 1-Nitronaphthalene																						
670	2-Nitrophenol	88-75-5	1978	0/30	0/10	—	(0.4〜10)	0/30	0/10	—	(0.03〜0.5)													670
			1979	0/111	0/37	—	(0.1〜5)	0/111	0/37	—	(0.01〜0.76)	Fish 0/93	Fish 0/27	Fish —	(Fish 0.01〜0.3)									
			1994	0/36	0/12	—	(0.26)	0/36	0/12	—	(0.0026)	Fish 1/36	Fish 1/12	Fish 0.0084	(Fish 0.005)	22/27	9/9	1〜140	(1)					
	o-Nitrophenol	See 2-Nitrophenol																						
671	*m*-Nitrophenol	554-84-7	1978	0/30	0/10	—	(0.08〜10)	0/30	0/10	—	(0.006〜0.5)													671
			1979	0/111	0/37	—	(0.04〜5)	0/111	0/37	—	(0.002〜0.2)	Fish 0/93	Fish 0/31	Fish —	(Fish 0.01〜0.2)									
			1994	0/36	0/12	—	(0.4)	0/36	0/12	—	(0.0047)	Fish 0/36	Fish 0/12	Fish —	(Fish 0.01)	0/27	0/9	—	(8)					
672	*p*-Nitrophenol	100-02-7	1978	1/30	1/10	0.13	(0.08〜10)	0/30	0/10	—	(0.02〜0.5)													672
			1979	0/111	0/37	—	(0.04〜5)	0/111	0/37	—	(0.002〜0.3)	Fish 0/93	Fish 0/27	Fish —	(Fish 0.01〜0.2)									
			1994	0/36	0/12	—	(0.6)	0/36	0/12	—	(0.0052)	Fish 0/36	Fish 0/12	Fish —	(Fish 0.005)	27/27	9/9	1〜71	(1)					
673	1-Nitropropane	108-03-2	1979	0/18	0/6	—	(50〜200)	0/18	0/6	—	(0.3〜1.0)													673
			1986	0/27	0/9	—	(3)	0/27	0/9	—	(0.4)													
674	2-Nitropropane	79-46-9	1979	0/18	0/6	—	(50〜200)	0/18	0/6	—	(0.3〜1.0)													674
			1986	0/27	0/9	—	(3)	0/27	0/9	—	(0.2)													
675	1-Nitropyrene	5522-43-0	1990	0/159	0/53	—	(0.2)	0/159	0/53	—	(0.022)	Fish 0/147	Fish 0/49	Fish —	(Fish 0.068)	38/46	14/46	0.0014〜0.15	(0.001)					675
676	*N*-Nitrosodi-*n*-butylamine	924-16-3	1989	0/33	0/33	—	(0.01)	0/33	0/33	—	(0.0001)	Bivalves 0/1 Fish 1/32	Bivalves 0/1 Fish 1/32	Bivalves — Fish 0.0001	(Bivalves 0.0001) (Fish 0.0001)									676
677	*N*-Nitrosodiethylamine	55-18-5	1981	0/36	0/12	—	(0.3〜1)	0/36	0/12	—	(0.02〜0.05)													677
			1989	0/33	0/33	—	(0.01)	0/33	0/33	—	(0.0001)	Bivalves 0/1 Fish 4/32	Bivalves 0/1 Fish 4/32	Bivalves — Fish 0.0001〜0.0004	(Bivalves 0.0001) (Fish 0.0001)									
678	*N*-Nitrosodimethylamine	62-75-9	1981	0/36	0/12	—	(0.2〜2)	0/36	0/12	—	(0.01〜0.05)													678
			1989	1/33	1/33	0.02	(0.01)	30/33	30/33	0.0001〜0.0077	(0.0001)	Bivalves 0/1 Fish 1/32	Bivalves 0/1 Fish 1/32	Bivalves — Fish 0.0007	(Bivalves 0.0005) (Fish 0.0005)									
	4-Nitrosodiphenylamine	See 4-Nitroso-*N*-phenylaniline																						
679	*N*-Nitrosodiphenylamine	86-30-6	1990	2/81	1/27	0.5〜0.9	(0.3)	0/81	0/27	—	(0.06)	Fish 1/51	Fish 1/17	Fish 0.002	(Fish 0.002)									679
			2005	0/12	0/4	—	(0.0032)																	
680	*N*-Nitrosodi-*n*-propylamine	621-64-7	1989	0/33	0/33	—	(0.01)	0/33	0/33	—	(0.0001)	Bivalves 0/1 Fish 1/32	Bivalves 0/1 Fish 1/32	Bivalves — Fish 0.0001	(Bivalves 0.0001) (Fish 0.0001)									680
681	2,2'-(Nitrosoimino)bisethanol	1116-54-7	1994													0/30	0/10	—	(220)					681
	N-(Nitrosoimino)bisethanol	See 2,2'-(Nitrosoimino)bisethanol																						
682	4-Nitroso-N-phenylaniline	156-10-5	1977	0/6	0/2	—	(1〜5)	0/6	0/2	—	(0.25〜1)													682
	2-Nitrotoluene	See *o*-Nitrotoluene																						
	3-Nitrotoluene	See *m*-Nitrotoluene																						
	4-Nitrotoluene	See *p*-Nitrotoluene																						
683	*o*-Nitrotoluene	88-72-2	1976	3/70	3/48	0.15〜0.79	(0.03〜0.2)	16/50	10/36	0.0034〜0.14	(0.0002〜0.002)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.002)									683
			1986													1/73	1/12	44	(20)					
			1991	0/57	0/19	—	(0.2)	0/57	0/19	—	(0.031)	Fish 0/57	Fish 0/19	Fish —	(Fish 0.0075)	2/54	1/18	130〜200	(70)					
			2008													3/24	1/8	23〜31	(0.2)					
			2010					0/27	0/9	—	(0.00062)													
684	*m*-Nitrotoluene	99-08-1	1976	3/70	3/48	0.35〜0.86	(0.05〜0.2)	2/50	2/36	0.014〜0.019	(0.004〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.004)									684
			1986													0/73	0/12	—	(20)					
			1991	0/57	0/19	—	(0.2)	0/57	0/19	—	(0.017)	Fish 0/57	Fish 0/19	Fish —	(Fish 0.0075)									
685	*p*-Nitrotoluene	99-99-0	1976	1/70	1/48	0.1	(0.03〜0.4)	3/59	2/45	0.011〜0.038	(0.002〜0.01)	Fish 0/10	Fish 0/2	Fish —	(Fish 0.002)									685
			1986													0/73	0/12	—	(20)					
			1991	1/57	1/19	0.21	(0.2)	0/57	0/19	—	(0.015)	Fish 0/57	Fish 0/19	Fish —	(Fish 0.0075)									
686	2-Nitro-p-toluidine	89-62-3	1985	0/36	0/12	—	(0.02)	0/36	0/12	—	(0.008)													686
687	4-Nitro-o-toluidine	99-52-5	1985	0/36	0/12	—	(0.04)	0/36	0/12	—	(0.008)													687
688	*cis*-Nonachlor	5103-73-1	1982	0/126	0/42	—	(0.005)	43/126	18/42	0.0002〜0.022	(0.0002〜0.001)	Fish 76/123	Fish 24/36	Fish 0.001〜0.023	(Fish 0.001)									688
			1983									Bivalves 10/20 Fish 23/50 Birds 5/10	Bivalves 2/4 Fish 5/10 Birds 1/2	Bivalves 0.002〜0.008 Fish 0.001〜0.013 Birds 0.024〜0.036	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 10/20 Fish 32/60 Birds 8/10	Bivalves 2/4 Fish 7/12 Birds 2/2	Bivalves 0.002〜0.006 Fish 0.001〜0.027 Birds 0.001〜0.057	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 10/20 Fish 35/60 Birds 5/10	Bivalves 2/4 Fish 7/12 Birds 1/2	Bivalves 0.003〜0.008 Fish 0.001〜0.016 Birds 0.027〜0.054	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986													0/73	0/12	—	(0.7)					
					0/18	—			6/18	0.0001〜0.0044		Bivalves 10/20 Fish 34/60 Birds 5/10	Bivalves 2/4 Fish 7/12 Birds 1/2	Bivalves 0.001〜0.003 Fish 0.001〜0.014 Birds 0.030〜0.080	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1987		0/20	—			11/20	0.00003〜0.011		Bivalves 9/20 Fish 40/65 Birds 5/10	Bivalves 2/4 Fish 9/13 Birds 1/2	Bivalves 0.001〜0.004 Fish 0.001〜0.015 Birds 0.033〜0.110	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988		0/22	—			3/22	0.00055〜0.0020		Bivalves 6/20 Fish 37/65 Birds 5/10	Bivalves 2/4 Fish 8/13 Birds 1/2	Bivalves 0.001〜0.002 Fish 0.001〜0.015 Birds 0.025〜0.050	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989		1/17	0.004			4/17	0.00005〜0.0049		Bivalves 8/21 Fish 36/65 Birds 5/10	Bivalves 3/5 Fish 8/13 Birds 1/2	Bivalves 0.001〜0.003 Fish 0.001〜0.026 Birds 0.006〜0.028	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990		0/16	—			2/16	0.00011〜0.0063		Bivalves 15/25 Fish 33/65 Birds 5/10	Bivalves 3/5 Fish 7/13 Birds 1/2	Bivalves 0.001〜0.002 Fish 0.001〜0.019 Birds 0.013〜0.027	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991		0/18	—			5/18	0.000039〜0.0044		Bivalves 10/30 Fish 31/65 Birds 5/10	Bivalves 2/6 Fish 7/13 Birds 1/2	Bivalves 0.001〜0.002 Fish 0.001〜0.013 Birds 0.010〜0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			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)									

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^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			
			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	0.00000023〜 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. 0.0000088) (C.S. 0.0000088)					
			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)					
			2011	49/49	49/49	0.0000008〜0.00013	(0.0000002)	63/64	63/64	0.0000026〜 0.0029	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000077〜 0.0013 Fish 0.000045〜0.0029 Birds 0.000076	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 35/35 C.S. 36/37	W.S. 35/35 C.S. 36/37	W.S. 0.00024〜 0.089 C.S. 0.000060 〜0.028	(W.S. 0.000051) (C.S. 0.000051)					
689	*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	Fish 0.001〜0.074	(Fish 0.001)									689
			1983 1984									Bivalves 11/20 Fish 37/50 Birds 6/10 Bivalves 15/20 Fish 45/60 Birds 9/10	Bivalves 3/4 Fish 8/10 Birds 2/2 Bivalves 3/4 Fish 10/12 Birds 2/2	Bivalves 0.001〜0.010 Fish 0.001〜0.040 Birds 0.001〜0.120 Bivalves 0.001〜0.013 Fish 0.001〜0.102 Birds 0.001〜0.20	(Bivalves 0.001) (Fish 0.001) (Birds 0.001) (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)					
			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)									

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^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			
			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	0.00018〜0.0044		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	(0.000002)	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	(0.000002)	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	温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	0.000003〜0.000093	(0.000003)	64/64	64/64	0.000003〜0.0062	(0.000002)	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)					
			2011	49/49	49/49	0.0000026〜0.00048	(0.0000005)	64/64	64/64	0.0000017〜0.0045	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00020〜0.0030 Fish 0.00019〜0.0050 Birds 0.00040	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0012〜0.55 C.S. 0.00070〜0.21	(W.S. 0.00035) (C.S. 0.00035)					

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^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			
690	2,2,5,5,8,9,9,10,10-Nonachlorobornane (synonym: Parlar-62)		2003	0/36	0/36	—	(0.00009)	0/186	0/62	—	(0.002)	Bivalves 0/30 Fish 9/70 Birds 5/10	Bivalves 0/6 Fish 3/14 Birds 1/2	Bivalves — Fish 0.000044～0.00058 Birds 0.00039～0.00053	(Bivalves 0.000040) (Fish 0.000040) (Birds 0.000040)	W.S. 0/35 C.S. 0/34	W.S. 0/35 C.S. 0/34	W.S. — C.S. —	(W.S. 0.00052) (C.S. 0.00052)					690
			2004	0/38	0/38	—	(0.00003)	0/189	0/63	—	(0.0004)	Bivalves 0/31 Fish 24/70 Birds 5/10	Bivalves 0/7 Fish 7/14 Birds 1/2	Bivalves — Fish 0.000033～0.00087 Birds 0.00022～0.00028	(Bivalves 0.000033) (Fish 0.000033) (Birds 0.000033)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.00081) (C.S. 0.00081)					
			2005	0/47	0/47	—	(0.00003)	0/189	0/63	—	(0.0007)	Bivalves 0/31 Fish 23/80 Birds 5/10	Bivalves 0/7 Fish 8/16 Birds 1/2	Bivalves — Fish 0.000039～0.00083 Birds 0.00024～0.00046	(Bivalves 0.000034) (Fish 0.000034) (Birds 0.000034)	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)					
			2006	0/48	0/48	—	(0.00002)	0/192	0/64	—	(0.00006)	Bivalves 0/31 Fish 28/80 Birds 5/10	Bivalves 0/7 Fish 10/16 Birds 1/2	Bivalves — Fish 0.000030～0.00087 Birds 0.00023～0.00043	(Bivalves 0.00003) (Fish 0.00003) (Birds 0.00003)	W.S. 0/37 C.S. 0/37	W.S. 0/37 C.S. 0/37	W.S. — C.S. —	(W.S. 0.003) (C.S. 0.003)					
			2007	0/48	0/48	—	(0.00003)	0/192	0/64	—	(0.00007)	Bivalves 0/31 Fish 22/80 Birds 5/10	Bivalves 0/7 Fish 7/16 Birds 1/2	Bivalves — Fish 0.00003～0.00053 Birds 0.00020～0.00030	(Bivalves 0.00003) (Fish 0.00003) (Birds 0.00003)	W.S. 0/36 C.S. 0/36	W.S. 0/36 C.S. 0/36	W.S. — C.S. —	(W.S. 0.0006) (C.S. 0.0006)					
			2008	0/48	0/48	—	(0.00002)	0/192	0/64	—	(0.00004)	Bivalves 0/31 Fish 31/85 Birds 5/10	Bivalves 0/7 Fish 8/17 Birds 1/2	Bivalves — Fish 0.00003～0.00059 Birds 0.00026～0.00036	(Bivalves 0.00003) (Fish 0.00003) (Birds 0.00003)	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)					
			2009	0/49	0/49	—	(0.00002)	0/192	0/64	—	(0.00003)	Bivalves 0/31 Fish 24/90 Birds 5/10	Bivalves 0/7 Fish 8/18 Birds 1/2	Bivalves — Fish 0.00002～0.00066 Birds 0.00016～0.00021	(Bivalves 0.00002) (Fish 0.00002) (Birds 0.00002)	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)					
691	1-Nonanol	143-08-8	1979	0/27	0/9	—	(5～50)	0/27	0/9	—	(0.3～1)													691
			1995	0/33	0/11	—	(4)	3/30	1/10	0.304～0.392	(0.1)					14/18	5/6	8.7～81	(6)					
692	Nonylphenol	25154-52-3	1976	0/8	0/2	—	(5)	0/8	0/2	—	(0.25)													692
			1977	0/3	0/1	—	(0.4)	3/3	1/1	0.05～0.07														
			1997	0/123	0/41	—	(1.1)	43/129	17/43	0.16～1.3	(0.15)													
			2005	23/27	9/9	0.020～0.48	(0.020)																	
	NTA	See Nitrilotriacetic acid																						
	o -Chlorophenol	See 2-Chlorophenol																						
	2,3,3,3,2',3',3'-Octachlorodipropyl ether	See Bis(2,3,3,3-tetrachloropropyl) ether																						
	Octachlorodipropyl ether	See Bis(2,3,3,3-tetrachloropropyl) ether																						
693	Octachlorostyrene	29082-74-4	2009	0/72	0/24	—	(0.000046)																	693
694	Octadecylamine(N-B)triphenylborane	107065-10-1	2005	0/9	0/3	—	(0.0061)																	694
695	1-Octanamine	111-86-4	1988	0/75	0/25	—	(0.1)	0/75	0/25	—	(0.022)													695
696	1-Octanol	111-87-5	1979	0/27	0/9	—	(5～50)	0/27	0/9	—	(0.3～1)													696
			2002	24/51	8/17	0.002～0.046	(0.002)	31/49	11/17	0.00094～0.024	(0.00024)	Fish 12/21	Fish 4/7	Fish 0.0024～0.062	(Fish 0.00077)									
697	2-Octanol	123-96-6	1995	0/33	0/11	—	(2)	0/33	0/11	—	(0.2)					10/18	4/6	4.2～130	(4)					697
	n -Octylamine	See 1-Octanamine																						
698	*p* -*n* -Octylphenol	1806-26-4	2005	0/12	0/4	—	(0.00092)																	698
	Octyltin compounds	See Organic tin compounds (Octyltin compounds)																						
	o -Isopropyloxyphenyl*N* -methylcarbamate	See 2-Isopropylphenyl*N* -methylcarbamate																						
	o -Phthalonitrile	See Phthalonitrile																						
699	Organic silicon compounds	Unknown	1979	0/120	0/40	—	(10)	21/120	8/40	2.1～19.2	(2.0)													699
			1980	0/120	0/40	—	(2.5)	68/120	30/40	1.0～70	(1.0)	Fish 89/108	Fish 25/28	Fish 1.0～16	(Fish 1.0)									
700	Organictin compounds	Unknown	1975	0/80	0/16	—	(10,000～25,000)																	700
700-1	Octyltin compounds	Unknown	1984	0/21	0/7	—	(0.5～6)	0/21	0/7	—	(0.01～0.84)													700-1
700-2	Dioctyltin compounds	Unknown	1984	0/21	0/7	—	(0.5～1)	0/21	0/7	—	(0.03～0.14)													700-2
			2000	3/147	2/49	0.0073～0.072	(0.0059)	27/147	13/49	11～100	(10)	Fish 23/117	Fish 12/39	Fish 0.64～6.5	(Fish 0.64)									
			2004	0/38	0/38	—	(0.0019)	81/189	33/63	0.0021～0.088	(0.0020)	Bivalves 0/31 Fish 4/70 Birds 0/10	Bivalves 0/7 Fish 1/14 Birds 0/2	Bivalves — Fish 0.0020～0.0025 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2006									Bivalves 3/31 Fish 7/80 Birds 0/10	Bivalves 1/7 Fish 3/16 Birds 0/2	Bivalves 0.00029～0.00034 Fish 0.00028～0.0047 Birds —	(Bivalves 0.00027) (Fish 0.00027) (Birds 0.00027)									
			2008	2/48	2/48	0.00073～0.010	(0.0006)	158/189	56/63	0.00009～0.090	(0.00009)	Bivalves 13/31 Fish 11/85 Birds 0/10	Bivalves 4/7 Fish 3/17 Birds 0/2	Bivalves 0.00011～0.00060 Fish 0.00037～0.11 Birds —	(Bivalves 0.00010) (Fish 0.00010) (Birds 0.00010)									
700-3	Trioctyltin compounds	Unknown	1984	0/21	0/7	—	(1)	0/21	0/7	—	(0.07～0.14)													700-3
700-4	Tricyclohexyltin compounds	Unknown	1986	0/30	0/10	—	(2)	0/18	0/6	—	(0.04)													700-4
700-5	Monophenyltin compounds (synonym: MPT)	Unknown	1989	14/67	9/23	0.03～47.3	(0.03)	28/55	11/19	0.019～1.1	(0.015)	Fish 28/54	Fish 11/18	Fish 0.015～1.1	(Fish 0.015)									700-5
			1991									Bivalves 1/30 Fish 10/55 Birds 0/10	Bivalves 1/6 Fish 4/11 Birds 0/2	Bivalves 0.021 Fish 0.018～0.10 Birds —	(Bivalves 0.015) (Fish 0.015) (Birds 0.015)									
			1998	0/156	0/52	—	(0.01)	31/134	14/46	0.016～0.76	(0.016)													
			1999	0/156	0/52	—	(0.007)	28/152	12/51	0.016～0.16	(0.016)	Fish 6/134	Fish 3/45	Fish 0.0041～0.0083	(Fish 0.0032)									
			2003					86/186	35/62	0.0008～1.0	(0.0008)	Bivalves 0/30 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.005) (Fish 0.005) (Birds 0.005)									
			2005	0/47	0/47	—	(0.00020)	110/189	42/63	0.00015～0.28	(0.00010)	Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.0010) (Fish 0.0010) (Birds 0.0010)									

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^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			
700-6	Diphenyltin compounds (synonym: DPT)	Unknown	1989	5/72	4/24	0.38～27	(0.06)	31/53	13/19	0.007～0.50	(0.005)	Fish 48/59	Fish 17/20	Fish 0.005～0.99	(Fish 0.005)									700-6
			1991									Bivalves 5/30 Fish 25/65 Birds 0/10	Bivalves 1/6 Fish 6/13 Birds 0/2	Bivalves 0.020 Fish 0.015～0.26 Birds －	(Bivalves 0.015) (Fish 0.015) (Birds 0.015)									
			1998	12/133	6/45	0.00037～0.0017	(0.0003)	79/138	30/46	0.00079～0.21	(0.00072)													
			1999	8/141	4/47	0.00026～0.0036	(0.00025)	65/149	26/50	0.00061～0.059	(0.00061)	Fish 41/134	Fish 20/45	Fish 0.00013～0.0039	(Fish 0.00013)									
			2003					100/186	38/62	0.00007～0.12	(0.00006)	Bivalves 3/30 Fish 3/70 Birds 0/10	Bivalves 2/6 Fish 2/14 Birds 0/2	Bivalves 0.0006～0.0016 Fish 0.0006～0.0013 Birds －	(Bivalves 0.0005) (Fish 0.0005) (Birds 0.0005)									
			2005	0/47	0/47	－	(0.000080)	97/189	39/63	0.000022～0.074	(0.000020)	Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.00050) (Fish 0.00050) (Birds 0.00050)									
700-7	Triphenyltin compounds (synonym: TPT)	Unknown	1982	0/69	0/23	－	(0.1～35)	0/69	0/23	－	(0.01～1.8)													700-7
			1988	73/119	30/40	0.005～0.088	(0.005)	99/129	37/45	0.001～1.1	(0.001)	Fish 118/144	Fish 42/48	Fish 0.02～2.6	(Fish 0.02)									
			1989	39/78	14/26	0.005～0.090	(0.003～0.05)	50/78	18/26	0.0006～0.17	(0.0003～0.015)	Bivalves 17/21 Fish 45/65 Birds 5/10	Bivalves 5/5 Fish 8/13 Birds 1/2	Bivalves 0.02～0.45 Fish 0.03～2.60 Birds 0.03～0.05	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1990	16/96	7/32	0.005～0.048	(0.002～0.02)	54/96	19/32	0.0008～0.13	(0.00015～0.015)	Bivalves 20/25 Fish 40/65 Birds 5/10	Bivalves 4/5 Fish 10/13 Birds 1/2	Bivalves 0.03～0.15 Fish 0.02～1.93 Birds 0.02～0.04	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1991	4/84	3/28	0.008～0.014	(0.003～0.05)	55/89	22/30	0.001～0.34	(0.0005～0.017)	Bivalves 22/30 Fish 34/65 Birds 0/10	Bivalves 5/6 Fish 8/13 Birds 0/2	Bivalves 0.02～0.08 Fish 0.02～0.59 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)					Food 0/81	Food 0/9	Food －ng/g-wet	(Food 2～17)	
			1992	10/90	5/30	0.005～0.044	(0.003～0.015)	57/95	22/32	0.001～0.09	(0.0005～0.025)	Bivalves 10/30 Fish 40/70 Birds 0/10	Bivalves 2/6 Fish 10/14 Birds 0/2	Bivalves 0.04～0.11 Fish 0.02～0.26 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)					Food 0/81	Food 0/9	Food －ng/g-wet	(Food 2～25)	
			1993	2/90	2/30	0.008～0.011	(0.005～0.1)	59/96	20/32	0.001～0.15	(0.0005～0.03)	Bivalves 5/30 Fish 38/70 Birds 0/10	Bivalves 1/6 Fish 10/14 Birds 0/2	Bivalves 0.04～0.07 Fish 0.02～0.34 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)					Food 0/81	Food 0/9	Food －ng/g-wet	(Food 1～10)	
			1994	4/92	2/31	0.005～0.01	(0.005～0.1)	47/88	22/31	0.001～0.26	(0.0003～0.03)	Bivalves 5/30 Fish 28/70 Birds 0/5	Bivalves 1/6 Fish 7/14 Birds 0/1	Bivalves 0.03～0.04 Fish 0.03～0.28 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)					Food 0/81	Food 0/9	Food －ng/g-wet	(Food 1～10)	
			1995	0/87	0/29	－	(0.005)	49/93	21/32	0.001～0.11	(0.0010)	Bivalves 0/30 Fish 21/70 Birds 0/10	Bivalves 0/6 Fish 5/14 Birds 0/2	Bivalves － Fish 0.03～0.25 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1996	0/108	0/36	－	(0.01)	41/99	15/33	0.001～0.22	(0.001)	Bivalves 0/30 Fish 20/70 Birds 0/10	Bivalves 0/6 Fish 5/14 Birds 0/2	Bivalves － Fish 0.02～0.27 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1997	0/108	0/36	－	(0.01)	36/91	16/31	0.001～0.28	(0.001)	Bivalves 5/30 Fish 19/70 Birds 0/10	Bivalves 1/6 Fish 5/14 Birds 0/2	Bivalves 0.05～0.07 Fish 0.02～0.12 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1998	4/102	3/34	0.0010～0.0015	(0.0010)	54/94	21/33	0.001～0.065	(0.001)	Bivalves 0/30 Fish 14/70 Birds 0/10	Bivalves 0/6 Fish 6/14 Birds 0/2	Bivalves － Fish 0.02～0.05 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			1999	3/105	1/35	0.0012～0.0040	(0.001)	45/99	17/33	0.001～0.062	(0.001)	Bivalves 0/30 Fish 10/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves － Fish 0.03～0.05 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			2000	0/102	0/34	－	(0.001)	52/96	20/32	0.001～0.070	(0.001)	Bivalves 1/30 Fish 13/70 Birds 0/10	Bivalves 1/6 Fish 4/14 Birds 0/2	Bivalves 0.02 Fish 0.03～0.10 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			2001	3/96	1/32	0.0014～0.0017	(0.001)	49/102	21/34	0.0010～0.029	(0.0010)	Bivalves 5/30 Fish 6/72 Birds 0/10	Bivalves 1/6 Fish 3/15 Birds 0/2	Bivalves 0.02 Fish 0.02～0.05 Birds －	(Bivalves 0.02) (Fish 0.02) (Birds 0.02)									
			2002					76/189	30/63	0.00055～0.49	(0.00055)	Bivalves 31/38 Fish 69/70 Birds 0/10	Bivalves 7/8 Fish 14/14 Birds 0/2	Bivalves 0.0006～0.025 Fish 0.0007～0.52 Birds －	(Bivalves 0.0005) (Fish 0.0005) (Birds 0.0005)									
			2003					96/186	37/62	0.00009～0.54	(0.00009)	Bivalves 26/30 Fish 68/70 Birds 0/10	Bivalves 6/6 Fish 14/14 Birds 0/2	Bivalves 0.0011～0.027 Fish 0.0009～0.030 Birds －	(Bivalves 0.0005) (Fish 0.0005) (Birds 0.0005)									
			2005	2/47	2/47	0.00014～0.00019	(0.000050)	104/189	39/63	0.000032～0.42	(0.000030)	Bivalves 31/31 Fish 76/80 Birds 1/10	Bivalves 7/7 Fish 16/16 Birds 1/2	Bivalves 0.0006～0.015 Fish 0.0005～0.034 Birds 0.0005	(Bivalves 0.0005) (Fish 0.0005) (Birds 0.0005)									
			2010	4/49	4/49	0.00005～0.00025	(0.00005)	106/192	42/64	0.00004～0.21	(0.00003)	Bivalves 16/16 Fish 54/54 Birds 1/6	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 0.00049～0.0065 Fish 0.00014～0.014 Birds 0.00012	(Bivalves 0.00011) (Fish 0.00011) (Birds 0.00011)									
700-8	Tetraphenyltin	595-90-4	1997	0/159	0/53	－	(0.05)	9/126	5/42	0.0060～0.50	(0.0058)	Fish 7/144	Fish 4/46	Fish 0.00098～0.0053	(Fish 0.00088)									700-8
700-9	Monobutyltin compounds (synonym: MBT)	Unknown	1991									Bivalves 24/25 Fish 15/60 Birds 3/10	Bivalves 5/5 Fish 4/12 Birds 1/2	Bivalves 0.007～0.10 Fish 0.006～0.034 Birds 0.007～0.011	(Bivalves 0.005) (Fish 0.005) (Birds 0.005)									700-9
			2005	11/45	11/45	0.00030～0.0019	(0.00030)	155/189	54/63	0.00031～0.15	(0.00030)	Bivalves 29/31 Fish 22/80 Birds 1/10	Bivalves 7/7 Fish 11/16 Birds 1/2	Bivalves 0.0016～0.065 Fish 0.0015～0.0085 Birds 0.0037	(Bivalves 0.0015) (Fish 0.0015) (Birds 0.0015)									
700-10	Dibutyltin compounds (synonym: DBT)	Unknown	1983	0/75	0/25	－	(0.1～0.4)	3/75	2/25	0.02～0.03	(0.01～0.044)													700-10
			1984	0/138	0/46	－	(0.08～10)	6/138	2/46	0.004～0.11	(0.003～0.07)	Fish 0/138	Fish 0/42	Fish －	(Fish 0.003～0.05)									
			1991									Bivalves 30/30 Fish 30/50 Birds 3/10	Bivalves 6/6 Fish 8/10 Birds 1/2	Bivalves 0.010～0.40 Fish 0.005～0.074 Birds 0.006～0.019	(Bivalves 0.005) (Fish 0.005) (Birds 0.005)									
			1998	20/39	8/13	0.0030～0.017	(0.0021)	36/36	12/12	0.0020～0.27	(0.002)													
			1999	109/145	40/49	0.0011～0.020	(0.001)	122/153	45/51	0.0027～0.19	(0.0025)	Fish 75/140	Fish 29/47	Fish 0.0023～0.071	(Fish 0.0023)									
			2003					152/186	57/62	0.0004～0.64	(0.0004)	Bivalves 30/30 Fish 39/70 Birds 4/10	Bivalves 6/6 Fish 12/14 Birds 1/2	Bivalves 0.002～0.053 Fish 0.001～0.007 Birds 0.001～0.003	(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^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			
			2005	19/44	19/44	0.0017〜0.17	(0.0010)	157/189	56/63	0.00030〜0.75	(0.00030)	Bivalves 31/31 Fish 43/81 Birds 1/10	Bivalves 7/7 Fish 13/16 Birds 1/2	Bivalves 0.0023〜0.024 Fish 0.0010〜0.014 Birds 0.0023	(Bivalves 0.0010) (Fish 0.0010) (Birds 0.0010)									
700-11	Tributyltin compounds (synonym: TBT)	Unknown	1983	0/75	0/25	—	(0.1〜1)	9/75	3/25	0.05〜0.70	(0.01〜0.08)													700-11
			1984	0/138	0/46	—	(0.1〜10)	32/138	12/46	0.006〜0.91	(0.006〜0.21)	Fish 29/138	Fish 14/42	Fish 0.009〜0.48	(Fish 0.003〜0.1)									
			1985									Bivalves 15/20 Fish 23/60 Birds 0/10	Bivalves 3/4 Fish 6/12 Birds 0/2	Bivalves 0.05〜0.28 Fish 0.05〜1.7 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1986									Bivalves 20/20 Fish 27/60 Birds 0/10	Bivalves 4/4 Fish 6/12 Birds 0/2	Bivalves 0.05〜0.48 Fish 0.05〜0.69 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1987									Bivalves 20/20 Fish 16/65 Birds 0/10	Bivalves 4/4 Fish 4/13 Birds 0/2	Bivalves 0.05〜0.43 Fish 0.07〜1.3 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1988	34/51	12/17	0.003〜0.11	(0.003)	51/51	17/17	0.0004〜0.23	(0.0003)	Bivalves 12/20 Fish 27/65 Birds 0/10	Bivalves 3/4 Fish 7/13 Birds 0/2	Bivalves 0.05〜0.29 Fish 0.05〜0.66 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1989	48/78	17/26	0.005〜0.45	(0.003〜0.06)	65/78	22/26	0.0003〜0.44	(0.0001〜0.005)	Bivalves 16/21 Fish 23/65 Birds 0/10	Bivalves 4/5 Fish 5/13 Birds 0/2	Bivalves 0.07〜0.75 Fish 0.05〜0.66 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1990	62/96	22/32	0.003〜0.051	(0.01〜0.001)	82/96	29/32	0.0005〜0.89	(0.00005〜0.005)	Bivalves 24/25 Fish 26/65 Birds 0/10	Bivalves 5/5 Fish 6/13 Birds 0/2	Bivalves 0.05〜0.51 Fish 0.05〜1.15 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1991	60/93	23/31	0.003〜0.067	(0.001〜0.007)	85/95	30/32	0.0008〜0.42	(0.0003〜0.005)	Bivalves 18/30 Fish 21/65 Birds 0/10	Bivalves 4/6 Fish 5/13 Birds 0/2	Bivalves 0.05〜0.37 Fish 0.06〜0.59 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)					Food 10/81	Food 6/9	Food 5.1〜10ng/g-wet	(Food 5)	
			1992	52/99	20/33	0.003〜0.084	(0.002〜0.006)	87/102	31/34	0.0014〜0.42	(0.0003〜0.01)	Bivalves 17/30 Fish 22/70 Birds 0/10	Bivalves 5/6 Fish 6/14 Birds 0/2	Bivalves 0.05〜0.45 Fish 0.06〜0.43 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)					Food 3/72	Food 2/8	Food 6〜11ng/g-wet	(Food 1〜10)	
			1993	42/99	17/33	0.003〜0.049	(0.003〜0.025)	83/102	30/34	0.0008〜1.6	(0.0003〜0.007)	Bivalves 15/30 Fish 23/70 Birds 0/10	Bivalves 3/6 Fish 6/14 Birds 0/2	Bivalves 0.05〜0.78 Fish 0.05〜0.37 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)					Food 1/81	Food 1/9	Food 11ng/g-wet	(Food 1〜10)	
			1994	35/99	15/33	0.003〜0.03	(0.002〜0.025)	87/102	31/34	0.001〜0.44	(0.0003〜0.007)	Bivalves 6/30 Fish 15/70 Birds 0/5	Bivalves 2/6 Fish 3/14 Birds 0/1	Bivalves 0.05〜0.10 Fish 0.10〜0.17 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)					Food 4/81	Food 1/9	Food 5〜10ng/g-wet	(Food 0.3〜5)	
			1995	31/105	13/35	0.003〜0.042	(0.003)	87/104	31/35	0.0009〜0.57	(0.0008)	Bivalves 20/30 Fish 13/70 Birds 0/10	Bivalves 5/6 Fish 6/14 Birds 0/2	Bivalves 0.05〜0.35 Fish 0.05〜0.54 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1996	27/105	13/35	0.003〜0.014	(0.003)	94/108	32/36	0.0007〜0.93	(0.0006)	Bivalves 15/30 Fish 23/70 Birds 0/10	Bivalves 3/6 Fish 6/14 Birds 0/2	Bivalves 0.05〜0.09 Fish 0.05〜0.24 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1997	21/107	11/36	0.003〜0.009	(0.003)	85/105	30/35	0.0008〜0.24	(0.0008)	Bivalves 18/30 Fish 12/70 Birds 0/10	Bivalves 4/6 Fish 3/14 Birds 0/2	Bivalves 0.05〜0.24 Fish 0.07〜0.14 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1998	20/73	9/25	0.0031〜0.0080	(0.0030)	86/105	30/35	0.0008〜0.73	(0.0008)	Bivalves 10/30 Fish 17/70 Birds 0/10	Bivalves 2/6 Fish 6/14 Birds 0/2	Bivalves 0.06〜0.11 Fish 0.05〜0.09 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			1999	16/105	8/35	0.003〜0.0098	(0.003)	85/103	31/36	0.00095〜0.45	(0.0008)	Bivalves 0/30 Fish 9/70 Birds 0/10	Bivalves 0/6 Fish 4/14 Birds 0/2	Bivalves — Fish 0.05〜0.12 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			2000	9/102	6/34	0.003〜0.0046	(0.003)	81/99	29/33	0.0009〜0.24	(0.0008)	Bivalves 0/30 Fish 10/70 Birds 0/10	Bivalves 0/6 Fish 3/14 Birds 0/2	Bivalves — Fish 0.05〜0.16 Birds —	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)									
			2001	13/96	7/32	0.0030〜0.023	(0.003)	83/102	30/34	0.0008〜0.21	(0.0008)	Bivalves 30/30 Fish 31/72 Birds 0/10	Bivalves 6/6 Fish 8/15 Birds 0/2	Bivalves 0.01〜0.05 Fish 0.01〜0.10 Birds —	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			2002					126/189	48/63	0.0012〜0.39	(0.0012)	Bivalves 38/38 Fish 55/70 Birds 0/10	Bivalves 8/8 Fish 13/14 Birds 0/2	Bivalves 0.002〜0.057 Fish 0.001〜0.50 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2003					127/186	46/62	0.0004〜0.45	(0.0004)	Bivalves 30/30 Fish 63/70 Birds 1/10	Bivalves 6/6 Fish 13/14 Birds 1/2	Bivalves 0.002〜0.025 Fish 0.001〜0.072 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2005	2/47	2/47	0.00044〜0.00076	(0.00010)	143/189	52/63	0.000085〜0.59	(0.000080)	Bivalves 31/31 Fish 49/80 Birds 0/10	Bivalves 7/7 Fish 11/16 Birds 0/2	Bivalves 0.0015〜0.025 Fish 0.0010〜0.13 Birds —	(Bivalves 0.0010) (Fish 0.0010) (Birds 0.0010)									
			2010	12/49	12/49	0.0002〜0.0016	(0.0001)	148/192	53/64	0.00010〜1.3	(0.00008)	Bivalves 16/16 Fish 49/54 Birds 0/6	Bivalves 6/6 Fish 17/18 Birds 0/2	Bivalves 0.0016〜0.03 Fish 0.00016〜0.023 Birds —	(Bivalves 0.00016) (Fish 0.00016) (Birds 0.00016)									
700-12	Tripropyltin compounds	Unknown	1982	0/60	0/20	—	(0.1〜2)	0/60	0/20	—	(0.01〜0.12)	Fish 1/9	Fish 1/3	Fish 0.0025	(Fish 0.0006)									700-12
	Oxamyl	See *N′,N′*-Dimethylcarbamoyl(methylthio)methylenamine*N*-methylcarbamate																						
701	4-Oxilanyl-1,2-epoxycyclohexanc	106-87-6	2006													0/15	0/5	—	(16)					701
	Oxirane	See Ethylene oxide																						
702	Oxychlordane	26880-48-8	1982	0/126	0/42	—	(0.005)	3/126	3/42	0.0002〜0.0003	(0.0002〜0.001)	Fish 47/123	Fish 20/36	Fish 0.001〜0.009	(Fish 0.001)									702
			1983									Bivalves 5/20 Fish 17/50 Birds 7/10	Bivalves 1/4 Fish 4/10 Birds 2/2	Bivalves 0.003〜0.004 Fish 0.001〜0.004 Birds 0.001〜0.049	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1984									Bivalves 5/20 Fish 26/60 Birds 10/10	Bivalves 1/4 Fish 6/12 Birds 2/2	Bivalves 0.005 Fish 0.001〜0.007 Birds 0.001〜0.049	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 5/20 Fish 31/60 Birds 10/10	Bivalves 1/4 Fish 7/12 Birds 2/2	Bivalves 0.005〜0.008 Fish 0.001〜0.005 Birds 0.001〜0.046	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1986		0/18	—			0/18	—		Bivalves 4/20 Fish 24/60 Birds 8/10	Bivalves 1/4 Fish 6/12 Birds 2/2	Bivalves 0.004〜0.006 Fish 0.001〜0.005 Birds 0.001〜0.055	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)	0/73	0/12	—	(1.5)					

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^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			
			1987		0/20	—			0/20	—		Bivalves 5/20 Fish 28/65 Birds 5/10	Bivalves 1/4 Fish 7/13 Birds 1/2	Bivalves 0.002～0.006 Fish 0.001～0.013 Birds 0.030～0.079	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1988									Bivalves 1/20 Fish 24/65 Birds 5/10	Bivalves 1/4 Fish 6/13 Birds 1/2	Bivalves 0.002 Fish 0.001～0.006 Birds 0.014～0.040	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1989									Bivalves 4/21 Fish 28/65 Birds 7/10	Bivalves 1/5 Fish 7/13 Birds 2/2	Bivalves 0.001～0.004 Fish 0.001～0.005 Birds 0.001～0.023	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1990									Bivalves 5/25 Fish 16/65 Birds 5/10	Bivalves 1/5 Fish 4/13 Birds 1/2	Bivalves 0.004～0.006 Fish 0.001～0.007 Birds 0.011～0.018	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1991									Bivalves 10/30 Fish 21/65 Birds 8/10	Bivalves 2/6 Fish 6/13 Birds 2/2	Bivalves 0.001～0.006 Fish 0.001～0.004 Birds 0.001～0.014	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 5/30 Fish 14/70 Birds 10/10	Bivalves 1/6 Fish 4/14 Birds 2/2	Bivalves 0.008～0.011 Fish 0.001～0.003 Birds 0.002～0.019	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1993									Bivalves 5/30 Fish 21/70 Birds 10/10	Bivalves 1/6 Fish 5/14 Birds 2/2	Bivalves 0.005～0.007 Fish 0.001～0.004 Birds 0.002～0.016	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1994									Bivalves 5/30 Fish 12/70 Birds 0/5	Bivalves 1/6 Fish 3/14 Birds 0/1	Bivalves 0.006～0.016 Fish 0.001～0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1995									Bivalves 5/30 Fish 3/70 Birds 5/10	Bivalves 1/6 Fish 2/14 Birds 1/2	Bivalves 0.005～0.007 Fish 0.001～0.002 Birds 0.003～0.011	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									Bivalves 5/30 Fish 11/70 Birds 5/10	Bivalves 1/6 Fish 3/14 Birds 1/2	Bivalves 0.004 Fish 0.001～0.003 Birds 0.001～0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1997									Bivalves 5/30 Fish 1/70 Birds 0/10	Bivalves 1/6 Fish 1/14 Birds 0/2	Bivalves 0.003～0.004 Fish 0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1998									Bivalves 5/30 Fish 5/70 Birds 1/10	Bivalves 1/6 Fish 1/14 Birds 1/2	Bivalves 0.002～0.003 Fish 0.001 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999									Bivalves 5/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.002～0.003 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2000									Bivalves 5/30 Fish 5/69 Birds 0/10	Bivalves 1/6 Fish 2/14 Birds 0/2	Bivalves 0.004～0.006 Fish 0.001～0.002 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001									Bivalves 5/30 Fish 7/72 Birds 7/10	Bivalves 1/6 Fish 5/15 Birds 2/2	Bivalves 0.001～0.003 Fish 0.001～0.007 Birds 0.001～0.005	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2002	96/114	35/38	0.00000013～ 0.000041	(0.0000004)	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～ 0.0056 Fish 0.000016～0.0039 Birds 0.00047～ 0.00089	(Bivalves 0.0000012) (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 0.0000028) (Fish 0.0000028) (Birds 0.0000028)	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 0.0000031) (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 0.0000031) (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)					

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^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			
			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 0.000011〜0.0033 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)					
			2011	44/49	44/49	0.00000036〜0.000034	(0.0000005)	36/64	36/64	0.0000009〜0.000083	(0.0000009)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000008〜0.00026 Fish 0.000033〜0.0023 Birds 0.00059	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00028〜0.0052 C.S. 0.00021〜0.0026	(W.S. 0.00003) (C.S. 0.00003)					
	2,4-PA	See 2,4-Dichlorophenoxy acetic acid																						
	PAP	See Ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetat																						
	PCB	See Polychlorobiphenyls																						
	p-Chlorophenol	See 4-Chlorophenol																						
	PCN	See Polychloronaphthalenes																						
	PCNB	See Pentachloronitrobenzene																						
	PCP	See Pentachlorophenol																						
	PCT	See Polychloroterphenyls																						
	Penchlorol	See Pentachlorophenol																						
	Pendimethalin	See *N*-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidin																						
703	Pentabromobenzene	608-90-2	1981	0/18	0/6	—	(0.005〜0.05)	0/18	0/6	—	(0.00005〜0.001)													703
704	1,2,3,4,5-Pentabromo-6-chlorocyclohexane	87-84-3	1985	0/27	0/9	—	(0.03)	0/27	0/9	—	(0.004)													704
705	Pentachloroaniline	527-20-8	1981	0/15	0/5	—	(0.0001〜0.01)	0/15	0/5	—	(0.001〜0.01)													705
706	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)	706
			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 Fish 1/50	Bivalves 0/3 Fish 1/10	Bivalves — Fish 0.002	(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 0.001 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 4/10	Bivalves 0/4 Fish 0/12 Birds 1/2	Bivalves — Fish — Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1985									Bivalves 0/20 Fish 0/60 Birds 2/10	Bivalves 0/4 Fish 0/12 Birds 1/2	Bivalves — Fish — Birds 0.001〜0.002	(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 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 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)	9/24	3/8	1.0〜8.0	(1)					
			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)	39/39	13/13	0.012〜1.1	(0.011)					
			2007	0/48	0/48	—	(0.0013)	79/192	35/64	0.000035〜0.024	(0.000033)	Bivalves 1/31 Fish 36/80 Birds 10/10	Bivalves 1/7 Fish 10/16 Birds 2/2	Bivalves 0.00015 Fish 0.000068〜0.00048 Birds 0.000089〜0.00021	(Bivalves 0.000061) (Fish 0.000061) (Birds 0.000061)	W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.018〜0.31 C.S. 0.027〜0.22	(W.S. 0.0048) (C.S. 0.0048)					
			2009													W.S. 111/111 C.S. 111/111	W.S. 37/37 C.S. 37/37	W.S. 0.020〜0.21 C.S. 0.0050〜0.12	(W.S. 0.0025) (C.S. 0.0025)					
			2010	49/49	49/49	0.000001〜0.00010	(0.000001)	64/64	64/64	0.000001〜0.0042	(0.0000003)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.0000059〜0.00011 Fish 0.0000056〜0.00023 Birds 0.000049〜0.00017	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.036〜0.14 C.S. 0.037〜0.18	(W.S. 0.0005) (C.S. 0.0005)					
			2011	49/49	49/49	0.0000026〜0.00017	(0.0000009)	64/64	64/64	0.000003〜0.0045	(0.000002)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000010〜0.00026 Fish 0.000005〜0.00022 Birds 0.000052	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.030〜0.14 C.S. 0.026〜0.18	(W.S. 0.0007) (C.S. 0.0007)					

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^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			
707	Pentachloroethane	76-01-7	1984	0/21	0/7	—	(0.005〜0.04)	0/21	0/7	—	(0.00003〜0.00050)													707
708	Pentachloronitrobenzene	82-68-8	1981	0/12	0/4	—	(0.01)	0/12	0/4	—	(0.0005)													708
			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)					
709	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)													709
			1996	0/33	0/11	—	(0.2)	2/33	2/11	0.011〜0.014	(0.01)													
			2005	0/27	0/9	—	(0.010)																	
710	Pentaerythritol	115-77-5	1997	0/33	0/11	—	(0.52)	0/33	0/11	—	(0.06)													710
711	Pentanal		2010	3/51	2/17	0.022〜0.037	(0.021)																	711
712	4-*tert*-Pentylphenol	80-46-6	2008	0/99	0/33	—	(0.0011)	13/78	6/26	0.00029〜0.00044	(0.00028)													712
713	Perfluorododecanoic acid	307-55-1	2010	8/81	3/27	0.0001〜0.0003	(0.0001)																	713
			2011					49/105	22/35	0.000025〜0.003	(0.000023)													
714	Perfluorohexadecanoic acid	67905-19-5	2010	0/81	0/27	—	(0.000061)																	714
			2011					14/105	5/35	0.00006〜0.00059	(0.000048)													
715	Perfluorooctane sulfonic acid (PFOS)******	1763-23-1	2002	60/60	20/20	0.00007〜0.024	(0.00004)																	715
			2003					25/60	10/20	0.00011〜0.0015	(0.000096)	Fish 27/27	Fish 9/9	Fish 0.00016〜0.016	(Fish 0.000033)									
			2004													57/60	20/20	0.00012〜0.044	(0.00009)	Food 46/50	10/10	0.0034〜0.12ng/g-wet	(0.0033)	
			2005	21/21	7/7	0.00009〜0.016	(0.00005)	21/21	7/7	0.000026〜0.00085	(0.0000072)	Bivalves 17/18 Fish 55/57	Bivalves 6/6 Fish 19/19	Bivalves 0.000018〜0.0016 Fish 0.0066〜0.025	(Bivalves 0.000018) (Fish 0.000018)									
			2009	49/49	49/49	0.000026〜0.014	(0.000014)	180/190	64/64	0.0000051〜0.0019	(0.0000037)	Bivalves 17/31 Fish 83/90 Birds 10/10	Bivalves 5/7 Fish 17/18 Birds 2/2	Bivalves 0.000018〜0.00064 Fish 0.0000090〜0.015 Birds 0.000037〜0.00089	(Bivalves 0.0000074) (Fish 0.0000074) (Birds 0.0000074)									
			2010	49/49	49/49	0.000037〜0.23	(0.00002)	64/64	64/64	0.000003〜0.0017	(0.000002)	Bivalves 5/6 Fish 17/18 Birds 2/2	Bivalves 5/6 Fish 17/18 Birds 2/2	Bivalves 0.000037〜0.00068 Fish 0.000026〜0.015 Birds 0.00058〜0.0030	(Bivalves 0.0000096) (Fish 0.0000096) (Birds 0.0000096)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0016〜0.014 C.S. 0.0014〜0.015	(W.S. 0.0001) (C.S. 0.0001)					
			2011	49/49	49/49	0.00002〜0.010	(0.00002)	63/64	63/64	0.000008〜0.0011	(0.000002)	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 0.000016〜0.00010 Fish 0.000005〜0.0032 Birds 0.00011	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0009〜0.010 C.S. 0.0013〜0.0095	(W.S. 0.0002) (C.S. 0.0002)					
716	Perfluorooctanoic acid (PFOA)******	335-67-1	2002	60/60	20/20	0.00033〜0.10	(0.00004)																	716
			2003					29/60	12/20	0.000071〜0.00055	(0.000070)	Fish 6/27	Fish 4/9	Fish 0.000064〜0.00010	(Fish 0.000059)									
			2004													60/60	20/20	0.00022〜5.3	(0.00014)	Food 10/50	6/10	0.010〜0.024ng/g-wet	(0.010)	
			2005	21/21	7/7	0.00024〜0.047	(0.00004)	11/18	5/6	0.00006〜0.0013	(0.000024)	Bivalves 18/18 Fish 49/57	Bivalves 6/6 Fish 17/19	Bivalves 0.000043〜0.00027 Fish 0.000034〜0.00066	(Bivalves 0.000034) (Fish 0.000034)									
			2009	49/49	49/49	0.00025〜0.031	(0.000023)	182/190	64/64	0.0000033〜0.00050	(0.0000033)	Bivalves 27/31 Fish 74/90 Birds 10/10	Bivalves 7/7 Fish 17/18 Birds 2/2	Bivalves 0.000010〜0.000094 Fish 0.000010〜0.00049 Birds 0.000016〜0.000058	(Bivalves 0.0000099) (Fish 0.0000099) (Birds 0.0000099)									
			2010	49/49	49/49	0.00019〜0.023	(0.00002)	62/64	62/64	0.000005〜0.00018	(0.000005)	Bivalves 5/6 Fish 13/18 Birds 2/2	Bivalves 5/6 Fish 13/18 Birds 2/2	Bivalves 0.000023〜0.000076 Fish 0.000010〜0.000095 Birds 0.000030〜0.000048	(Bivalves 0.0000099) (Fish 0.0000099) (Birds 0.0000099)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0040〜0.21 C.S. 0.0024〜0.13	(W.S. 0.0002) (C.S. 0.0002)					
			2011	49/49	49/49	0.00038〜0.050	(0.00002)	64/64	64/64	0.000022〜0.0011	(0.000002)	Bivalves 3/4 Fish 7/18 Birds 0/1	Bivalves 3/4 Fish 7/18 Birds 0/1	Bivalves 0.000018〜0.00004 Fish 0.000014〜0.000051 Birds —	(Bivalves 0.000014) (Fish 0.000014) (Birds 0.000014)	W.S. 35/35 C.S. 36/37	W.S. 35/35 C.S. 36/37	W.S. 0.0035〜0.24 C.S. 0.0033〜0.097	(W.S. 0.0018) (C.S. 0.0018)					
717	Perfluorotetradecanoic acid	376-06-7	2010	0/81	0/27	—	(0.0001)																	717
			2011					35/105	15/35	0.000036〜0.0017	(0.000036)													
	PFOA	See Perfluorooctanoic acid																						
	PFOS	See Perfluorooctane sulfonic acid																						
	PHC	See 2-Isopropylphenyl *N*-methylcarbamate																						
718	Phenanthrene	85-01-8	1977	0/9	0/3	—	(0.02〜5)	9/9	3/3	0.009〜2.8														718
			1999	0/36	0/12	—	(0.012)	38/39	13/13	0.0058〜0.26	(0.0056)	Fish 25/39	Fish 10/13	Fish 0.00072〜0.0037	(Fish 0.00069)	39/39	13/13	1.6〜29	(0.019)					
			2006									Fish 9/9	Fish 3/3	Fish 0.0012〜0.0030	(Fish 0.0002)	15/15	5/5	3.7〜26	(1.6)					
			2007	13/22	6/9	0.0015〜0.055	(0.0014)	30/30	10/10	0.0039〜0.69	(0.000023)													
719	*p*-Phenetidine	156-43-4	1977	0/6	0/2	—	(1〜5)	0/6	0/2	—	(0.5〜1.0)													719
			1985	0/33	0/11	—	(0.05)	0/33	0/11	—	(0.005)													
			1998	1/39	1/13	0.36	(0.3)	0/39	0/13	—	(0.02)													
			2005	0/15	0/5	—	(0.035)																	
720	Phenol	108-95-2	1977	0/9	0/3	—	(0.2〜10)	3/9	1/3	0.03〜0.04	(0.01〜0.1)													720
			1996	76/136	34/46	0.030〜1.47	(0.03)	110/129	45/48	0.0055〜0.94	(0.0054)	Fish 63/133	Fish 27/44	Fish 0.020〜0.586	(Fish 0.02)	40/47	15/16	50.1〜760	(50)					
			1998	15/30	5/10	0.066〜0.7	(0.03)	23/29	8/10	0.012〜0.50	(0.0054)	Fish 16/30	Fish 8/11	Fish 0.024〜0.062	(Fish 0.02)									
			2003	10/114	6/38	0.028〜0.67	(0.028)																	
721	Phenothiazine	92-84-2	1986	0/24	0/8	—	(0.5)	0/24	0/8	—	(1.5)													721
	(Phenoxymethyl)oxirane	See 2,3-Epoxypropyl phenyl ether																						
	Phenthoate	See Ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate																						
722	1-Phenylazo-2-naphthol	842-07-9	1988	0/72	0/24	—	(0.5)	0/72	0/24	—	(0.10)													722
	1-Phenyl-1-(2,4-dimethyl)ethane	See 4-(1-Phenylethyl)-*m*-xylene																						
	1-Phenyl-1-(3,4-dimethyl)ethane	See 1,2-Dimethyl-4-(1-phenylethyl)benzene																						
723	*o*-Phenylenediamine	95-54-5	1978	0/24	0/8	—	(5〜20)	0/24	0/8	—	(1.0〜2.2)													723
724	*m*-Phenylenediamine	108-45-2	1978	0/24	0/8	—	(5〜20)	0/24	0/8	—	(1.0〜2.2)													724
			2005	0/12	0/4	—	(0.45)																	
725	*p*-Phenylenediamine	106-50-3	1978	0/24	0/8	—	(5〜20)	0/24	0/8	—	(1.0〜2.2)													725
726	*p*-(1-Phenylethyl)phenol	1988-89-2	1978	0/45	0/15	—	(0.02〜10)	0/45	0/15	—	(0.0013〜1)													726
727	4-(1-Phenylethyl)-*m*-xylene	6165-52-2	1977	0/18	0/16	—	(0.01〜5)	9/18	3/16	0.013〜0.16	(0.0013〜0.3)	Fish 8/18	Fish 5/5	Fish 0.00041〜0.0046	(Fish 0.0002〜0.3)									727

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^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			
			1980	0/120	0/40	—	(0.005〜20)	3/120	1/40	0.022〜0.027	(0.002〜1.0)	Fish 0/108	Fish 0/28	Fish —	(Fish 0.001〜2.5)									
728	Phenylhydrazine	100-63-0	1986	0/30	0/10	—	(2)	0/30	0/10	—	(0.2)													728
729	*N*-Phenyl-1-naphthylamine	90-30-2	1980	0/36	0/12	—	(0.025〜0.1)	9/36	5/12	0.0044〜0.04	(0.0013〜0.02)													729
			1981	0/126	0/42	—	(0.1)	0/126	0/42	—	(0.005)	Fish 0/123	Fish 0/36	Fish —	(Fish 0.005)									
	N-Phenyl-2-naphthylamine	See *N*-2-naphthylaniline																						
730	Phenyl oxirane (synonym: Styrene oxide)	96-09-3	2007	0/15	0/5	—	(0.012)																	730
731	2-Phenylphenol	90-43-7	1978	0/30	0/10	—	(0.02〜12.5)	0/30	0/10	—	(0.02〜0.68)													731
			1999	0/30	0/10	—	(0.008)	0/36	0/12	—	(0.0068)	Fish 1/33	Fish 1/11	Fish 0.013	(Fish 0.0032)									
	o-Phenylphenol	See 2-Phenylphenol																						
732	*m*-Phenylphenol	580-51-8	1978	0/30	0/10	—	(0.02〜50)	0/30	0/10	—	(0.06〜2.5)													732
733	*p*-Phenylphenol	92-69-3	1978	0/30	0/10	—	(0.02〜50)	0/30	0/10	—	(0.06〜2.5)													733
			1999	2/27	1/9	0.007〜0.009	(0.006)	1/36	1/12	0.002	(0.0016)	Fish 1/33	Fish 1/11	Fish 0.010	(Fish 0.0020)									
	2-Phenylpropylene	See *alpha*-Methylstyrene																						
734	6-Phenyl-1,3,5-triazine-2,4-diamine	91-76-9	2008	18/24	6/8	0.0015〜0.012	(0.0010)									11/13	5/5	0.022〜0.22	(0.019)					734
	1-Phenyl-1-(3,4-xylyl)ethane	See 1,2-Dimethyl-4-(1-phenylethyl)benzene																						
	Phorone	See 2,6-Dimethyl-2,5-heptadien-4-one																						
	Phosalone	See *O*,*O*-Dimethyl *S*-phthalimidylmethyl dithiophosphate																						
	Phosmet	See *O*,*O*-Dimethyl *S*-phthalimidylmethyl dithiophosphate																						
735	*N*-(Phosphonomethyl)glycine (synonym: Glyphosate)	1071-83-6	1993	0/33	0/11	—	(0.2)	0/30	0/10	—	(0.009)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.4)									735
	Phoxim	See *alpha*-(Diethoxyphosphinothioylimino) phenylacetonitrile																						
736	Phthalate esters	Unknown	1975	54/115	14/23	7.9〜77,000	(10〜10,000)																	736
736-1	Diallyl phthalate	131-17-9	1985	0/27	0/9	—	(0.2)	0/27	0/9	—	(0.02)													736-1
736-2	Diisodecyl phthalate	26761-40-0	1974	0/250	0/50	—	(0.05〜10)	0/227	0/46	—	(0.00005〜3.14)	Fish 0/200 Plankton 0/2	Fish 0/40 Plankton 0/1	Fish — Plankton —	(Fish 0.00005〜5.0) (Plankton 0.01)					Precipitation 0/73	0/34	—ppm	(0.00005〜0.010)	736-2
			2001													12/21	6/7	0.30〜1.3	(0.30)					
736-3	Diisotridecyl phthalate	27253-26-5	2001													0/21	0/7	—	(0.1)					736-3
736-4	Diisononyl phthalate	28553-12-0	1996	0/33	0/11	—	(4)	0/33	0/11	—	(3.5)					0/18	0/6	—	(72)					736-4
			2001													20/21	7/7	0.42〜22	(0.40)					
736-5	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 Plankton 0/4	Fish 7/63 Plankton 0/2	Fish 0.15〜0.47 Plankton —	(Fish 0.00005〜0.2) (Plankton 0.01〜5)					Precipitation 11/111	7/53	0.00015〜0.0344ppm	(0.00004〜0.001)	736-5
			1996	0/33	0/11	—	(0.2)	0/33	0/11	—	(0.026)					1/18	1/6	3.3	(2.5)					
736-6	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 Plankton 0/4	Fish 4/63 Plankton 0/2	Fish 0.14〜0.36 Plankton —	(Fish 0.00005〜5.0) (Plankton 0.01〜10)					Precipitation 22/111	15/53	0.00016〜0.0085ppm	(0.00005〜0.010)	736-6
736-7	Diethyl phthalate	84-66-2	1985	0/27	0/9	—	(0.2)	0/27	0/9	—	(0.02)													736-7
736-8	Di-*n*-octyl phthalate	117-84-0	1974	4/355	1/71	1〜41	(0.05〜50)	3/331	2/67	0.72〜4.4	(0.00005〜5)	Fish 0/292 Plankton 0/4	Fish 0/59 Plankton 0/2	Fish — Plankton —	(Fish 0.00005〜25) (Plankton 0.01〜10)					Precipitation 1/105	1/50	0.012ppm	(0.00005〜0.050)	736-8
			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)					
736-9	Dicyclohexyl phthalate	84-61-7	1985	0/27	0/9	—	(0.4)	0/27	0/9	—	(0.05)													736-9
736-10	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 Plankton 0/4	Fish 33/67 Plankton 0/2	Fish 0.006〜1.95 Plankton —	(Fish 0.01〜0.87) (Plankton 0.1〜5)					Precipitation 68/111	35/53	0.00013〜0.052ppm	(0.0001〜0.004)	736-10
			1975	77/115	18/23	13〜21,000	(10〜3,000)																	
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves — Fish —	(Bivalves 0.1) (Fish 0.1)									
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1〜1.0) (Birds 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 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1〜0.5) (Birds 0.1)									
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1984									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)	56/63	12/12	17〜370	(5〜70)					
			1987									Bivalves 0/20 Fish 0/65 Birds 0/10	Bivalves 0/4 Fish 0/13 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1989									Bivalves 1/21 Fish 0/65 Birds 0/10	Bivalves 1/5 Fish 0/13 Birds 0/2	Bivalves 0.3 Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1991									Bivalves 2/30 Fish 0/65 Birds 0/10	Bivalves 1/6 Fish 0/13 Birds 0/2	Bivalves 0.1〜0.2 Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1993									Bivalves 3/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.1〜0.3 Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1995									Bivalves 2/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.1 Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (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 Fish 0/70 Birds 0/10	Bivalves 0/6 Fish 0/14 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			2006									Bivalves 5/31 Fish 45/80 Birds 1/10	Bivalves 3/7 Fish 15/16 Birds 1/2	Bivalves 0.017〜0.035 Fish 0.015〜0.99 Birds 0.035	(Bivalves 0.015) (Fish 0.015) (Birds 0.015)									

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^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			
			2008	18/45	18/45	0.11～0.66	(0.069)	33/184	22/62	0.047～0.78	(0.044)	Bivalves 2/31 Fish 34/85 Birds 0/10	Bivalves 2/7 Fish 12/17 Birds 0/2	Bivalves 0.038～0.10 Fish 0.03～0.18 Birds －	(Bivalves 0.030) (Fish 0.030) (Birds 0.030)									
736-11	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)													736-11
			1996	0/33	0/11	－	(1)	0/33	0/11	－	(1.5)					3/15	1/5	10～17	(6)					
736-12	Dimethyl phthalate	131-11-3	1985	0/27	0/9	－	(0.1)	0/27	0/9	－	(0.01)													736-12
			2007	17/21	7/7	0.0022～0.0097	(0.0017)	16/16	6/6	0.00054～0.0063	(0.00035)													
736-13	Bis(2-ethylhexyl) phthalate (synonym: DEHP)	117-81-7	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 Plankton 1/4	Fish 25/67 Plankton 1/2	Fish 0.009～19 Plankton 6.3	(Fish 0.02～1.0) (Plankton 0.05)					Precipitation 69/111	35/53	0.00005～0.013ppm	(0.00006～0.0020)	736-13
			1975	58/115	12/23	20～1,100	(100～3,000)																	
			1980									Bivalves 0/15 Fish 0/50	Bivalves 0/3 Fish 0/10	Bivalves － Fish －	(Bivalves 0.1) (Fish 0.1)									
			1981									Bivalves 0/20 Fish 0/46 Birds 0/7	Bivalves 0/4 Fish 0/9 Birds 0/1	Bivalves － Fish － Birds －	(Bivalves 0.1) (Fish 0.1～1.0) (Birds 0.1)									
			1982	29/45	10/15	0.10～0.8	(0.04～0.15)	45/45	15/15	0.009～3.5	(0.001～0.007)	Bivalves 0/20 Fish 0/50 Birds 0/9	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.1～0.2) (Fish 0.1～0.5) (Birds 0.1)									
			1983									Bivalves 0/20 Fish 0/50 Birds 0/10	Bivalves 0/4 Fish 0/10 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1984									Bivalves 0/20 Fish 1/60 Birds 0/10	Bivalves 0/4 Fish 1/12 Birds 0/2	Bivalves － Fish 0.1 Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1985									Bivalves 0/20 Fish 0/60 Birds 0/10	Bivalves 0/4 Fish 0/12 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)	59/62	12/12	38～790	(5～50)					
			1987									Bivalves 0/20 Fish 1/65 Birds 0/10	Bivalves 0/4 Fish 1/13 Birds 0/2	Bivalves － Fish 0.2 Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1989									Bivalves 1/21 Fish 0/65 Birds 0/10	Bivalves 1/5 Fish 0/13 Birds 0/2	Bivalves 1.6 Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1991									Bivalves 3/30 Fish 0/65 Birds 0/10	Bivalves 1/6 Fish 0/13 Birds 0/2	Bivalves 0.1～0.3 Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1993									Bivalves 0/30 Fish 0/70 Birds 0/5	Bivalves 0/6 Fish 0/14 Birds 0/1	Bivalves － Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1995									Bivalves 4/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.1 Fish － Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
			1996	4/33	2/11	4.3～6.8	(3.9)	16/33	6/11	0.18～22	(0.15)	Fish 9/27	Fish 4/9	Fish 0.09～0.96	(Fish 0.026)	11/18	5/6	8～323	(6)					
			1999									Bivalves 0/30 Fish 2/70 Birds 0/10	Bivalves 0/6 Fish 2/14 Birds 0/2	Bivalves － Fish 0.1 Birds －	(Bivalves 0.1) (Fish 0.1) (Birds 0.1)									
736-14	*n* -Butyl benzyl phthalate	85-68-7	1985	0/27	0/9	－	(0.1)	2/27	2/9	0.013～0.016	(0.01)													736-14
			2000	0/138	0/46	－	(0.14)	25/138	11/46	32～134	(28)													
			2010													9/33	3/11	0.57～29	(0.56)					
736-15	1,2-Benzenedicarboxylic acid didodecyl ester	2432-90-8	1985	0/27	0/9	－	(2)	0/27	0/9	－	(0.1)													736-15
737	Phthalic acid	88-99-3	1983	0/24	0/8	－	(1～20)	0/24	0/8	－	(0.02～0.1)													737
738	Phthalonitrile	91-15-6	1977	0/6	0/2	－	(1～5)	0/6	0/2	－	(0.1～1)													738
	2-Picoline	See 2-Methylpyridine																						
	alpha -Picoline	See 2-Methylpyridine																						
739	Picric acid	88-89-1	1980	0/9	0/3	－	(1)	0/9	0/3	－	(0.1～0.23)													739
740	Piperazine	110-85-0	1986	0/30	0/10	－	(30)	1/24	1/8	0.07	(0.03)													740
			2008	12/93	4/31	0.012～0.040	(0.004)																	
741	Piperidine	110-89-4	1986	0/30	0/10	－	(10)	0/24	0/8	－	(0.03)													741
742	Piperophos	24151-93-7	1993													0/54	0/18	－	(54)					742
	PMP	See *O* ,*O* -Dimethyl *S* -phthalimidylmethyl dithiophosphate																						
	Polybiphenylchloride	See Polychlorobiphenyls																						
743	Polybrominated dioxins																							743
743-1	Polybrominated dibenzo-*p* -dioxins																							743-1
743-1-4	Tetrabromodibenzo-*p* -dioxins	103456-39-9																						743-1-4
743-1-4-1	2,3,7,8-Tetrabromodibenzo-*p* -dioxin	50585-41-6	1998					0/39	0/39	－	(0.000001)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.0000001)									743-1-4-1
			1999					1/39	1/39	0.0000019	(0.0000007)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.00000005)									
			2000					1/36	1/36	0.0000030	(0.0000005)													
743-1-5	Pentabromodibenzo-*p* -dioxins	103456-36-6																						743-1-5
743-1-5-1	1,2,3,7,8-Pentabromodibenzo-*p* -dioxin	109333-34-8	1998					0/39	0/39	－	(0.000005)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.0000005)									743-1-5-1
			1999					0/39	0/39	－	(0.0000018)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.00000005)									
			2000					0/36	0/36	－	(0.000001)													
743-1-6	Hexabromodibenzo-*p* -dioxins	103456-42-4																						743-1-6
	(Other than 1,2,3,7,8,9-isomer)		1998					0/39	0/39	－	(0.00005)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.000005)									
			1999					0/39	0/39	－	(0.0000029)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.00000022)									
			2000					0/36	0/36	－	(0.000005)													
743-1-6-1	1,2,3,7,8,9-Hexabromodibenzo-*p* -dioxin	110999-46-7	1998					0/39	0/39	－	(0.00005)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.000005)									743-1-6-1
			1999					0/39	0/39	－	(0.0000006)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.0000005)									
			2000					0/36	0/36	－	(0.000005)													
743-2	Polybrominated dibenzofuranss																							743-2
743-2-4	Tetrabromodibenzofurans	106340-44-7																						743-2-4
743-2-4-1	2,3,7,8-Tetrabromodibenzofuran	67733-57-7	1998					0/39	0/39	－	(0.000001)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.0000001)									743-2-4-1
			1999					3/39	3/39	0.0000012～0.0000023	(0.0000005)	Fish 0/38	Fish 0/38	Fish －	(Fish 0.00000005)									
			2000					5/36	5/36	0.0000007～0.0000016	(0.0000005)													

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^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			
743-2-5	Pentabromodibenzofurans	68795-14-2																						743-2-5
743-2-5-1	1,2,3,7,8-Pentabromodibenzofuran	107555-93-1	1998					0/39	0/39	—	(0.000005)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.0000005)									743-2-5-1
			1999					0/39	0/39	—	(0.0000005)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.00000008)									
			2000					0/36	0/36	—	(0.000001)													
743-2-5-2	2,3,4,7,8-Pentabromodibenzofuran	131166-92-2	1998					0/39	0/39	—	(0.000005)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.0000005)									743-2-5-2
			1999					0/39	0/39	—	(0.00000030)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.00000007)									
			2000					0/36	0/36	—	(0.000001)													
743-2-6	Hexabromodibenzofurans	103456-33-3																						743-2-6
743-2-6-1	1,2,3,4,7,8-Hexabromodibenzofuran	107555-94-2	1998					0/39	0/39	—	(0.00005)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.000005)									743-2-6-1
			1999					0/39	0/39	—	(0.000006)	Fish 0/38	Fish 0/38	Fish —	(Fish 0.00000030)									
			2000					0/36	0/36	—	(0.000005)													
744	Polybromobiphenyls	Unknown	1981	0/27	0/9	—	(0.1〜1)	0/27	0/9	—	(0.005〜0.01)													744
744-1	Tetrabromobiphenyls	40088-45-7	1989	0/63	0/21	—	(0.012)	0/63	0/21	—	(0.0016)	Fish 0/63	Fish 0/21	Fish —	(Fish 0.001)	0/38	0/13	—	(1.0)					744-1
744-2	Hexabromobiphenyls	36355-01-8	1989	0/63	0/21	—	(0.05)	0/63	0/21	—	(0.008)	Fish 0/63	Fish 0/21	Fish —	(Fish 0.01)	0/38	0/13	—	(4)					744-2
			2003	0/12	0/4	—	(0.000015)	0/6	0/2	—	(0.0000087)													
			2004													0/3	0/1	—	(0.00025)					
			2009	0/49	0/49	—	(0.0000022*)	45/190	21/64	0.00000040〜0.000012	(0.00000040*)	Bivalves 1/31 Fish 46/90 Birds 10/10	Bivalves 1/7 Fish 12/18 Birds 2/2	Bivalves 0.00000053 Fish 0.00000043〜0.0000060 Birds 0.0000012〜0.0000021	(Bivalves 0.00000043) (Fish 0.00000043) (Birds 0.00000043)									
			2010	0/49	0/49	—	(0.000001)	10/64	10/64	0.0000008〜0.000018	(0.0000006)	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves 0/6 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.000010*) (Fish 0.000010*) (Birds 0.000010*)	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)					
			2011	0/49	0/49	—	(0.0000009*)	8/64	8/64	0.0000014〜0.0000063	(0.0000014*)	Bivalves 0/4 Fish 5/18 Birds 1/1	Bivalves 0/4 Fish 5/18 Birds 1/1	Bivalves — Fish 0.000001〜0.000003 Birds 0.000003	(Bivalves 0.000001*) (Fish 0.000001*) (Birds 0.000001*)	W.S. 0/35 C.S. 0/37	W.S. 0/35 C.S. 0/37	W.S. — C.S. —	(W.S. 0.0001*) (C.S. 0.0001*)					
744-2-1	2,2',4,4',5,5'-Hexabromobiphenyl (PBB#153)	59080-40-9	2009	0/49	0/49	—	(0.00000064)	70/190	32/64	0.00000012〜0.0000081	(0.00000012)	Bivalves 15/31 Fish 57/90 Birds 10/10	Bivalves 5/7 Fish 14/18 Birds 2/2	Bivalves 0.00000013〜0.00000023 Fish 0.00000013〜0.0000049 Birds 0.00000074〜0.0000021	(Bivalves 0.00000013) (Fish 0.00000013) (Birds 0.00000013)									744-2-1
			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)									
			2011	0/49	0/49	—	(0.0000001)	13/64	13/64	0.0000004〜0.0000059	(0.0000004)													
744-2-2	2,2',4,4',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)									744-2-2
			2011	0/49	0/49	—	(0.0000002)	0/64	0/64	—	(0.0000002)													
744-2-3	2,2',4,4',6,6'-Hexabromobiphenyl (PBB#155)	59261-08-4	2009	0/49	0/49	—	(0.00000019)	35/190	16/64	0.000000050〜0.0000032	(0.000000042)	Bivalves 15/31 Fish 52/90 Birds 8/10	Bivalves 4/7 Fish 13/18 Birds 2/2	Bivalves 0.00000009〜0.00000030 Fish 0.00000009〜0.0000010 Birds 0.00000009〜0.00000063	(Bivalves 0.00000009) (Fish 0.00000009) (Birds 0.00000009)									744-2-3
			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)									
			2011	0/49	0/49	—	(0.0000002)	7/64	7/64	0.0000001〜0.0000053	(0.0000001)													
744-2-4	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 0.0000007) (Fish 0.0000007) (Birds 0.0000007)									744-2-4
			2011	0/49	0/49	—	(0.0000002)	0/64	0/64	—	(0.0000004)													
744-2-5	3,3',4,4',5,5'-Hexabromobiphenyl (PBB#169)	60044-26-0	2009	0/49	0/49	—	(0.00000078)	0/190	0/64	—	(0.00000014)	Bivalves 0/31 Fish 0/90 Birds 0/10	Bivalves 0/7 Fish 0/18 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.00000009) (Fish 0.00000009) (Birds 0.00000009)									744-2-5
			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)									
			2011	0/49	0/49	—	(0.0000002)	0/64	0/64	—	(0.0000003)													
744-3	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)					744-3
745	Polybromodiphenyl ethers																							745
	(Br_1 - Br_7)		(2001)													36/36	12/12	0.00007〜0.067						
			(2004)													9/9	3/3	0.0015〜0.02	(0.00006)					
	(Br_4 - Br_{10})		(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*)					

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^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			
			(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*)					
			(2011)	47/49	47/49	0.000019～0.059	(0.000031*)	63/64	63/64	0.00006～0.77	(0.000047*)	Bivalves 3/4 Fish 15/18 Birds 1/1	Bivalves 3/4 Fish 15/18 Birds 1/1	Bivalves 0.00023～0.0011 Fish 0.00011～0.0018 Birds 0.00062	(Bivalves 0.00011*) (Fish 0.00011*) (Birds 0.00011*)	W.S. 31/35 C.S. 29/37	W.S. 31/35 C.S. 29/37	W.S. 0.0050～0.037 C.S. 0.0049～0.058	(W.S. 0.0042*) (C.S. 0.0042*)					
745-1	Monobromodiphenyl ethers		2001													7/36	3/12	0.0004～0.002	(0.0004)					745-1
			2004													9/9	3/3	0.000095～0.00027	(0.00006)					
			2005	0/6	0/2	—	(0.00025*)																	
745-2	Dibromodiphenyl ethers		2001													29/36	12/12	0.0002～0.012	(0.0002)					745-2
			2004													9/9	3/3	0.00023～0.0033	(0.00010)					
			2005	0/6	0/2	—	(0.000082*)																	
745-2-1	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)													745-2-1
745-3	Tribromodiphenyl ethers		2001													36/36	12/12	0.00007～0.0079	(0.00005)					745-3
			2004													9/9	3/3	0.00022～0.0043	(0.00007)					
			2005	0/6	0/2	—	(0.000086*)																	
745-4	Tetrabromodiphenyl ethers	40088-47-9	2001													27/36	10/12	0.0005～0.01	(0.0005)					745-4
			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 0.0000022) (Fish 0.0000022) (Birds 0.0000022)									
			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)					
			2011	48/49	48/49	0.0000007～0.00018	(0.000002)	47/64	47/64	0.000004～0.0026	(0.00001)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000026～0.00049 Fish 0.000009～0.00086 Birds 0.000067	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 35/35 C.S. 35/37	W.S. 35/35 C.S. 35/37	W.S. 0.00011～0.0093 C.S. 0.00012～0.0070	(W.S. 0.00007) (C.S. 0.00007)					
745-4-1	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 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.00007～0.017 C.S. 0.00005～0.0052	(W.S. 0.00003) (C.S. 0.00003)					745-4-1
			2010	11/49	11/49	0.0000007～0.00023	(0.000003)	55/64	55/64	0.000002～0.00040	(0.000002)	Bivalves 5/6 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. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.00009～0.046 C.S. 0.00006～0.015	(W.S. 0.00005) (C.S. 0.00005)					
			2011	48/49	48/49	0.0000005～0.00017	(0.000002)	38/64	38/64	0.000012～0.0015	(0.00001)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000023～0.00030 Fish 0.000008～0.00059 Birds 0.000067	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 34/35 C.S. 35/37	W.S. 34/35 C.S. 35/37	W.S. 0.00013～0.0088 C.S. 0.00008～0.0056	(W.S. 0.00007) (C.S. 0.00007)					
745-5	Pentabromodiphenyl ethers	32534-81-9	2001													32/36	12/12	0.0001～0.0093	(0.00009)					745-5
			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 Fish 72/85 Birds 10/10	Bivalves 7/7 Fish 16/17 Birds 2/2	Bivalves 0.000011～0.000094 Fish 0.0000059～0.00028 Birds 0.000052～0.00044	(Bivalves 0.0000059) (Fish 0.0000059) (Birds 0.0000059)									
			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 C.S. 29/37	W.S. 33/37 C.S. 29/37	W.S. 0.00006～0.018 C.S. 0.00007～0.010	(W.S. 0.00006) (C.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 Fish 16/18 Birds 2/2	Bivalves 6/6 Fish 16/18 Birds 2/2	Bivalves 0.000009～0.000098 Fish 0.000021～0.00020 Birds 0.00012～0.00020	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 35/37 C.S. 34/37	W.S. 35/37 C.S. 34/37	W.S. 0.00007～0.045 C.S. 0.00005～0.028	(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^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			
			2011	48/49	48/49	0.0000007～0.00018	(0.000001)	62/64	62/64	0.000004～0.0047	(0.000002)	Bivalves 4/4 Fish 17/18 Birds 1/1	Bivalves 4/4 Fish 17/18 Birds 1/1	Bivalves 0.000012～0.00016 Fish 0.000008～0.00030 Birds 0.00011	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 31/35 C.S. 31/37	W.S. 31/35 C.S. 31/37	W.S. 0.00008～0.0088 C.S. 0.00006～0.0026	(W.S. 0.00006) (C.S. 0.00006)					
745-5-1	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 C.S. 32/37	W.S. 34/37 C.S. 32/37	W.S. 0.00004～0.014 C.S. 0.00005～0.0051	(W.S. 0.00004) (C.S. 0.00004)					745-5-1
			2010	22/49	22/49	0.0000005～0.000091	(0.000001)	56/64	56/64	0.000002～0.00044	(0.000002)	Bivalves 6/6 Fish 15/18 Birds 2/2	Bivalves 6/6 Fish 15/18 Birds 2/2	Bivalves 0.000009～0.000066 Fish 0.000009～0.000035 Birds 0.000076～0.000090	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 33/37 C.S. 32/37	W.S. 33/37 C.S. 32/37	W.S. 0.00005～0.036 C.S. 0.00005～0.021	(W.S. 0.00005) (C.S. 0.00005)					
			2011	47/49	47/49	0.0000007～0.00012	(0.000001)	54/64	54/64	0.000002～0.0038	(0.000002)	Bivalves 3/4 Fish 9/18 Birds 1/1	Bivalves 3/4 Fish 9/18 Birds 1/1	Bivalves 0.000015～0.000095 Fish 0.000006～0.000034 Birds 0.000082	(Bivalves 0.000006) (Fish 0.000006) (Birds 0.000006)	W.S. 31/35 C.S. 27/37	W.S. 31/35 C.S. 27/37	W.S. 0.00006～0.0069 C.S. 0.00006～0.0018	(W.S. 0.00006) (C.S. 0.00006)					
745-6	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)									745-6
			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 Fish 83/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000053～0.000082 Fish 0.0000053～0.00031 Birds 0.000062～0.00038	(Bivalves 0.0000050) (Fish 0.0000050) (Birds 0.0000050)									
			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 C.S. 24/37	W.S. 19/37 C.S. 24/37	W.S. 0.00011～0.0020 C.S. 0.00010～0.027	(W.S. 0.00009) (C.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 Fish 16/18 Birds 2/2	Bivalves 4/6 Fish 16/18 Birds 2/2	Bivalves 0.000012～0.000026 Fish 0.000004～0.00040 Birds 0.000086～0.00014	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 29/37 C.S. 31/37	W.S. 29/37 C.S. 31/37	W.S. 0.00006～0.0049 C.S. 0.00007～0.0054	(W.S. 0.00006) (C.S. 0.00006)					
			2011	21/49	21/49	0.000001～0.000039	(0.000001)	52/64	52/64	0.000003～0.0020	(0.000003)	Bivalves 4/4 Fish 17/18 Birds 1/1	Bivalves 4/4 Fish 17/18 Birds 1/1	Bivalves 0.000020～0.000081 Fish 0.000012～0.00043 Birds 0.000096	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 28/35 C.S. 30/37	W.S. 28/35 C.S. 30/37	W.S. 0.00005～0.0012 C.S. 0.00006～0.0017	(W.S. 0.00005) (C.S. 0.00005)					
745-6-1	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 C.S. 15/37	W.S. 12/37 C.S. 15/37	W.S. 0.00006～0.00089 C.S. 0.00007～0.0020	(W.S. 0.00006) (C.S. 0.00006)					745-6-1
			2010	6/49	6/49	0.0000001～0.000039	(0.000002)	48/64	48/64	0.000002～0.00043	(0.000002)	Bivalves 1/6 Fish 13/18 Birds 2/2	Bivalves 1/6 Fish 13/18 Birds 2/2	Bivalves 0.000004～0.000004 Fish 0.000003～0.000041 Birds 0.000040～0.000045	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 16/37 C.S. 26/37	W.S. 16/37 C.S. 26/37	W.S. 0.00005～0.0021 C.S. 0.00004～0.0024	(W.S. 0.00004) (C.S. 0.00004)					
			2011	6/49	6/49	0.000001～0.000015	(0.000001)	54/64	54/64	0.000001～0.00095	(0.000001)	Bivalves 2/4 Fish 10/18 Birds 1/1	Bivalves 2/4 Fish 10/18 Birds 1/1	Bivalves 0.000008～0.000015 Fish 0.000005～0.000046 Birds 0.000035	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 11/35 C.S. 21/37	W.S. 11/35 C.S. 21/37	W.S. 0.00005～0.00051 C.S. 0.00005～0.00050	(W.S. 0.00005) (C.S. 0.00005)					
745-6-2	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 C.S. 21/37	W.S. 16/37 C.S. 21/37	W.S. 0.00003～0.00090 C.S. 0.00003～0.0033	(W.S. 0.00003) (C.S. 0.00003)					745-6-2
			2010	3/49	3/49	0.0000002～0.000010	(0.000002)	57/64	57/64	0.0000007～0.000072	(0.0000007)	Bivalves 3/6 Fish 16/18 Birds 2/2	Bivalves 3/6 Fish 16/18 Birds 2/2	Bivalves 0.000004～0.000010 Fish 0.000004～0.00013 Birds 0.000023～0.00006	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 10/37 C.S. 18/37	W.S. 10/37 C.S. 18/37	W.S. 0.00006～0.0020 C.S. 0.00006～0.0018	(W.S. 0.00006) (C.S. 0.00006)					
			2011	4/49	4/49	0.000001～0.000013	(0.000001)	53/64	53/64	0.000001～0.00050	(0.000001)	Bivalves 2/4 Fish 16/18 Birds 1/1	Bivalves 2/4 Fish 16/18 Birds 1/1	Bivalves 0.000008～0.000012 Fish 0.000004～0.00013 Birds 0.000024	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 16/35 C.S. 22/37	W.S. 16/35 C.S. 22/37	W.S. 0.00004～0.00048 C.S. 0.00004～0.00038	(W.S. 0.00004) (C.S. 0.00004)					
745-7	Heptabromodiphenyl ethers	68928-80-3	2001													20/36	9/12	0.00021～0.038	(0.00020)					745-7
			2004													6/9	3/3	0.00015～0.00041	(0.00014)					
			2005	0/3	0/1	—	(0.00010*)																	
			2008									Bivalves 20/31 Fish 44/85 Birds 10/10	Bivalves 7/7 Fish 10/17 Birds 2/2	Bivalves 0.0000068～0.000035 Fish 0.0000075～0.000077 Birds 0.000019～0.000053	(Bivalves 0.0000067) (Fish 0.0000067) (Birds 0.0000067)									

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^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			
			2009	9/49	9/49	0.000003～0.000040	(0.000002)	125/192	51/64	0.000004～0.016	(0.000004)					W.S. 17/37 C.S. 25/37	W.S. 17/37 C.S. 25/37	W.S. 0.0001～0.0017 C.S. 0.0001～0.020	(W.S. 0.0001) (C.S. 0.0001)					
			2010	17/49	17/49	0.000001～0.000014	(0.000001)	58/64	58/64	0.000002～0.00093	(0.000002)	Bivalves 1/6 Fish 4/18 Birds 1/2	Bivalves 1/6 Fish 4/18 Birds 1/2	Bivalves 0.00001～0.00001 Fish 0.00001～0.00004 Birds 0.00007	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. 24/37 C.S. 28/37	W.S. 24/37 C.S. 28/37	W.S. 0.0001～0.0014 C.S. 0.0001～0.011	(W.S. 0.0001) (C.S. 0.0001)					
			2011	14/49	14/49	0.000002～0.000014	(0.000002)	55/64	55/64	0.000003～0.0024	(0.000003)	Bivalves 3/4 Fish 13/18 Birds 1/1	Bivalves 3/4 Fish 13/18 Birds 1/1	Bivalves 0.000011～0.000044 Fish 0.000006～0.00013 Birds 0.000044	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 20/35 C.S. 25/37	W.S. 20/35 C.S. 25/37	W.S. 0.0001～0.0011 C.S. 0.0001～0.0023	(W.S. 0.0001) (C.S. 0.0001)					
745-7-1	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)					W.S. 13/37 C.S. 20/37	W.S. 13/37 C.S. 20/37	W.S. 0.0001～0.0007 C.S. 0.0001～0.0042	(W.S. 0.0001) (C.S. 0.0001)					745-7-1
			2010	10/49	10/49	0.000001～0.000005	(0.000001)	54/64	54/64	0.000002～0.00049	(0.000002)	Bivalves 0/6 Fish 1/18 Birds 1/2	Bivalves 0/6 Fish 1/18 Birds 1/2	Bivalves － Fish 0.00002～0.00002 Birds 0.00004	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. 15/37 C.S. 26/37	W.S. 15/37 C.S. 26/37	W.S. 0.0001～0.0004 C.S. 0.0001～0.011	(W.S. 0.0001) (C.S. 0.0001)					
			2011	10/49	10/49	0.000002～0.000008	(0.000002)	51/64	51/64	0.000003～0.00082	(0.000003)	Bivalves 1/4 Fish 1/18 Birds 1/1	Bivalves 1/4 Fish 1/18 Birds 1/1	Bivalves 0.000009 Fish 0.000018 Birds 0.000021	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 10/35 C.S. 20/37	W.S. 10/35 C.S. 20/37	W.S. 0.0001～0.0010 C.S. 0.0001～0.0009	(W.S. 0.0001) (C.S. 0.0001)					
745-8	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)									745-8
			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																	Food 0/50		－ng/g-wet	(0.2～0.5)	
			2003	0/114	0/38	－	(0.003)					Fish 23/27	Fish 8/9	Fish 0.0000010～0.000064	(Fish 0.0000007)									
			2004																	Indoor air 0/68	0/11	－ng/m^3	(0.02～0.03)	
			2008									Bivalves 15/31 Fish 35/85 Birds 10/10	Bivalves 6/7 Fish 7/17 Birds 2/2	Bivalves 0.0000038～0.000010 Fish 0.0000036～0.000073 Birds 0.000030～0.000064	(Bivalves 0.0000036) (Fish 0.0000036) (Birds 0.0000036)									
			2009	37/49	37/49	0.0000008～0.000056	(0.0000006)	182/192	63/64	0.0000005～0.11	(0.0000005)					W.S. 23/37 C.S. 26/37	W.S. 23/37 C.S. 26/37	W.S. 0.0001～0.0016 C.S. 0.0002～0.0071	(W.S. 0.0001) (C.S. 0.0001)					
			2010	40/49	40/49	0.0000003～0.000069	(0.000001)	60/64	60/64	0.000004～0.0018	(0.000004)	Bivalves 2/6 Fish 8/18 Birds 2/2	Bivalves 2/6 Fish 8/18 Birds 2/2	Bivalves 0.000004～0.000010 Fish 0.000005～0.00010 Birds 0.000026～0.000065	(Bivalves 0.000004) (Fish 0.000004) (Birds 0.000004)	W.S. 30/37 C.S. 32/37	W.S. 30/37 C.S. 32/37	W.S. 0.00015～0.0023 C.S. 0.00009～0.0069	(W.S. 0.00006) (C.S. 0.00006)					
			2011	44/49	44/49	0.0000006～0.000098	(0.000001)	55/64	55/64	0.000006～0.036	(0.000004)	Bivalves 3/4 Fish 10/18 Birds 1/1	Bivalves 3/4 Fish 10/18 Birds 1/1	Bivalves 0.000006～0.000029 Fish 0.000003～0.00015 Birds 0.000066	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 27/35 C.S. 30/37	W.S. 27/35 C.S. 30/37	W.S. 0.00012～0.0019 C.S. 0.00008～0.0070	(W.S. 0.00008) (C.S. 0.00008)					
745-9	Nonabromodiphenyl ethers	63936-56-1	2005	0/3	0/1	－	(0.00072*)																	745-9
			2008									Bivalves 5/31 Fish 2/85 Birds 9/10	Bivalves 1/7 Fish 2/17 Birds 2/2	Bivalves 0.000017～0.000023 Fish 0.000014～0.000015 Birds 0.000016～0.000033	(Bivalves 0.000013) (Fish 0.000013) (Birds 0.000013)									
			2009	32/49	32/49	0.000032～0.00050	(0.00003)	181/192	64/64	0.000004～0.23	(0.000004)					W.S. 22/37 C.S. 27/37	W.S. 22/37 C.S. 27/37	W.S. 0.0006～0.0030 C.S. 0.0006～0.0039	(W.S. 0.0006) (C.S. 0.0006)					
			2010	39/49	39/49	0.000007～0.00062	(0.000007)	60/64	60/64	0.000011～0.026	(0.000009)	Bivalves 5/6 Fish 3/18 Birds 2/2	Bivalves 5/6 Fish 3/18 Birds 2/2	Bivalves 0.00001～0.00006 Fish 0.00001～0.00004 Birds 0.00002～0.00005	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. 12/37 C.S. 22/37	W.S. 12/37 C.S. 22/37	W.S. 0.0012～0.024 C.S. 0.0012～0.0071	(W.S. 0.0012) (C.S. 0.0012)					
			2011	47/49	47/49	0.0000016～0.00092	(0.000004)	62/64	62/64	0.000009～0.070	(0.000009)	Bivalves 3/4 Fish 5/18 Birds 1/1	Bivalves 3/4 Fish 5/18 Birds 1/1	Bivalves 0.000009～0.000040 Fish 0.000009～0.000015 Birds 0.000062	(Bivalves 0.000009) (Fish 0.000009) (Birds 0.000009)	W.S. 29/35 C.S. 30/37	W.S. 29/35 C.S. 30/37	W.S. 0.0005～0.0039 C.S. 0.0004～0.014	(W.S. 0.0004) (C.S. 0.0004)					
745-10	Decabromodiphenyl ether (PBDE#209)	1163-19-5	1977	0/15	0/7	－	(0.2～2.5)	0/15	0/7	－	(0.025～0.87)													745-10
			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)									
			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									Bivalves 8/31 Fish 5/76 Birds 4/10	Bivalves 3/7 Fish 4/16 Birds 1/2	Bivalves 0.00010～0.00017 Fish 0.000084～0.00023 Birds 0.000086～0.00011	(Bivalves 0.000074) (Fish 0.000074) (Birds 0.000074)									

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^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			
			2009	26/49	26/49	0.00021～0.0034	(0.0002)	192/192	64/64	0.00003～0.88	(0.00002)					W.S. 28/37 C.S. 29/37	W.S. 28/37 C.S. 29/37	W.S. 0.005～0.031 C.S. 0.005～0.045	(W.S. 0.005) (C.S. 0.005)					
			2010	31/49	31/49	0.00012～0.013	(0.0001)	60/64	60/64	0.00011～0.70	(0.00008)	Bivalves 2/6 Fish 2/18 Birds 0/2	Bivalves 2/6 Fish 2/18 Birds 0/2	Bivalves 0.00014～0.00019 Fish 0.00011～0.00015 Birds －	(Bivalves 0.000097) (Fish 0.000097) (Birds 0.000097)	W.S. 10/37 C.S. 21/37	W.S. 10/37 C.S. 21/37	W.S. 0.0093～0.29 C.S. 0.012～0.088	(W.S. 0.0091) (C.S. 0.0091)					
			2011	45/49	45/49	0.000015～0.058	(0.00002)	62/64	62/64	0.000025～0.70	(0.00002)	Bivalves 1/4 Fish 2/18 Birds 1/1	Bivalves 1/4 Fish 2/18 Birds 1/1	Bivalves 0.00024 Fish 0.00008～0.00009 Birds 0.00017	(Bivalves 0.00008) (Fish 0.00008) (Birds 0.00008)	W.S. 31/35 C.S. 29/37	W.S. 31/35 C.S. 29/37	W.S. 0.0040～0.030 C.S. 0.0040～0.044	(W.S. 0.0040) (C.S. 0.0040)					
	Polychlorinateddibenzo-*p*-dioxins	See Dioxins (Polychlorinateddibenzo-*p*-dioxins)																						
	Polychlorinateddibenzofurans	See Dioxins (Polychlorinateddibenzofurans)																						
746	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)									746
			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									Bivalves 18/30 Fish 39/70 Birds 5/10	Bivalves 4/6 Fish 10/14 Birds 1/2	Bivalves 0.01～0.03 Fish 0.01～0.87 Birds 0.66～0.87	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
								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									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)									
								2/3	2/3	0.38～1.4	(0.010)	Fish 2/3	Fish 2/3	Fish 0.75～1.5	(Fish 0.010)									
			1995									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)									
								2/3	2/3	0.080～0.33	(0.010)	Fish 3/3	Fish 3/3	Fish 0.020～0.74	(Fish 0.010)									
			1996									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)									
								16/36	16/36	0.010～0.34	(0.010)	Fish 22/35	Fish 22/35	Fish 0.010～0.25	(Fish 0.010)									
			1997									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)									
								17/40	17/40	0.01～0.14	(0.01)	Bivalves & Fish 26/39	Bivalves & Fish 26/39	Bivalves & Fish 0.01～0.35	(Bivalves & Fish 0.01)	63/63	21/21	0.044～1.5						
			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)					

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^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			
			(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	(0.00000003～0.000002)	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 0.00000002～0.0000002)	17/17	17/17	0.091～2.3	(0.0000004～0.0003)					
			(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 0.00000002～0.0000005)	15/15	15/15	0.062～1.7	(0.0000004～0.005)					
			(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*)					
			(2011)	49/49	49/49	0.000016～0.0021	(0.0000017*)	64/64	64/64	0.000024～0.95	(0.0000045*)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00082～0.065 Fish 0.00090～0.25 Birds 0.0054	(Bivalves 0.000074*) (Fish 0.000074*) (Birds 0.000074*)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.032～0.66 C.S. 0.017～0.32	(W.S. 0.0059*) (C.S. 0.0059*)					
746-1	Monochlorobiphenyls	27323-18-8	2000	27/28	27/28	0.0000026～0.000019	(0.000002)	34/36	34/36	0.0000011～0.0023	(0.0000009)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.00000045～0.00011	(Bivalves & Fish 0.00000005)	16/17	16/17	0.00088～0.047	(0.0003)					746-1
			2001	16/29	16/29	0.0000030～0.00018	(0.000002～0.000006)	39/39	39/39	0.0000008～0.0014	(0.0000002～0.0000008)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00000076～0.000026	(Bivalves & Fish 0.00000005～0.00000006)	15/15	15/15	0.0015～0.024	(0.0003～0.0005)					
			2002	112/114	38/38	0.00000074～0.000018	(0.00000006)	186/189	63/63	0.00000091～0.0028	(0.00000007)	Bivalves 31/38 Fish 48/70 Birds 1/10	Bivalves 8/8 Fish 8/14 Birds 1/2	Bivalves 0.0000009～0.000018 Fish 0.0000007～0.000079 Birds 0.0000008	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	6/102	34/34	0.030～0.12	(0.03)					
			2003	36/36	36/36	0.00000093～0.000015	(0.0000004)	186/186	62/62	0.00000070～0.013	(0.0000004)	Bivalves 30/30 Fish 68/70 Birds 3/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00000084～0.000026 Fish 0.00000069～0.000015 Birds 0.00000074～0.00000085	(Bivalves 0.00000069) (Fish 0.00000069) (Birds 0.00000069)	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	0.0000007～0.000013	(0.0000006)	180/189	61/63	0.0000006～0.0034	(0.0000006)	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	0.0000007～0.000024	(0.0000005)	178/189	62/63	0.0000005～0.0028	(0.0000005)	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. 0.0000054) (C.S. 0.0000054)					
			2006	44/48	44/48	0.0000001～0.000015	(0.0000001)	192/192	64/64	0.0000006～0.0034	(0.0000002)	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	(0.0000003)	192/192	64/64	0.0000002～0.004	(0.0000002)	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)					

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^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			
			2008	47/48	47/48	0.0000006～0.0000096	(0.0000004)	189/192	64/64	0.0000004～0.0028	(0.0000003)	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	0.0000004～0.0000086	(0.0000004)	191/192	64/64	0.0000002～0.0036	(0.0000001)	Bivalves 30/31 Fish 73/90 Birds 0/10	Bivalves 7/7 Fish 17/18 Birds 0/2	Bivalves 0.0000007～0.000013 Fish 0.0000007～0.00010 Birds －	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	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	0.0000002～0.0000071	(0.0000002)	64/64	64/64	0.0000003～0.0015	(0.0000003)	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)					
			2011	41/49	41/49	0.0000001～0.000027	(0.0000001)	62/64	62/64	0.0000004～0.0024	(0.0000001)	Bivalves 4/4 Fish 17/18 Birds 0/1	Bivalves 4/4 Fish 17/18 Birds 0/1	Bivalves 0.0000007～0.000012 Fish 0.0000006～0.000064 Birds －	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0016～0.058 C.S. 0.0015～0.044	(W.S. 0.0012) (C.S. 0.0012)					
746-2	Dichlorobiphenyls	25512-42-9	2000	28/28	28/28	0.000011～0.00093	(0.00000004)	36/36	36/36	0.0000016～0.022	(0.00000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000041～0.0033	(Bivalves & Fish 0.00000002)	17/17	17/17	0.0092～0.16	(0.0000004)					746-2
			2001	28/29	28/29	0.00000096～0.00064	(0.00000004～0.000030)	39/39	39/39	0.0000018～0.027	(0.00000004～0.000010)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000012～0.0017	(Bivalves & Fish 0.00000002～0.0000004)	15/15	15/15	0.016～0.23	(0.0000004～0.005)					
			2002	114/114	38/38	0.0000064～0.00041	(0.00000020)	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	(0.0000002)	186/186	62/62	0.0000049～0.19	(0.0000002)	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 0.0000058～0.0000093	(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 0.0000065～0.0000079	(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	(0.00000024)	189/189	63/63	0.0000053～0.027	(0.00000034)	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 0.0000058～0.0000090	(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	0.0000003～0.00057	(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)					
			2007	44/48	44/48	0.0000024～0.00029	(0.0000002)	192/192	64/64	0.0000031～0.026	(0.00000008)	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	0.0000011～0.00018	(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	(0.000005)	59/64	59/64	0.000005～0.017	(0.000005)	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)					
			2011	49/49	49/49	0.0000033～0.00028	(0.0000003)	64/64	64/64	0.000001～0.034	(0.000001)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000012～0.00063 Fish 0.000007～0.0020 Birds 0.000007	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.015～0.083 C.S. 0.0053～0.066	(W.S. 0.0020) (C.S. 0.0020)					
746-3	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)					746-3
			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	(0.0000003)	189/189	63/63	0.000010～0.18	(0.0000003)	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)					

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^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			
			2003	36/36	36/36	0.000047～0.00057	(0.0000002)	186/186	62/62	0.0000051～1.4	(0.0000002)	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	(0.0000003)	189/189	63/63	0.0000059～0.19	(0.0000002)	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 0.0000092～0.00029	(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. 0.000014) (C.S. 0.000014)					
			2006	47/48	47/48	0.0000009～0.0014	(0.0000003)	192/192	64/64	0.0000083～0.16	(0.0000001)	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	(0.0000003)	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	0.0000017～0.0012	(0.0000005)	192/192	64/64	0.0000014～0.12	(0.0000001)	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	(0.000002)	191/192	64/64	0.0000034～0.52	(0.0000004)	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	(0.000008)	60/64	60/64	0.000011～0.084	(0.00001)	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)					
			2011	49/49	49/49	0.0000036～0.00058	(0.0000001)	64/64	64/64	0.0000054～0.25	(0.0000005)	Bivalves 4/4 Fish 18/18 Birds 0/1	Bivalves 4/4 Fish 18/18 Birds 0/1	Bivalves 0.000024～0.0050 Fish 0.000019～0.035 Birds －	(Bivalves 0.00001) (Fish 0.00001) (Birds 0.00001)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0065～0.22 C.S. 0.0044～0.087	(W.S. 0.0029) (C.S. 0.0029)					
746-4	Tetrachlorobiphenyls	26914-33-0	2000	28/28	28/28	0.000019～0.0027	(0.00000008)	36/36	36/36	0.0000089～0.26	(0.0000002)	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)					746-4
			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	(0.0000008～0.0008)					
			2002	114/114	38/38	0.000011～0.0048	(0.0000003)	189/189	63/63	0.000008～0.24	(0.0000004)	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	(0.0000002)	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	(0.0000002)	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)					
			2005	47/47	47/47	0.000033～0.0038	(0.00000014)	189/189	63/63	0.0000073～0.32	(0.00000014)	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 0.0000022) (Fish 0.0000022) (Birds 0.0000022)	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	0.0000016～0.0019	(0.0000003)	192/192	64/64	0.0000063～0.24	(0.00000008)	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	0.0000030～0.0013	(0.0000002)	192/192	64/64	0.0000014～0.24	(0.00000009)	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	0.0000057～0.0017	(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	0.0000042～0.0015	(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)					

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^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			
			2010	40/49	40/49	0.000009～0.0011	(0.000007)	59/64	59/64	0.00003～0.16	(0.00003)	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)					
			2011	49/49	49/49	0.0000035～0.0010	(0.0000001)	64/64	64/64	0.0000049～0.33	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000075～0.024 Fish 0.000080～0.081 Birds 0.000099	(Bivalves 0.000022) (Fish 0.000022) (Birds 0.000022)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0035～0.12 C.S. 0.0020～0.057	(W.S. 0.0011) (C.S. 0.0011)					
746-4-1	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)									746-4-1
			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	0.00000040～0.000017	(0.0000004)	35/36	35/36	0.0000011～0.0059	(0.0000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000017～0.00068	(Bivalves & Fish 0.0000005)	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 0.0000038～0.00045	(Bivalves & Fish 0.0000001)	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 0.0000089～0.00039 Fish 0.0000012～0.00023 Birds 0.000011～0.000018	(Bivalves 0.00000069) (Fish 0.00000069) (Birds 0.00000069)	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 0.0000053～0.00039 Fish 0.0000024～0.00050 Birds 0.000013～0.000016	(Bivalves 0.0000022) (Fish 0.0000022) (Birds 0.0000022)	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 0.0000034～0.00018 Fish 0.0000011～0.00043 Birds 0.0000089～0.000014	(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. 0.000016～0.0020 C.S. 0.000019～0.00031	(W.S. 0.0000014) (C.S. 0.0000014)					
			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 0.0000043～0.00017 Fish 0.0000009～0.00033 Birds 0.0000040～0.000013	(Bivalves 0.0000003) (Fish 0.0000003) (Birds 0.0000003)	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 0.0000040～0.00014 Fish 0.0000009～0.00064 Birds 0.0000093～0.000016	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	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 0.0000075～0.00016 Fish 0.0000011～0.00030 Birds 0.0000094～0.000016	(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. 0.000034～0.0012 C.S. 0.000013～0.00045	(W.S. 0.000007) (C.S. 0.000007)					
			2009	45/49	45/49	0.0000002～0.000015	(0.0000002)	191/192	64/64	0.0000004～0.013	(0.0000002)	Bivalves 31/31 Fish 90/90 Birds 5/10	Bivalves 7/7 Fish 18/18 Birds 1/2	Bivalves 0.0000042～0.00016 Fish 0.0000011～0.00035 Birds 0.0000057～0.0000080	(Bivalves 0.0000003) (Fish 0.0000003) (Birds 0.0000003)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000024～0.0015 C.S. 0.000013～0.00049	(W.S. 0.000007) (C.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 Fish 17/18 Birds 1/2	Bivalves 6/6 Fish 17/18 Birds 1/2	Bivalves 0.000007～0.00012 Fish 0.000002～0.00042 Birds 0.000012	(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. 0.000028～0.0014 C.S. 0.000014～0.00052	(W.S. 0.000009) (C.S. 0.000009)					
			2011	45/49	45/49	0.00000011～0.000013	(0.00000009)	63/64	63/64	0.0000003～0.0080	(0.0000002)	Bivalves 4/4 Fish 18/18 Birds 0/1	Bivalves 4/4 Fish 18/18 Birds 0/1	Bivalves 0.0000040～0.00014 Fish 0.0000010～0.00031 Birds －	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	W.S. 35/35 C.S. 36/37	W.S. 35/35 C.S. 36/37	W.S. 0.00002～0.00078 C.S. 0.00001～0.00040	(W.S. 0.00001) (C.S. 0.00001)					
746-4-2	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 0.00000070～0.000039	(Bivalves & Fish 0.00000009)	15/16	15/16	0.000020～0.00053	(0.00001)					746-4-2
			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 0.00000030～0.000034	(Bivalves & Fish 0.0000002)	13/15	13/15	0.00002～0.00091	(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^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			
			2003	7/36	7/36	0.00000021～0.0000021	(0.0000002)	143/186	52/62	0.0000003～0.0020	(0.0000003)	Bivalves 14/30 Fish 20/70 Birds 4/10	Bivalves 3/6 Fish 4/14 Birds 1/2	Bivalves 0.0000016～0.000020 Fish 0.0000023～0.0000071 Birds 0.0000016～0.0000027	(Bivalves 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	W.S. 35/35 C.S. 33/34	W.S. 35/35 C.S. 33/34	W.S. 0.0000072～0.00018 C.S. 0.0000058～0.000067	(W.S. 0.0000051) (C.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 Fish 16/70 Birds 2/10	Bivalves 4/7 Fish 4/14 Birds 1/2	Bivalves 0.0000016～0.000023 Fish 0.0000015～0.000025 Birds 0.0000014～0.0000019	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	W.S. 27/37 C.S. 21/37	W.S. 27/37 C.S. 21/37	W.S. 0.000018～0.00033 C.S. 0.000018～0.00022	(W.S. 0.000016) (C.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 Fish 29/80 Birds 5/10	Bivalves 5/7 Fish 6/16 Birds 1/2	Bivalves 0.0000013～0.0000096 Fish 0.0000015～0.000022 Birds 0.0000014～0.0000021	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0000020～0.00014 C.S. 0.0000040～0.000050	(W.S. 0.0000020) (C.S. 0.0000020)					
			2006	2/48	2/48	0.00000004～0.0000005	(0.0000004)	164/192	57/64	0.00000009～0.00019	(0.00000008)	Bivalves 21/31 Fish 35/80 Birds 5/10	Bivalves 5/7 Fish 9/16 Birds 1/2	Bivalves 0.0000007～0.0000098 Fish 0.0000007～0.000018 Birds 0.0000010～0.0000022	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 36/37 C.S. 32/37	W.S. 36/37 C.S. 32/37	W.S. 0.000004～0.00019 C.S. 0.000004～0.000091	(W.S. 0.000004) (C.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 Fish 31/80 Birds 5/10	Bivalves 5/7 Fish 8/16 Birds 1/2	Bivalves 0.0000007～0.0000081 Fish 0.0000007～0.000033 Birds 0.0000013～0.0000018	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 32/36 C.S. 25/36	W.S. 32/36 C.S. 25/36	W.S. 0.00002～0.00016 C.S. 0.00001～0.00008	(W.S. 0.00001) (C.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 Fish 39/85 Birds 5/10	Bivalves 6/7 Fish 10/17 Birds 1/2	Bivalves 0.0000006～0.0000093 Fish 0.0000006～0.000013 Birds 0.0000014～0.0000041	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 35/37 C.S. 28/37	W.S. 35/37 C.S. 28/37	W.S. 0.000006～0.00018 C.S. 0.000005～0.000044	(W.S. 0.000005) (C.S. 0.000005)					
			2009	3/49	3/49	0.00000003～0.0000005	(0.0000003)	146/192	55/64	0.0000003～0.00053	(0.0000002)	Bivalves 18/31 Fish 40/90 Birds 5/10	Bivalves 5/7 Fish 10/18 Birds 1/2	Bivalves 0.0000007～0.000011 Fish 0.0000006～0.000022 Birds 0.0000008～0.0000010	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 31/37 C.S. 24/37	W.S. 31/37 C.S. 24/37	W.S. 0.000008～0.000088 C.S. 0.000007～0.000042	(W.S. 0.000007) (C.S. 0.000007)					
			2010	7/49	7/49	0.000000019～0.00000031	(0.00000009)	59/64	59/64	0.0000001～0.00010	(0.0000001)	Bivalves 1/6 Fish 7/18 Birds 0/2	Bivalves 1/6 Fish 7/18 Birds 0/2	Bivalves 0.000011～0.000011 Fish 0.000003～0.000029 Birds －	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 30/37 C.S. 23/37	W.S. 30/37 C.S. 23/37	W.S. 0.000010～0.000076 C.S. 0.00001～0.000092	(W.S. 0.000009) (C.S. 0.000009)					
			2011	7/49	7/49	0.0000001～0.0000003	(0.0000001)	50/64	50/64	0.0000002～0.00029	(0.0000002)	Bivalves 3/4 Fish 9/18 Birds 0/1	Bivalves 3/4 Fish 9/18 Birds 0/1	Bivalves 0.0000007～0.0000087 Fish 0.0000006～0.000017 Birds －	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 27/35 C.S. 21/37	W.S. 27/35 C.S. 21/37	W.S. 0.00001～0.000050 C.S. 0.00001～0.000040	(W.S. 0.00001) (C.S. 0.00001)					
746-5	Pentachlorobiphenyls	25429-29-2	2000	28/28	28/28	0.0000086～0.00072	(0.00000003)	36/36	36/36	0.000015～0.20	(0.00000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00088～0.080	(Bivalves & Fish 0.00000002)	17/17	17/17	0.0099～0.65	(0.000002)					746-5
			2001	28/29	28/29	0.0000006～0.00044	(0.00000003～0.000005)	39/39	39/39	0.000023～0.12	(0.00000003～0.000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00087～0.19	(Bivalves & Fish 0.00000002～0.0000004)	15/15	15/15	0.0057～0.36	(0.000002～0.0002)					
			2002	114/114	38/38	0.0000064～0.0023	(0.0000002)	189/189	63/63	0.0000045～0.13	(0.0000004)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000037～0.043 Fish 0.00022～0.17 Birds 0.00079～0.0051	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	102/102	34/34	0.0012～0.20	(0.0004)					
			2003	36/36	36/36	0.000042～0.00071	(0.00000007)	186/186	62/62	0.0000085～0.97	(0.0000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00027～0.042 Fish 0.00015～0.048 Birds 0.00082～0.0093	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0028～1.1 C.S. 0.0019～0.23	(W.S. 0.00011) (C.S. 0.00011)					
			2004	38/38	38/38	0.000024～0.00095	(0.0000002)	189/189	63/63	0.0000095～0.24	(0.00000006)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00044～0.046 Fish 0.00029～0.19 Birds 0.00079～0.0031	(Bivalves 0.0000022) (Fish 0.0000022) (Birds 0.0000022)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0024～1.6 C.S. 0.0017～0.23	(W.S. 0.000089) (C.S. 0.000089)					
			2005	47/47	47/47	0.000021～0.0011	(0.00000014)	189/189	63/63	0.0000073～0.15	(0.000000054)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00023～0.027 Fish 0.00025～0.21 Birds 0.00074～0.0048	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0024～0.74 C.S. 0.0023～0.098	(W.S. 0.000024) (C.S. 0.000024)					
			2006	48/48	48/48	0.0000027～0.00075	(0.0000001)	192/192	64/64	0.0000061～0.20	(0.00000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00020～0.026 Fish 0.00033～0.11 Birds 0.00072～0.0080	(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. 0.0022～0.53 C.S. 0.0014～0.046	(W.S. 0.00006) (C.S. 0.00006)					
			2007	48/48	48/48	0.0000034～0.00062	(0.0000002)	192/192	64/64	0.0000043～0.17	(0.00000008)	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 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.0024～0.90 C.S. 0.0014～0.13	(W.S. 0.000009) (C.S. 0.000009)					
			2008	48/48	48/48	0.0000054～0.00081	(0.0000001)	192/192	64/64	0.0000055～0.12	(0.00000005)	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 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0041～0.43 C.S. 0.0013～0.11	(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^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			
			2009	49/49	49/49	0.0000026～0.00065	(0.0000003)	192/192	64/64	0.0000069～0.29	(0.0000001)	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 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0022～0.64 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)					
			2011	49/49	49/49	0.0000022～0.00044	(0.0000002)	64/64	64/64	0.0000027～0.17	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00020～0.021 Fish 0.00023～0.068 Birds 0.00077	(Bivalves 0.000020) (Fish 0.000020) (Birds 0.000020)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.0017～0.31 C.S. 0.0011～0.12	(W.S. 0.00031) (C.S. 0.00031)					
746-5-1	2,3,3',4,4'-Pentachlorobiphenyl (PCB#105)	32598-14-4	2000	28/28	28/28	0.00000020～0.000030	(0.0000003)	35/36	35/36	0.0000020～0.014	(0.0000006)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000032～0.0052	(Bivalves & Fish 0.0000009)	16/16	16/16	0.00021～0.027	(0.000003)					746-5-1
			2001	27/29	27/29	0.0000006～0.000014	(0.0000004)	39/39	39/39	0.0000011～0.0062	(0.0000004)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000038～0.0084	(Bivalves & Fish 0.0000002)	14/15	14/15	0.00013～0.0060	(0.000003)					
			2003	36/36	36/36	0.0000013～0.000026	(0.0000007)	173/186	59/62	0.0000021～0.066	(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 0.0000022) (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. 0.0000072) (C.S. 0.0000072)					
			2004	32/38	32/38	0.000002～0.000054	(0.000002)	189/189	63/63	0.0000006～0.014	(0.0000004)	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 0.0000017～0.00033	(Bivalves 0.0000014) (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	0.0000006～0.013	(0.0000003)	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 0.0000011～0.00056	(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. 0.000042～0.013 C.S. 0.000036～0.0013	(W.S. 0.0000024) (C.S. 0.0000024)					
			2006	33/48	33/48	0.0000010～0.000030	(0.0000010)	192/192	64/64	0.0000004～0.012	(0.0000003)	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	(0.0000002)	191/192	64/64	0.0000006～0.0084	(0.0000004)	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 0.0000009～0.00039	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.000076～0.016 C.S. 0.000029～0.0025	(W.S. 0.000007) (C.S. 0.000007)					
			2008	48/48	48/48	0.0000004～0.000035	(0.0000002)	192/192	64/64	0.0000006～0.0073	(0.0000001)	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	(0.0000006)	192/192	64/64	0.0000006～0.020	(0.0000001)	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 0.0000009～0.00029	(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. 0.00005～0.011 C.S. 0.00003～0.0025	(W.S. 0.00001) (C.S. 0.00001)					
			2010	48/49	48/49	0.0000002～0.000017	(0.0000002)	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)					
			2011	47/49	47/49	0.0000002～0.000020	(0.0000002)	63/64	63/64	0.0000009～0.011	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000095～0.00083 Fish 0.000013～0.0026 Birds 0.0000015	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00004～0.0058 C.S. 0.00002～0.0025	(W.S. 0.00001) (C.S. 0.00001)					
746-5-2	2,3,4,4',5-Pentachlorobiphenyl (PCB#114)	74472-37-0	2000	15/28	15/28	0.00000030～0.0000020	(0.0000002)	32/36	32/36	0.00000060～0.00097	(0.0000004)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000021～0.00041	(Bivalves & Fish 0.0000001)	16/16	16/16	0.000030～0.0017	(0.00001)					746-5-2
			2001	16/29	16/29	0.0000003～0.0000034	(0.0000003)	36/39	36/39	0.0000004～0.00050	(0.0000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0000019～0.00074	(Bivalves & Fish 0.0000002)	15/15	15/15	0.00002～0.00057	(0.00001)					
			2003	36/36	36/36	0.0000001～0.0000012	(0.0000001)	164/186	56/62	0.0000003～0.0055	(0.0000003)	Bivalves 30/30 Fish 69/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000012～0.000097 Fish 0.0000011～0.00016 Birds 0.0000011～0.000087	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0000091～0.0019 C.S. 0.0000088～0.00031	(W.S. 0.0000082) (C.S. 0.0000082)					
			2004	35/38	35/38	0.0000002～0.0000035	(0.0000002)	162/189	56/63	0.0000003～0.0012	(0.0000003)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000030～0.00018 Fish 0.0000022～0.00077 Birds 0.000012～0.000040	(Bivalves 0.00000077) (Fish 0.00000077) (Birds 0.00000077)	W.S. 33/37 C.S. 26/37	W.S. 33/37 C.S. 26/37	W.S. 0.000022～0.0028 C.S. 0.000021～0.00050	(W.S. 0.00002) (C.S. 0.00002)					
			2005	28/47	28/47	0.00000004～0.0000020	(0.0000002)	171/189	60/63	0.0000002～0.0011	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000020～0.000084 Fish 0.0000011～0.00089 Birds 0.000012～0.000059	(Bivalves 0.00000063) (Fish 0.00000063) (Birds 0.00000063)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0000040～0.00099 C.S. 0.0000050～0.00011	(W.S. 0.0000024) (C.S. 0.0000024)					
			2006	10/48	10/48	0.00000007～0.0000015	(0.0000005)	171/192	59/64	0.0000002～0.00075	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000013～0.000080 Fish 0.0000012～0.00041 Birds 0.0000088～0.00012	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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^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			
			2007	10/48	10/48	0.0000005～0.0000014	(0.0000004)	161/192	57/64	0.0000003～0.00067	(0.0000003)	Bivalves 31/31 Fish 79/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000001～0.000054 Fish 0.000001～0.00051 Birds 0.000007～0.000032	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 36/36 C.S. 35/36	W.S. 36/36 C.S. 35/36	W.S. 0.000009～0.0014 C.S. 0.000006～0.00029	(W.S. 0.000005) (C.S. 0.000005)					
			2008	25/48	25/48	0.00000007～0.0000021	(0.0000002)	185/192	64/64	0.0000001～0.00065	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000010～0.000053 Fish 0.0000009～0.00052 Birds 0.0000019～0.00018	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 37/37 C.S. 30/37	W.S. 37/37 C.S. 30/37	W.S. 0.000009～0.00071 C.S. 0.000009～0.00018	(W.S. 0.000008) (C.S. 0.000008)					
			2009	11/49	11/49	0.00000004～0.0000017	(0.0000004)	186/192	64/64	0.0000001～0.0015	(0.0000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000007～0.000061 Fish 0.0000010～0.00031 Birds 0.0000041～0.000031	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 36/37 C.S. 31/37	W.S. 36/37 C.S. 31/37	W.S. 0.000008～0.0011 C.S. 0.000008～0.00028	(W.S. 0.000008) (C.S. 0.000008)					
			2010	32/49	32/49	0.000000045～0.0000011	(0.0000001)	62/64	62/64	0.00000009～0.00043	(0.00000009)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000001～0.000038 Fish 0.000001～0.00019 Birds 0.000004～0.000020	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/37 C.S. 31/37	W.S. 35/37 C.S. 31/37	W.S. 0.000009～0.00087 C.S. 0.000011～0.00025	(W.S. 0.000009) (C.S. 0.000009)					
			2011	12/49	12/49	0.00000003～0.0000012	(0.0000002)	59/64	59/64	0.0000002～0.00077	(0.0000002)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000011～0.000050 Fish 0.0000011～0.00019 Birds 0.0000049	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 31/35 C.S. 26/37	W.S. 31/35 C.S. 26/37	W.S. 0.000012～0.00049 C.S. 0.00001～0.00021	(W.S. 0.000009) (C.S. 0.000009)					
746-5-3	2,3',4,4',5-Pentachlorobiphenyl (PCB#118)	31508-00-6	2000	28/28	28/28	0.00000070～0.00010	(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)					746-5-3
			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	(0.000002)	183/186	62/62	0.0000021～0.13	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000049～0.0053 Fish 0.000038～0.0073 Birds 0.000024～0.0037	(Bivalves 0.0000037) (Fish 0.0000037) (Birds 0.0000037)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00019～0.085 C.S. 0.00014～0.018	(W.S. 0.0000050) (C.S. 0.0000050)					
			2004	35/38	35/38	0.000004～0.00012	(0.000004)	189/189	63/63	0.0000011～0.039	(0.0000005)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000073～0.0056 Fish 0.000059～0.033 Birds 0.000017～0.0011	(Bivalves 0.00000068) (Fish 0.00000068) (Birds 0.00000068)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00016～0.12 C.S. 0.00011～0.018	(W.S. 0.000081) (C.S. 0.000081)					
			2005	47/47	47/47	0.000002～0.00012	(0.000002)	189/189	63/63	0.0000010～0.028	(0.00000064)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000050～0.0030 Fish 0.000035～0.036 Birds 0.000018～0.0018	(Bivalves 0.00000071) (Fish 0.00000071) (Birds 0.00000071)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00013～0.043 C.S. 0.00012～0.0043	(W.S. 0.0000034) (C.S. 0.0000034)					
			2006	45/48	45/48	0.0000012～0.000091	(0.0000010)	192/192	64/64	0.0000008～0.025	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000034～0.0028 Fish 0.000038～0.018 Birds 0.000022～0.0031	(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. 0.00016～0.016 C.S. 0.00007～0.0042	(W.S. 0.00002) (C.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 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000046～0.0021 Fish 0.000039～0.022 Birds 0.000017～0.0013	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 36/36 C.S. 36/36	W.S. 36/36 C.S. 36/36	W.S. 0.00018～0.063 C.S. 0.000083～0.0089	(W.S. 0.000005) (C.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 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000037～0.0023 Fish 0.000037～0.019 Birds 0.000013～0.0057	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00020～0.029 C.S. 0.000065～0.0079	(W.S. 0.000009) (C.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 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000036～0.0025 Fish 0.000045～0.012 Birds 0.000017～0.00094	(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. 0.00014～0.044 C.S. 0.000087～0.010	(W.S. 0.000009) (C.S. 0.000009)					
			2010	49/49	49/49	0.0000004～0.000055	(0.0000002)	61/64	61/64	0.000005～0.017	(0.000005)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000078～0.0019 Fish 0.00006～0.01 Birds 0.000021～0.00080	(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. 0.00018～0.035 C.S. 0.00008～0.01	(W.S. 0.00002) (C.S. 0.00002)					
			2011	49/49	49/49	0.0000004～0.000059	(0.0000002)	64/64	64/64	0.0000005～0.026	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000042～0.0024 Fish 0.000042～0.010 Birds 0.000022	(Bivalves 0.000003) (Fish 0.000003) (Birds 0.000003)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00013～0.023 C.S. 0.000060～0.0094	(W.S. 0.000028) (C.S. 0.000028)					
746-5-4	2,3',4,4',5'-Pentachlorobiphenyl (PCB#123)	65510-44-3	2000	8/28	8/28	0.00000060～0.0000018	(0.0000002)	29/36	29/36	0.0000021～0.00070	(0.0000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000029～0.00037	(Bivalves & Fish 0.00000007)	16/16	16/16	0.000020～0.0012	(0.000002)					746-5-4
			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 0.0000026～0.00058	(Bivalves & Fish 0.0000003)	14/15	14/15	0.000010～0.00050	(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 Fish 67/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000012～0.00012 Fish 0.0000010～0.00018 Birds 0.0000021～0.000051	(Bivalves 0.00000097) (Fish 0.00000097) (Birds 0.00000097)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0000053～0.00078 C.S. 0.0000058～0.00023	(W.S. 0.0000052) (C.S. 0.0000052)					

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^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			
			2004	28/38	28/38	0.0000002〜0.0000032	(0.0000002)	167/189	57/63	0.0000002〜0.00095	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 6/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000019〜0.00015 Fish 0.0000012〜0.00048 Birds 0.00000099〜0.000018	(Bivalves 0.00000081) (Fish 0.00000081) (Birds 0.00000081)	W.S. 31/37 C.S. 23/37	W.S. 31/37 C.S. 23/37	W.S. 0.000025〜0.0017 C.S. 0.000018〜0.00027	(W.S. 0.000018) (C.S. 0.000018)					
			2005	43/47	43/47	0.00000005〜0.0000021	(0.0000001)	182/189	62/63	0.0000001〜0.00084	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000011〜0.000068 Fish 0.00000067〜0.00050 Birds 0.00000067〜0.000028	(Bivalves 0.00000060) (Fish 0.00000060) (Birds 0.00000060)	W.S. 36/37 C.S. 37/37	W.S. 36/37 C.S. 37/37	W.S. 0.0000020〜0.00061 C.S. 0.0000029〜0.000071	(W.S. 0.0000010) (C.S. 0.0000010)					
			2006	20/48	20/48	0.00000009〜0.0000021	(0.0000003)	186/192	63/64	0.00000009〜0.00051	(0.00000009)	Bivalves 31/31 Fish 80/80 Birds 9/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000008〜0.000069 Fish 0.0000008〜0.00027 Birds 0.0000008〜0.000050	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 36/37 C.S. 33/37	W.S. 36/37 C.S. 33/37	W.S. 0.0000008〜0.00032 C.S. 0.0000006〜0.000073	(W.S. 0.000006) (C.S. 0.000006)					
			2007	13/48	13/48	0.0000004〜0.0000017	(0.0000004)	171/192	61/64	0.0000002〜0.00053	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000012〜0.000051 Fish 0.0000007〜0.00040 Birds 0.0000005〜0.000024	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 36/36 C.S. 33/36	W.S. 36/36 C.S. 33/36	W.S. 0.000009〜0.00081 C.S. 0.000006〜0.00013	(W.S. 0.000006) (C.S. 0.000006)					
			2008	30/48	30/48	0.00000007〜0.0000053	(0.0000002)	185/192	64/64	0.0000001〜0.00049	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 8/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000011〜0.000055 Fish 0.0000008〜0.00029 Birds 0.0000005〜0.00010	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.000009〜0.00039 C.S. 0.000006〜0.00012	(W.S. 0.000006) (C.S. 0.000006)					
			2009	12/49	12/49	0.00000006〜0.0000016	(0.0000003)	184/192	64/64	0.0000001〜0.0011	(0.0000001)	Bivalves 31/31 Fish 90/90 Birds 8/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000009〜0.000060 Fish 0.0000008〜0.00020 Birds 0.0000006〜0.000017	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 34/37 C.S. 28/37	W.S. 34/37 C.S. 28/37	W.S. 0.000008〜0.00059 C.S. 0.000009〜0.00014	(W.S. 0.000008) (C.S. 0.000008)					
			2010	36/49	36/49	0.000000047〜0.0000015	(0.0000001)	63/64	63/64	0.0000001〜0.00031	(0.0000001)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000002〜0.000046 Fish 0.000001〜0.00020 Birds 0.000001〜0.000014	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 34/37 C.S. 23/37	W.S. 34/37 C.S. 23/37	W.S. 0.00001〜0.00045 C.S. 0.00001〜0.00013	(W.S. 0.00001) (C.S. 0.00001)					
			2011	21/49	21/49	0.00000005〜0.0000013	(0.0000001)	54/64	54/64	0.0000003〜0.00060	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000010〜0.000051 Fish 0.0000009〜0.00014 Birds 0.0000007	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 30/35 C.S. 27/37	W.S. 30/35 C.S. 27/37	W.S. 0.000013〜0.00027 C.S. 0.000009〜0.00012	(W.S. 0.000009) (C.S. 0.000009)					
746-5-5	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 0.000003〜0.00012	(Fish 0.000001)									746-5-5
			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	0.00000080〜0.00013	(0.0000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00000070〜0.000059	(Bivalves & Fish 0.00000006)	16/16	16/16	0.000020〜0.00024	(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	0.000017〜0.0011	(0.000002)					
			2003	11/36	11/36	0.0000001〜0.0000005	(0.0000001)	159/186	55/62	0.0000002〜0.00048	(0.0000002)	Bivalves 29/30 Fish 57/70 Birds 5/10	Bivalves 6/6 Fish 13/14 Birds 1/2	Bivalves 0.0000013〜0.000025 Fish 0.00000097〜0.000028 Birds 0.000017〜0.000028	(Bivalves 0.00000096) (Fish 0.00000096) (Birds 0.00000096)	W.S. 34/35 C.S. 31/34	W.S. 34/35 C.S. 31/34	W.S. 0.000011〜0.00014 C.S. 0.000010〜0.00014	(W.S. 0.0000089) (C.S. 0.0000089)					
			2004	5/38	5/38	0.0000003〜0.0000011	(0.0000002)	154/189	55/63	0.0000002〜0.000095	(0.0000002)	Bivalves 30/31 Fish 65/70 Birds 5/10	Bivalves 7/7 Fish 14/14 Birds 1/2	Bivalves 0.0000010〜0.000032 Fish 0.0000010〜0.000082 Birds 0.0000098〜0.000012	(Bivalves 0.00000095) (Fish 0.00000095) (Birds 0.00000095)	W.S. 18/37 C.S. 17/37	W.S. 18/37 C.S. 17/37	W.S. 0.000030〜0.00015 C.S. 0.000032〜0.00069	(W.S. 0.000029) (C.S. 0.000029)					
			2005	14/47	14/47	0.00000003〜0.0000004	(0.0000001)	160/189	58/63	0.0000001〜0.00013	(0.0000001)	Bivalves 31/31 Fish 65/80 Birds 5/10	Bivalves 7/7 Fish 14/16 Birds 1/2	Bivalves 0.0000016〜0.000012 Fish 0.00000081〜0.000075 Birds 0.000010〜0.000015	(Bivalves 0.00000078) (Fish 0.00000078) (Birds 0.00000078)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0000020〜0.00012 C.S. 0.0000020〜0.000066	(W.S. 0.0000010) (C.S. 0.0000010)					

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^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			
			2006	11/48	11/48	0.000000050～0.0000004	(0.0000002)	159/192	56/64	0.0000002～0.000083	(0.0000002)	Bivalves 31/31 Fish 70/80 Birds 6/10	Bivalves 7/7 Fish 15/16 Birds 2/2	Bivalves 0.0000009～0.000012 Fish 0.0000009～0.000036 Birds 0.0000011～0.000020	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 34/37 C.S. 34/37	W.S. 34/37 C.S. 34/37	W.S. 0.000004～0.00011 C.S. 0.000004～0.000066	(W.S. 0.000004) (C.S. 0.000004)					
			2007	7/48	7/48	0.0000002～0.0000005	(0.0000002)	150/192	54/64	0.0000002～0.00009	(0.0000002)	Bivalves 31/31 Fish 67/80 Birds 5/10	Bivalves 7/7 Fish 14/16 Birds 1/2	Bivalves 0.0000012～0.0000085 Fish 0.0000009～0.000040 Birds 0.0000066～0.0000096	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 30/36 C.S. 28/36	W.S. 30/36 C.S. 28/36	W.S. 0.000009～0.000091 C.S. 0.000007～0.000074	(W.S. 0.000007) (C.S. 0.000007)					
			2008	4/48	4/48	0.00000003～0.0000006	(0.0000003)	182/192	62/64	0.00000005～0.000080	(0.00000005)	Bivalves 31/31 Fish 67/85 Birds 5/10	Bivalves 7/7 Fish 15/17 Birds 1/2	Bivalves 0.000001～0.000010 Fish 0.000001～0.000034 Birds 0.000009～0.000023	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/37 C.S. 30/37	W.S. 35/37 C.S. 30/37	W.S. 0.000006～0.00012 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	0.0000001～0.00018	(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 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 33/37 C.S. 29/37	W.S. 33/37 C.S. 29/37	W.S. 0.000006～0.000063 C.S. 0.000006～0.00012	(W.S. 0.000006) (C.S. 0.000006)					
			2010	7/49	7/49	0.00000004～0.00000070	(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 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 31/37 C.S. 28/37	W.S. 31/37 C.S. 28/37	W.S. 0.000009～0.000066 C.S. 0.000011～0.00018	(W.S. 0.000008) (C.S. 0.000008)					
			2011	8/49	8/49	0.00000010～0.00000059	(0.00000009)	51/64	51/64	0.0000003～0.00011	(0.0000002)	Bivalves 4/4 Fish 17/18 Birds 0/1	Bivalves 4/4 Fish 17/18 Birds 0/1	Bivalves 0.0000009～0.000010 Fish 0.0000006～0.000023 Birds —	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	W.S. 29/35 C.S. 24/37	W.S. 29/35 C.S. 24/37	W.S. 0.00001～0.00006 C.S. 0.00001～0.00007	(W.S. 0.00001) (C.S. 0.00001)					
746-6	Hexachlorobiphenyls	26601-64-9	2000	28/28	28/28	0.0000024～0.00036	(0.00000003)	36/36	36/36	0.0000086～0.14	(0.00000007)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00081～0.086	(Bivalves & Fish 0.00000002)	17/17	17/17	0.0036～0.31	(0.0000004)					746-6
			2001	29/29	29/29	0.0000008～0.00024	(0.00000004～0.000002)	39/39	39/39	0.000025～0.15	(0.00000004～0.000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0012～0.14	(Bivalves & Fish 0.00000002～0.0000004)	15/15	15/15	0.0019～0.19	(0.0000004～0.00008)					
			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	(0.00000009)	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 0.0000011) (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	(0.00000014)	189/189	63/63	0.0000036～0.17	(0.00000014)	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 0.0000016) (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. 0.0000054) (C.S. 0.0000054)					
			2006	48/48	48/48	0.0000053～0.00030	(0.0000001)	192/192	64/64	0.0000039～0.19	(0.00000009)	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	(0.00006)	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)					
			2011	49/49	49/49	0.0000018～0.00041	(0.0000002)	63/64	63/64	0.0000033～0.11	(0.0000006)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00039～0.011 Fish 0.00032～0.085 Birds 0.0030	(Bivalves 0.000015) (Fish 0.000015) (Birds 0.000015)	W.S. 35/35 C.S. 37/37	W.S. 35/35 C.S. 37/37	W.S. 0.00067～0.097 C.S. 0.00041～0.042	(W.S. 0.00019) (C.S. 0.00019)					
746-6-1	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 0.0000093～0.0016	(Bivalves & Fish 0.0000008)	16/16	16/16	0.000040～0.0035	(0.00001)					746-6-1
			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	(0.00001)					

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^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			
			2003	36/36	36/36	0.0000004〜0.0000051	(0.0000002)	159/186	54/62	0.0000021〜0.013	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000052〜0.00017 Fish 0.0000044〜0.00064 Birds 0.000017〜0.00042	(Bivalves 0.00000084) (Fish 0.00000084) (Birds 0.00000084)	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. 0.0000083) (C.S. 0.0000083)					
			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 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	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 0.0000010) (Fish 0.0000010) (Birds 0.0000010)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.0000060〜0.0016 C.S. 0.000010〜0.00056	(W.S. 0.0000014) (C.S. 0.0000014)					
			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)					
			2007	40/48	40/48	0.0000002〜0.0000055	(0.0000002)	188/192	64/64	0.0000003〜0.0029	(0.0000003)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000051〜0.000086 Fish 0.0000028〜0.0016 Birds 0.000012〜0.00014	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	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	0.0000002〜0.0000067	(0.0000002)	192/192	64/64	0.0000003〜0.0033	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000042〜0.000095 Fish 0.0000036〜0.0013 Birds 0.0000096〜0.00082	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	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	0.0000002〜0.0000096	(0.0000002)	191/192	64/64	0.0000002〜0.0044	(0.0000001)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000039〜0.00012 Fish 0.0000029〜0.00099 Birds 0.000014〜0.00012	(Bivalves 0.0000003) (Fish 0.0000003) (Birds 0.0000003)	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	0.00000009〜0.0000027	(0.00000009)	59/64	59/64	0.000001〜0.0025	(0.000001)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000006〜0.000059 Fish 0.000005〜0.00073 Birds 0.000019〜0.000086	(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)					
			2011	35/49	35/49	0.0000002〜0.0000047	(0.0000002)	62/64	62/64	0.0000005〜0.0029	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000067〜0.00011 Fish 0.0000027〜0.00098 Birds 0.000019	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 33/35 C.S. 33/37	W.S. 33/35 C.S. 33/37	W.S. 0.00001〜0.00079 C.S. 0.00001〜0.00059	(W.S. 0.00001) (C.S. 0.00001)					
746-6-2	2,3,3',4,4',5'-Hexachlorobiphenyl (PCB#157)	69782-90-7	2000	17/28	17/28	0.00000040〜0.0000030	(0.0000005)	34/36	34/36	0.0000007〜0.0013	(0.0000009)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.0000019〜0.00078	(Bivalves & Fish 0.0000003)	15/16	15/16	0.000010〜0.0011	(0.000005)					746-6-2
			2001	18/29	18/29	0.0000004〜0.0000022	(0.0000004)	37/39	37/39	0.0000005〜0.0020	(0.0000004)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0000065〜0.0011	(Bivalves & Fish 0.0000002)	14/15	14/15	0.000010〜0.00060	(0.000005)					
			2003	22/36	22/36	0.0000002〜0.0000018	(0.0000002)	164/186	56/62	0.0000004〜0.0027	(0.0000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000016〜0.000055 Fish 0.0000012〜0.00015 Birds 0.0000044〜0.00012	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 34/35 C.S. 33/34	W.S. 34/35 C.S. 33/34	W.S. 0.0000082〜0.00061 C.S. 0.0000097〜0.00013	(W.S. 0.0000077) (C.S. 0.0000077)					
			2004	17/38	17/38	0.0000003〜0.0000038	(0.0000003)	164/189	57/63	0.0000003〜0.00090	(0.0000003)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000025〜0.00011 Fish 0.0000017〜0.00055 Birds 0.0000025〜0.000035	(Bivalves 0.00000086) (Fish 0.00000086) (Birds 0.00000086)	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. 0.0000093) (C.S. 0.0000093)					
			2005	25/47	25/47	0.00000007〜0.0000014	(0.0000002)	175/189	60/63	0.0000002〜0.00051	(0.0000002)	Bivalves 31/31 Fish 78/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000027〜0.000031 Fish 0.00000088〜0.00053 Birds 0.0000032〜0.000051	(Bivalves 0.00000073) (Fish 0.00000073) (Birds 0.00000073)	W.S. 35/37 C.S. 37/37	W.S. 35/37 C.S. 37/37	W.S. 0.0000020〜0.00032 C.S. 0.0000029〜0.00015	(W.S. 0.0000020) (C.S. 0.0000020)					
			2006	12/48	12/48	0.0000004〜0.0000018	(0.0000004)	177/192	62/64	0.0000002〜0.0013	(0.0000002)	Bivalves 31/31 Fish 79/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000015〜0.000031 Fish 0.0000009〜0.00027 Birds 0.0000030〜0.00010	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	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	0.0000004〜0.0000015	(0.0000004)	177/192	62/64	0.0000002〜0.00061	(0.0000002)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000018〜0.000025 Fish 0.0000008〜0.00033 Birds 0.0000023〜0.000038	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	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)					

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^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			
			2008	22/48	22/48	0.00000007～0.0000016	(0.0000002)	185/192	62/64	0.0000001～0.00049	(0.0000001)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000014～0.000027 Fish 0.0000011～0.00029 Birds 0.0000019～0.00019	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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	0.00000006～0.0000019	(0.0000003)	175/192	61/64	0.0000002～0.00081	(0.0000002)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.0000012～0.000034 Fish 0.0000008～0.00021 Birds 0.0000027～0.000029	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	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	0.000000078～0.00000090	(0.0000001)	62/64	62/64	0.0000002～0.00042	(0.0000002)	Bivalves 6/6 Fish 17/18 Birds 2/2	Bivalves 6/6 Fish 17/18 Birds 2/2	Bivalves 0.000003～0.000027 Fish 0.000002～0.00034 Birds 0.000003～0.000023	(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)					
			2011	14/49	14/49	0.00000006～0.0000012	(0.0000002)	55/64	55/64	0.0000004～0.00066	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000021～0.000031 Fish 0.0000009～0.00019 Birds 0.0000040	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 29/35 C.S. 23/37	W.S. 29/35 C.S. 23/37	W.S. 0.000008～0.00016 C.S. 0.000007～0.00015	(W.S. 0.000007) (C.S. 0.000007)					
746-6-3	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB#167)	52663-72-6	2000	21/28	21/28	0.00000030～0.0000036	(0.0000002)	35/36	35/36	0.0000010～0.0016	(0.0000003)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.000015～0.0011	(Bivalves & Fish 0.00000006)	15/15	15/15	0.000020～0.0018	(0.00001)					746-6-3
			2001	22/29	22/29	0.0000003～0.0000027	(0.0000002)	39/39	39/39	0.0000003～0.0014	(0.0000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000011～0.0017	(Bivalves & Fish 0.0000001)	15/15	15/15	0.00001～0.00060	(0.00001)					
			2003	36/36	36/36	0.00000020～0.0000028	(0.00000009)	176/186	60/62	0.00000020～0.0047	(0.0000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000046～0.00014 Fish 0.0000023～0.00038 Birds 0.0000025～0.00024	(Bivalves 0.00000071) (Fish 0.00000071) (Birds 0.00000071)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.0000087～0.0014 C.S. 0.0000083～0.00029	(W.S. 0.000007) (C.S. 0.000007)					
			2004	29/38	29/38	0.0000002～0.0000060	(0.0000002)	173/189	60/63	0.0000002～0.0021	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000054～0.00024 Fish 0.0000034～0.0013 Birds 0.0000014～0.000068	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	W.S. 28/37 C.S. 20/37	W.S. 28/37 C.S. 20/37	W.S. 0.0000024～0.0018 C.S. 0.0000027～0.00036	(W.S. 0.000023) (C.S. 0.000023)					
			2005	45/47	45/47	0.0000001～0.0000025	(0.0000001)	185/189	62/63	0.0000001～0.0011	(0.0000001)	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 0.0000014) (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. 0.0000010) (C.S. 0.0000010)					
			2006	27/48	27/48	0.000000023～0.0000036	(0.0000003)	182/192	63/64	0.0000002～0.0022	(0.0000002)	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 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	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 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	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)					
			2011	23/49	23/49	0.00000012～0.0000022	(0.0000002)	58/64	58/64	0.0000004～0.0010	(0.0000004)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.0000041～0.000079 Fish 0.0000022～0.00052 Birds 0.0000021	(Bivalves 0.0000009) (Fish 0.0000009) (Birds 0.0000009)	W.S. 29/35 C.S. 24/37	W.S. 29/35 C.S. 24/37	W.S. 0.00002～0.00038 C.S. 0.00001～0.00021	(W.S. 0.00001) (C.S. 0.00001)					
746-6-4	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)									746-6-4
			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)									

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^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			
			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 0.00000008)	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 0.0000016～0.0000030 Fish 0.0000014～0.0000040 Birds 0.0000036～0.0000069	(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 0.0000012～0.0000057 Fish 0.00000095～0.000015 Birds 0.0000019～0.0000052	(Bivalves 0.00000093) (Fish 0.00000093) (Birds 0.00000093)	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 0.00000098～0.0000012 Fish 0.00000084～0.0000072 Birds 0.0000018～0.0000035	(Bivalves 0.00000084) (Fish 0.00000084) (Birds 0.00000084)	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)					
			2007	0/48	0/48	—	(0.0000004)	121/192	45/64	0.0000003～0.000099	(0.0000003)	Bivalves 8/31 Fish 26/80 Birds 10/10	Bivalves 3/7 Fish 6/16 Birds 2/2	Bivalves 0.0000007～0.0000010 Fish 0.0000007～0.0000027 Birds 0.0000016～0.0000025	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 6/36 C.S. 10/36	W.S. 6/36 C.S. 10/36	W.S. 0.000006～0.000022 C.S. 0.000006～0.000021	(W.S. 0.000006) (C.S. 0.000006)					
			2008	0/48	0/48	—	(0.0000002)	135/192	52/64	0.0000001～0.000067	(0.0000001)	Bivalves 5/31 Fish 37/85 Birds 10/10	Bivalves 3/7 Fish 10/17 Birds 2/2	Bivalves 0.0000006～0.0000008 Fish 0.0000006～0.0000033 Birds 0.0000013～0.0000042	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 4/37 C.S. 6/37	W.S. 4/37 C.S. 6/37	W.S. 0.000008～0.000014 C.S. 0.000009～0.000016	(W.S. 0.000008) (C.S. 0.000008)					
			2009	0/49	0/49	—	(0.0000002)	138/192	55/64	0.0000001～0.000042	(0.0000001)	Bivalves 7/31 Fish 30/90 Birds 10/10	Bivalves 3/7 Fish 9/18 Birds 2/2	Bivalves 0.0000007～0.0000011 Fish 0.0000007～0.0000025 Birds 0.0000009～0.0000023	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 2/37 C.S. 9/37	W.S. 2/37 C.S. 9/37	W.S. 0.000008～0.000010 C.S. 0.000008～0.000020	(W.S. 0.000008) (C.S. 0.000008)					
			2010	1/49	1/49	0.000000006	(0.00000008)	55/64	55/64	0.0000001～0.0000094	(0.0000001)	Bivalves 0/6 Fish 2/18 Birds 2/2	Bivalves 0/6 Fish 2/18 Birds 2/2	Bivalves — Fish 0.000003～0.000007 Birds 0.000003～0.000004	(Bivalves 0.000002) (Fish 0.000002) (Birds 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)					
			2011	2/49	2/49	0.00000009～0.00000015	(0.00000009)	37/64	37/64	0.0000004～0.000045	(0.0000003)	Bivalves 2/4 Fish 7/18 Birds 1/1	Bivalves 2/4 Fish 7/18 Birds 1/1	Bivalves 0.0000009 Fish 0.0000008～0.0000036 Birds 0.0000023	(Bivalves 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	W.S. 1/35 C.S. 3/37	W.S. 1/35 C.S. 3/37	W.S. 0.000012 C.S. 0.000010～0.000012	(W.S. 0.000009) (C.S. 0.000009)					
746-7	Heptachlorobiphenyls	28655-71-2	2000	28/28	28/28	0.00000010～0.000058	(0.00000006)	35/36	35/36	0.00000080～0.10	(0.0000002)	Bivalves & Fish 35/35	Bivalves & Fish 35/35	Bivalves & Fish 0.00014～0.051	(Bivalves & Fish 0.00000003)	17/17	17/17	0.00059～0.043	(0.0000006)					746-7
			2001	29/29	29/29	0.00000011～0.000043	(0.00000006～0.0000009)	38/39	38/39	0.0000029～0.16	(0.00000006～0.000002)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.00032～0.041	(Bivalves & Fish 0.00000003～0.0000005)	15/15	15/15	0.00030～0.043	(0.0000006～0.00002)					
			2002	114/114	38/38	0.00000021～0.0011	(0.0000002)	189/189	63/63	0.0000006～0.14	(0.0000005)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000032～0.0035 Fish 0.00015～0.036 Birds 0.00088～0.0042	(Bivalves 0.000001) (Fish 0.000001) (Birds 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	(0.0000003)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.00011～0.0045 Fish 0.00011～0.014 Birds 0.0012～0.0086	(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. 0.00036～0.026 C.S. 0.00021～0.024	(W.S. 0.00001) (C.S. 0.00001)					
			2004	38/38	38/38	0.0000016～0.00045	(0.0000002)	189/189	63/63	0.0000005～0.20	(0.0000002)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.00013～0.0078 Fish 0.000093～0.037 Birds 0.0013～0.0023	(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. 0.00016～0.038 C.S. 0.000079～0.014	(W.S. 0.000039) (C.S. 0.000039)					
			2005	47/47	47/47	0.0000025～0.00021	(0.000000094)	189/189	63/63	0.0000005～0.12	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00012～0.0028 Fish 0.000067～0.039 Birds 0.0012～0.0030	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00017～0.028 C.S. 0.00014～0.0085	(W.S. 0.000024) (C.S. 0.000024)					

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^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			
			2006	48/48	48/48	0.0000010～0.00031	(0.0000003)	192/192	64/64	0.0000012～0.12	(0.00000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000077～0.0026 Fish 0.000070～0.018 Birds 0.0012～0.012	(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. 0.00018～0.040 C.S. 0.00009～0.012	(W.S. 0.00002) (C.S. 0.00002)					
			2007	47/48	47/48	0.0000009～0.00019	(0.0000004)	192/192	64/64	0.00000060～0.13	(0.00000009)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.00010～0.0022 Fish 0.000091～0.031 Birds 0.00083～0.0025	(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. 0.00019～0.060 C.S. 0.00018～0.011	(W.S. 0.00001) (C.S. 0.00001)					
			2008	48/48	48/48	0.0000009～0.00024	(0.0000002)	188/192	64/64	0.00000020～0.13	(0.00000008)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000086～0.0022 Fish 0.00013～0.021 Birds 0.00071～0.010	(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. 0.00023～0.041 C.S. 0.00016～0.011	(W.S. 0.00001) (C.S. 0.00001)					
			2009	48/49	48/49	0.0000012～0.00083	(0.0000001)	189/192	64/64	0.0000007～0.065	(0.0000003)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000096～0.0050 Fish 0.000070～0.025 Birds 0.00089～0.0017	(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. 0.00019～0.042 C.S. 0.00016～0.0048	(W.S. 0.00001) (C.S. 0.00001)					
			2010	49/49	49/49	0.0000013～0.00013	(0.0000006)	49/64	49/64	0.000069～0.12	(0.00006)	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.00019～0.0019 Fish 0.00013～0.018 Birds 0.0013～0.0015	(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. 0.00022～0.044 C.S. 0.00014～0.013	(W.S. 0.00007) (C.S. 0.00007)					
			2011	49/49	49/49	0.0000003～0.00024	(0.0000002)	62/64	62/64	0.0000014～0.064	(0.0000006)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.00011～0.0030 Fish 0.000088～0.051 Birds 0.0011	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 36/37	W.S. 35/35 C.S. 36/37	W.S. 0.00016～0.045 C.S. 0.00015～0.012	(W.S. 0.00011) (C.S. 0.00011)					
746-7-1	2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB#170)	35065-30-6	2000	27/27	27/27	0.00000010～0.0000081	(0.0000003)	33/35	33/35	0.0000030～0.010	(0.0000006)	Bivalves & Fish 34/34	Bivalves & Fish 34/34	Bivalves & Fish 0.0000085～0.0039	(Bivalves & Fish 0.0000002)	15/15	15/15	0.000040～0.0025	(0.000003)					746-7-1
			2001	29/29	29/29	0.00000011～0.0000064	(0.00000007)	37/39	37/39	0.0000020～0.017	(0.0000020)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.000011～0.0032	(Bivalves & Fish 0.00000004)	15/15	15/15	0.000020～0.0016	(0.000004)					
			2003	36/36	36/36	0.0000009～0.000012	(0.0000003)	163/186	55/62	0.0000022～0.022	(0.000002)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000030～0.00015 Fish 0.000013～0.0015 Birds 0.00020～0.0011	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.000029～0.0020 C.S. 0.000014～0.0017	(W.S. 0.0000098) (C.S. 0.0000098)					
			2004	31/38	31/38	0.0000005～0.000036	(0.0000005)	178/189	62/63	0.0000004～0.018	(0.0000004)	Bivalves 30/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000026～0.00029 Fish 0.0000067～0.0034 Birds 0.00017～0.00026	(Bivalves 0.0000026) (Fish 0.0000026) (Birds 0.0000026)	W.S. 33/37 C.S. 30/37	W.S. 33/37 C.S. 30/37	W.S. 0.000031～0.0021 C.S. 0.000029～0.00083	(W.S. 0.000029) (C.S. 0.000029)					
			2005	43/47	43/47	0.0000004～0.000018	(0.0000004)	183/189	63/63	0.0000004～0.011	(0.0000004)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000035～0.000063 Fish 0.0000044～0.0033 Birds 0.00014～0.00034	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000012～0.0020 C.S. 0.0000090～0.00051	(W.S. 0.0000014) (C.S. 0.0000014)					
			2006	29/48	29/48	0.0000007～0.000011	(0.0000007)	192/192	64/64	0.0000002～0.012	(0.0000001)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000002～0.000076 Fish 0.000004～0.0017 Birds 0.00013～0.0012	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/37 C.S. 32/37	W.S. 36/37 C.S. 32/37	W.S. 0.00002～0.0018 C.S. 0.00002～0.00067	(W.S. 0.00002) (C.S. 0.00002)					
			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 0.0000019～0.000052 Fish 0.0000061～0.0026 Birds 0.00010～0.00027	(Bivalves 0.0000007) (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)					
			2011	48/49	48/49	0.0000001～0.000023	(0.0000001)	62/64	62/64	0.0000005～0.0071	(0.0000005)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000004～0.000070 Fish 0.000006～0.0037 Birds 0.00014	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 35/35 C.S. 34/37	W.S. 35/35 C.S. 34/37	W.S. 0.000011～0.0022 C.S. 0.000011～0.00068	(W.S. 0.000009) (C.S. 0.000009)					
746-7-2	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 0.0000002)	15/15	15/15	0.000090～0.0083	(0.000004)					746-7-2
			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 0.0000005)	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 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	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. 0.0000016) (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 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	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)					

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^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			
			2005	47/47	47/47	0.00000078～0.000057	(0.00000009)	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 0.00000094) (Fish 0.00000094) (Birds 0.00000094)	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. 0.0000014) (C.S. 0.0000014)					
			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	(0.00000009)	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 0.0000007) (Fish 0.0000007) (Birds 0.0000007)	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	(0.00002)	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)					
			2011	49/49	49/49	0.0000002～0.000067	(0.0000002)	62/64	62/64	0.0000009～0.016	(0.0000006)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000012～0.00036 Fish 0.000018～0.013 Birds 0.00037	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 33/35 C.S. 32/37	W.S. 33/35 C.S. 32/37	W.S. 0.00004～0.0081 C.S. 0.00004～0.0022	(W.S. 0.00004) (C.S. 0.00004)					
746-7-3	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 0.00000059～0.00017	(Bivalves & Fish 0.0000003)	14/16	14/16	0.000014～0.000056	(0.000006)					746-7-3
			2001	3/29	3/29	0.0000004～0.0000006	(0.0000003)	33/39	33/39	0.0000004～0.00050	(0.0000003)	Bivalves & Fish 36/36	Bivalves & Fish 36/36	Bivalves & Fish 0.0000012～0.00019	(Bivalves & Fish 0.0000003)	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 0.0000015～0.000014 Fish 0.0000017～0.000064 Birds 0.000018～0.000062	(Bivalves 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	W.S. 34/35 C.S. 32/34	W.S. 34/35 C.S. 32/34	W.S. 0.0000096～0.000059 C.S. 0.0000095～0.000052	(W.S. 0.0000083) (C.S. 0.0000083)					
			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 0.0000026) (Fish 0.0000026) (Birds 0.0000026)	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	0.00000003～0.0000005	(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 0.0000017) (Fish 0.0000017) (Birds 0.0000017)	W.S. 35/37 C.S. 37/37	W.S. 35/37 C.S. 37/37	W.S. 0.0000010～0.000089 C.S. 0.0000010～0.000042	(W.S. 0.0000010) (C.S. 0.0000010)					
			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 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	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)					
			2007	3/48	3/48	0.0000004～0.0000007	(0.0000004)	147/192	54/64	0.0000003～0.00036	(0.0000003)	Bivalves 21/31 Fish 66/80 Birds 10/10	Bivalves 5/7 Fish 14/16 Birds 2/2	Bivalves 0.000003～0.000006 Fish 0.000001～0.000092 Birds 0.000010～0.000015	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 19/36 C.S. 19/36	W.S. 19/36 C.S. 19/36	W.S. 0.000008～0.000058 C.S. 0.000009～0.000050	(W.S. 0.000008) (C.S. 0.000008)					
			2008	10/48	10/48	0.00000003～0.0000004	(0.0000002)	155/192	58/64	0.0000002～0.00053	(0.0000002)	Bivalves 25/31 Fish 76/85 Birds 10/10	Bivalves 6/7 Fish 16/17 Birds 2/2	Bivalves 0.0000009～0.0000076 Fish 0.0000008～0.000082 Birds 0.0000075～0.000056	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 23/37 C.S. 21/37	W.S. 23/37 C.S. 21/37	W.S. 0.000006～0.000043 C.S. 0.000006～0.000029	(W.S. 0.000006) (C.S. 0.000006)					
			2009	2/49	2/49	0.0000006～0.0000016	(0.0000006)	153/192	55/64	0.0000003～0.00032	(0.0000003)	Bivalves 30/31 Fish 81/90 Birds 10/10	Bivalves 7/7 Fish 17/18 Birds 2/2	Bivalves 0.0000005～0.000015 Fish 0.0000006～0.000074 Birds 0.0000072～0.000011	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 19/37 C.S. 16/37	W.S. 19/37 C.S. 16/37	W.S. 0.000007～0.000036 C.S. 0.000007～0.000026	(W.S. 0.000007) (C.S. 0.000007)					
			2010	20/49	20/49	0.00000003～0.00000030	(0.0000001)	60/64	60/64	0.00000007～0.00033	(0.00000007)	Bivalves 4/6 Fish 13/18 Birds 2/2	Bivalves 4/6 Fish 13/18 Birds 2/2	Bivalves 0.000003～0.000006 Fish 0.000003～0.000065 Birds 0.000011～0.000015	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 11/37 C.S. 19/37	W.S. 11/37 C.S. 19/37	W.S. 0.000008～0.000035 C.S. 0.000009～0.000051	(W.S. 0.000008) (C.S. 0.000008)					
			2011	11/49	11/49	0.0000001～0.0000007	(0.0000001)	51/64	51/64	0.0000003～0.00026	(0.0000003)	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 4/4 Fish 16/18 Birds 1/1	Bivalves 0.0000010～0.0000078 Fish 0.0000009～0.00013 Birds 0.000012	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	W.S. 14/35 C.S. 18/37	W.S. 14/35 C.S. 18/37	W.S. 0.000007～0.000043 C.S. 0.000007～0.000030	(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^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			
746-8	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 0.00000008)	17/17	17/17	0.000080～0.0036	(0.000002)					746-8
			2001	19/29	19/29	0.0000004～0.0000098	(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 0.00000008～0.0000004)	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 Fish 70/70 Birds 10/10	Bivalves 7/8 Fish 14/14 Birds 2/2	Bivalves 0.0000046～0.00016 Fish 0.000011～0.0063 Birds 0.00021～0.00063	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	82/102	34/34	0.000014～0.0049	(0.00001)					
			2003	36/36	36/36	0.0000014～0.000025	(0.00000007)	174/186	59/62	0.0000006～0.042	(0.0000003)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.0000058～0.00028 Fish 0.000021～0.0024 Birds 0.00031～0.0015	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)	W.S. 35/35 C.S. 33/34	W.S. 35/35 C.S. 33/34	W.S. 0.000043～0.0033 C.S. 0.000028～0.0034	(W.S. 0.000019) (C.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 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.0000049～0.00038 Fish 0.000017～0.0050 Birds 0.00029～0.00040	(Bivalves 0.0000021) (Fish 0.0000021) (Birds 0.0000021)	W.S. 35/37 C.S. 33/37	W.S. 35/37 C.S. 33/37	W.S. 0.000022～0.0028 C.S. 0.000021～0.0023	(W.S. 0.000014) (C.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 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.0000085～0.00014 Fish 0.0000072～0.0062 Birds 0.00027～0.00043	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.000020～0.0038 C.S. 0.000015～0.0011	(W.S. 0.000010) (C.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 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000004～0.00014 Fish 0.000008～0.0027 Birds 0.00025～0.0022	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 37/37 C.S. 36/37	W.S. 37/37 C.S. 36/37	W.S. 0.00002～0.0049 C.S. 0.00002～0.00063	(W.S. 0.00001) (C.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 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000004～0.00011 Fish 0.000009～0.0040 Birds 0.00018～0.00043	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 34/36 C.S. 33/36	W.S. 34/36 C.S. 33/36	W.S. 0.00003～0.0072 C.S. 0.00003～0.0014	(W.S. 0.00003) (C.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 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000003～0.00012 Fish 0.000013～0.0027 Birds 0.00016～0.0015	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 35/37 C.S. 33/37	W.S. 35/37 C.S. 33/37	W.S. 0.00005～0.0048 C.S. 0.00003～0.0014	(W.S. 0.00003) (C.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 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000005～0.00031 Fish 0.000007～0.0040 Birds 0.00015～0.00029	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 35/37 C.S. 35/37	W.S. 35/37 C.S. 35/37	W.S. 0.00004～0.0048 C.S. 0.00002～0.00068	(W.S. 0.00002) (C.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 Fish 18/18 Birds 2/2	Bivalves 6/6 Fish 18/18 Birds 2/2	Bivalves 0.000009～0.00011 Fish 0.000012～0.0024 Birds 0.00023～0.00030	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 36/37 C.S. 36/37	W.S. 36/37 C.S. 36/37	W.S. 0.00003～0.0055 C.S. 0.00002～0.0016	(W.S. 0.00002) (C.S. 0.00002)					
			2011	35/49	35/49	0.0000002～0.000060	(0.0000002)	57/64	57/64	0.0000014～0.019	(0.0000003)	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 4/4 Fish 18/18 Birds 1/1	Bivalves 0.000008～0.00020 Fish 0.000010～0.0082 Birds 0.00027	(Bivalves 0.000002) (Fish 0.000002) (Birds 0.000002)	W.S. 33/35 C.S. 33/37	W.S. 33/35 C.S. 33/37	W.S. 0.00004～0.0056 C.S. 0.00004～0.0016	(W.S. 0.00003) (C.S. 0.00003)					
746-9	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 0.0000052～0.00040	(Bivalves & Fish 0.00000008)	17/17	17/17	0.000018～0.00042	(0.000002)					746-9
			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 0.0000044～0.00038	(Bivalves & Fish 0.00000008～0.0000003)	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 Fish 70/70 Birds 10/10	Bivalves 1/8 Fish 14/14 Birds 2/2	Bivalves 0.0000010～0.0000027 Fish 0.0000033～0.00035 Birds 0.000044～0.000085	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 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 Fish 70/70 Birds 10/10	Bivalves 2/6 Fish 14/14 Birds 2/2	Bivalves 0.0000015～0.0000031 Fish 0.0000021～0.00024 Birds 0.00010～0.00019	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)	W.S. 35/35 C.S. 33/34	W.S. 35/35 C.S. 33/34	W.S. 0.000014～0.00021 C.S. 0.000017～0.00023	(W.S. 0.000013) (C.S. 0.000013)					
			2004	32/38	32/38	0.0000008～0.000007	(0.0000008)	158/189	56/63	0.0000003～0.0029	(0.0000003)	Bivalves 1/31 Fish 70/70 Birds 10/10	Bivalves 1/7 Fish 14/14 Birds 2/2	Bivalves 0.0000072 Fish 0.0000029～0.00045 Birds 0.000044～0.00014	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	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	0.0000006～0.0000019	(0.0000006)	164/189	58/63	0.0000002～0.0019	(0.0000002)	Bivalves 1/31 Fish 73/80 Birds 10/10	Bivalves 1/7 Fish 15/16 Birds 2/2	Bivalves 0.0000026 Fish 0.0000024～0.00048 Birds 0.000038～0.00012	(Bivalves 0.0000021) (Fish 0.0000021) (Birds 0.0000021)	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	0.00000019～0.0000032	(0.0000005)	173/192	61/64	0.0000002～0.0025	(0.0000002)	Bivalves 13/31 Fish 80/80 Birds 10/10	Bivalves 4/7 Fish 16/16 Birds 2/2	Bivalves 0.000001～0.000002 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)					

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^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			
			2007	16/48	16/48	0.0000003〜0.0000030	(0.0000003)	156/192	55/64	0.0000003〜0.0023	(0.0000003)	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	0.00000007〜0.0000045	(0.0000004)	187/192	64/64	0.0000001〜0.0043	(0.00000009)	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	0.00000004〜0.0000069	(0.0000002)	152/192	55/64	0.0000005〜0.0017	(0.0000004)	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	0.0000001〜0.0000017	(0.0000002)	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)					
			2011	24/49	24/49	0.00000005〜0.0000030	(0.0000001)	53/64	53/64	0.0000003〜0.0014	(0.0000003)	Bivalves 2/4 Fish 18/18 Birds 1/1	Bivalves 2/4 Fish 18/18 Birds 1/1	Bivalves 0.000001〜0.000004 Fish 0.000001〜0.00037 Birds 0.000076	(Bivalves 0.000001) (Fish 0.000001) (Birds 0.000001)	W.S. 30/35 C.S. 35/37	W.S. 30/35 C.S. 35/37	W.S. 0.00001〜0.00022 C.S. 0.00001〜0.00013	(W.S. 0.00001) (C.S. 0.00001)					
746-10	Decachlorobiphenyl	2051-24-3	2000	8/28	8/28	0.00000030〜0.0000037	(0.0000003)	33/36	33/36	0.0000012〜0.00076	(0.0000005)	Bivalves & Fish 34/35	Bivalves & Fish 34/35	Bivalves & Fish 0.00000050〜0.00015	(Bivalves & Fish 0.0000002)	17/17	17/17	0.000010〜0.00054	(0.00001)					746-10
			2001	14/29	14/29	0.0000004〜0.0000040	(0.0000004)	35/39	35/39	0.0000007〜0.00046	(0.0000007)	Bivalves & Fish 35/36	Bivalves & Fish 35/36	Bivalves & Fish 0.0000040〜0.00028	(Bivalves & Fish 0.0000002)	15/15	15/15	0.00001〜0.0020	(0.00001)					
			2002	98/114	35/38	0.000000050〜0.000056	(0.00000030)	174/189	61/63	0.0000003〜0.0053	(0.0000003)	Bivalves 10/38 Fish 70/70 Birds 10/10	Bivalves 2/8 Fish 14/14 Birds 2/2	Bivalves 0.0000056〜0.000025 Fish 0.000002〜0.000092 Birds 0.000032〜0.000050	(Bivalves 0.0000004) (Fish 0.0000004) (Birds 0.0000004)	85/102	34/34	0.0000051〜0.014	(0.000005)					
			2003	10/36	10/36	0.0000009〜0.0000021	(0.0000009)	158/186	55/62	0.0000006〜0.0077	(0.0000006)	Bivalves 10/30 Fish 64/70 Birds 10/10	Bivalves 2/6 Fish 13/14 Birds 2/2	Bivalves 0.0000031〜0.000032 Fish 0.0000017〜0.00010 Birds 0.000050〜0.000091	(Bivalves 0.0000015) (Fish 0.0000015) (Birds 0.0000015)	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. 0.0000057) (C.S. 0.0000057)					
			2004	34/38	34/38	0.000002〜0.000084	(0.000002)	157/189	53/63	0.0000004〜0.0056	(0.0000004)	Bivalves 2/31 Fish 64/70 Birds 10/10	Bivalves 2/7 Fish 14/14 Birds 2/2	Bivalves 0.0000025〜0.000016 Fish 0.0000019〜0.00018 Birds 0.000025〜0.000077	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)	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. 0.0000081) (C.S. 0.0000081)					
			2005	14/47	14/47	0.000001〜0.000056	(0.000001)	160/189	57/63	0.0000003〜0.0084	(0.0000003)	Bivalves 11/31 Fish 75/80 Birds 10/10	Bivalves 3/7 Fish 15/16 Birds 2/2	Bivalves 0.00000080〜0.000048 Fish 0.00000097〜0.00015 Birds 0.000025〜0.000074	(Bivalves 0.00000075) (Fish 0.00000075) (Birds 0.00000075)	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	0.00000010〜0.000037	(0.0000007)	176/192	61/64	0.0000002〜0.0059	(0.0000002)	Bivalves 7/31 Fish 80/80 Birds 10/10	Bivalves 3/7 Fish 16/16 Birds 2/2	Bivalves 0.0000006〜0.000067 Fish 0.0000006〜0.000096 Birds 0.000025〜0.00010	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	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	0.00000006〜0.000090	(0.0000003)	173/192	61/64	0.0000003〜0.011	(0.0000003)	Bivalves 6/31 Fish 72/80 Birds 10/10	Bivalves 2/7 Fish 15/16 Birds 2/2	Bivalves 0.0000022〜0.000043 Fish 0.0000008〜0.000055 Birds 0.000026〜0.000047	(Bivalves 0.0000008) (Fish 0.0000008) (Birds 0.0000008)	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	0.00000007〜0.00017	(0.0000002)	185/192	63/64	0.0000001〜0.0047	(0.0000001)	Bivalves 6/31 Fish 85/85 Birds 10/10	Bivalves 2/7 Fish 17/17 Birds 2/2	Bivalves 0.0000038〜0.000013 Fish 0.0000006〜0.000063 Birds 0.000025〜0.000056	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	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)					
			2009	28/49	28/49	0.00000003〜0.000036	(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 0.0000011〜0.000019 Fish 0.0000006〜0.000040 Birds 0.000019〜0.000041	(Bivalves 0.0000005) (Fish 0.0000005) (Birds 0.0000005)	W.S. 37/37 C.S. 35/37	W.S. 37/37 C.S. 35/37	W.S. 0.000006〜0.00020 C.S. 0.000007〜0.0026	(W.S. 0.000006) (C.S. 0.000006)					
			2010	36/49	36/49	0.000000041〜0.000034	(0.00000009)	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)					
			2011	22/49	22/49	0.0000002〜0.000013	(0.0000002)	54/64	54/64	0.0000006〜0.0072	(0.0000004)	Bivalves 2/4 Fish 18/18 Birds 1/1	Bivalves 2/4 Fish 18/18 Birds 1/1	Bivalves 0.0000064〜0.000032 Fish 0.0000008〜0.000055 Birds 0.000047	(Bivalves 0.0000006) (Fish 0.0000006) (Birds 0.0000006)	W.S. 33/35 C.S. 35/37	W.S. 33/35 C.S. 35/37	W.S. 0.000010〜0.000071 C.S. 0.000009〜0.00046	(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^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			
747	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)													747
748	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)									748
			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													42/42	14/14	0.011～0.86	(0.001)					
			(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)	
			(2006)									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*)									
			(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 79/85 Birds 5/10	Bivalves 7/7 Fish 17/17 Birds 1/2	Bivalves 0.000011～0.0013 Fish 0.000011～0.0022 Birds 0.000017～0.000022	(Bivalves 0.000010*) (Fish 0.000010*) (Birds 0.000010*)	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*)					
748-1	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)													748-1
			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 0.0000025～0.0000029	(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 0.00000095～0.0000073 Fish 0.0000011～0.00017 Birds 0.0000013～0.0000024	(Bivalves 0.00000066) (Fish 0.00000066) (Birds 0.00000066)	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)					
748-1-1	1-Chloronaphthalene	90-13-1	1977	0/6	0/2	—	(0.3～3)	0/6	0/2	—	(0.012～0.3)													748-1-1
			1986	0/33	0/11	—	(0.05)	0/30	0/10	—	(0.003)													
			2007													12/24	5/8	0.16～0.73	(0.15)					
748-1-2	2-Chloronaphthalene	91-58-7	1977	0/6	0/2	—	(0.3～3)	0/6	0/2	—	(0.012～0.3)													748-1-2
			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 0.0000020～0.0000044 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. 0.000067) (C.S. 0.000067)					
748-2	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)													748-2
			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)	

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^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			
			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 0.0000016～0.0000023	(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 0.00000098) (Fish 0.00000098) (Birds 0.00000098)	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)					
748-2-1	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)									748-2-1
			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 0.00000098) (Fish 0.00000098) (Birds 0.00000098)	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. 0.000029) (C.S. 0.000029)					
748-2-2	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)									748-2-2
			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 0.00000099～0.000040 Birds －	(Bivalves 0.00000098) (Fish 0.00000098) (Birds 0.00000098)	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. 0.000022) (C.S. 0.000022)					
748-3	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)													748-3
			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 0.0000015～0.0000024	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)									
			2008	19/48	19/48	0.0000031～0.000055	(0.0000031)	171/189	58/63	0.0000038～0.0065	(0.0000033)	Bivalves 31/31 Fish 65/85 Birds 0/10	Bivalves 7/7 Fish 16/17 Birds 0/2	Bivalves 0.0000017～0.00041 Fish 0.0000012～0.00073 Birds －	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	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)					
748-3-1	1,2,3-Trichloronaphthalene	50402-52-3	2006									Bivalves 9/31 Fish 6/80 Birds 0/10	Bivalves 2/7 Fish 2/16 Birds 0/2	Bivalves 0.0000015～0.0000050 Fish 0.0000014～0.0000019 Birds －	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)									748-3-1
			2008	0/44	0/44	－	(0.0000029)	51/189	21/63	0.0000034～0.000048	(0.0000033)	Bivalves 6/31 Fish 6/85 Birds 0/10	Bivalves 2/7 Fish 2/17 Birds 0/2	Bivalves 0.0000014～0.0000024 Fish 0.0000014～0.0000022 Birds －	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	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. 0.000018) (C.S. 0.000018)					
748-4	Tetrachloronaphthalenes	1335-88-2	2001	5/24	2/8	0.0000087～0.000039	(0.0000080)	24/24	8/8	0.000014～0.0017	(0.0000010)													748-4
			2002									Fish 28/30	Fish 10/10	Fish 0.000003～0.00076	(Fish 0.000003)	27/33	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 0.0000082～0.00043 Fish 0.0000017～0.0013 Birds 0.0000027～0.0000091	(Bivalves 0.00000036) (Fish 0.00000036) (Birds 0.00000036)									
			2008	25/48	25/48	0.0000048～0.000098	(0.0000047)	178/189	62/63	0.0000049～0.0058	(0.0000048)	Bivalves 31/31 Fish 84/85 Birds 6/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000052～0.00057 Fish 0.0000022～0.0010 Birds 0.0000031～0.0000088	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	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)					
748-4-1	1,2,3,4-Tetrachloronaphthalene	20020-02-4	2006									Bivalves 11/31 Fish 11/80 Birds 0/10	Bivalves 3/7 Fish 4/16 Birds 0/2	Bivalves 0.0000014～0.0000033 Fish 0.0000014～0.000014 Birds －	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)									748-4-1
			2008	0/48	0/48	－	(0.0000025)	58/189	27/63	0.0000036～0.000047	(0.0000034)	Bivalves 7/31 Fish 14/85 Birds 0/10	Bivalves 3/7 Fish 4/17 Birds 0/2	Bivalves 0.0000013～0.0000043 Fish 0.0000011～0.0000093 Birds －	(Bivalves 0.0000010) (Fish 0.0000010) (Birds 0.0000010)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.00015～0.0048 C.S. 0.000059～0.0023	(W.S. 0.000024) (C.S. 0.000024)					
748-4-2	1,2,3,8-Tetrachloronaphthalene		2006									Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)									748-4-2

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^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			
			2008	0/44	0/44	—	(0.0000037)	6/189	5/63	0.0000037〜0.0000065	(0.0000033)	Bivalves 0/31 Fish 0/85 Birds 0/10	Bivalves 0/7 Fish 0/17 Birds 0/2	Bivalves — Fish — Birds —	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)	W.S. 12/22 C.S. 16/36	W.S. 12/22 C.S. 16/36	W.S. 0.000037〜0.00020 C.S. 0.000037〜0.00014	(W.S. 0.000036) (C.S. 0.000036)					
748-4-3	Total of 1,2,5,6-Tetrachloronaphthalene and 1,2,3,5-Tetrachloronaphthalene	67922-22-9 53555-63-8	2006									Bivalves 28/31 Fish 46/80 Birds 1/10	Bivalves 7/7 Fish 12/16 Birds 1/2	Bivalves 0.00000039〜0.000013 Fish 0.00000036〜0.000023 Birds 0.00000041	(Bivalves 0.00000036) (Fish 0.00000036) (Birds 0.00000036)									748-4-3
			2008	0/44	0/44	—	(0.0000044)	134/189	50/63	0.0000036〜0.00025	(0.0000035)	Bivalves 21/31 Fish 28/85 Birds 0/10	Bivalves 5/7 Fish 7/17 Birds 0/2	Bivalves 0.0000018〜0.000024 Fish 0.0000021〜0.000017 Birds —	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)	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. 0.000032) (C.S. 0.000032)					
748-4-4	1,4,5,8-Tetrachloronaphthalene	3432-57-3	2006									Bivalves 16/31 Fish 22/80 Birds 0/10	Bivalves 4/7 Fish 5/16 Birds 0/2	Bivalves 0.0000012〜0.000011 Fish 0.00000095〜0.00013 Birds —	(Bivalves 0.00000095) (Fish 0.00000095) (Birds 0.00000095)									748-4-4
			2008	4/45	4/45	0.0000043〜0.000018	(0.0000042)	131/189	50/63	0.0000048〜0.00038	(0.0000048)	Bivalves 11/31 Fish 14/85 Birds 0/10	Bivalves 3/7 Fish 4/17 Birds 0/2	Bivalves 0.0000030〜0.000018 Fish 0.0000020〜0.000078 Birds —	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 22/22 C.S. 35/36	W.S. 22/22 C.S. 35/36	W.S. 0.00011〜0.018 C.S. 0.000053〜0.0094	(W.S. 0.000041) (C.S. 0.000041)					
748-4-5	2,3,6,7-Tetrachloronaphthalene	34588-40-4	2006									Bivalves 0/31 Fish 5/80 Birds 0/10	Bivalves 0/7 Fish 3/16 Birds 0/2	Bivalves — Fish 0.0000075〜0.000018 Birds —	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)									748-4-5
			2008	0/44	0/44	—	(0.0000037)	9/189	5/63	0.0000030〜0.00011	(0.0000030)	Bivalves 1/31 Fish 0/85 Birds 0/10	Bivalves 1/7 Fish 0/17 Birds 0/2	Bivalves 0.0000012 Fish — Birds —	(Bivalves 0.00000090) (Fish 0.00000090) (Birds 0.00000090)	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. 0.000013) (C.S. 0.000013)					
748-5	Pentachloronaphthalenes	1321-64-8	2001	1/24	1/8	0.000013	(0.0000080)	22/24	8/8	0.0000020〜0.0011	(0.0000020)													748-5
			2002									Fish 29/30	Fish 10/10	Fish 0.000003〜0.00026	(Fish 0.000003)	26/33	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 0.0000030〜0.00012 Fish 0.0000017〜0.00022 Birds 0.0000041〜0.0000065	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)									
			2008	13/45	13/45	0.0000036〜0.000016	(0.0000031)	181/189	61/63	0.0000024〜0.0048	(0.0000019)	Bivalves 31/31 Fish 82/85 Birds 6/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.0000023〜0.00019 Fish 0.0000022〜0.00029 Birds 0.0000027〜0.0000076	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	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)					
748-5-1	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 0.0000026〜0.0000044 Fish 0.0000019〜0.0000023 Birds —	(Bivalves 0.0000018) (Fish 0.0000018) (Birds 0.0000018)									748-5-1
			2008	0/45	0/45	—	(0.0000028)	125/189	49/63	0.0000018〜0.00016	(0.0000018)	Bivalves 6/31 Fish 12/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.0000036〜0.0000077 Fish 0.0000012〜0.0000038 Birds —	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	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)					
748-5-2	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 0.0000019〜0.000031 Fish 0.0000018〜0.00012 Birds 0.0000028〜0.0000035	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)									748-5-2
			2008	1/45	1/45	0.0000027	(0.0000026)	151/189	55/63	0.0000022〜0.00061	(0.0000019)	Bivalves 31/31 Fish 85/85 Birds 5/10	Bivalves 7/7 Fish 17/17 Birds 1/2	Bivalves 0.0000010〜0.000040 Fish 0.0000011〜0.00014 Birds 0.0000027〜0.0000036	(Bivalves 0.00000087) (Fish 0.00000087) (Birds 0.00000087)	W.S. 22/22 C.S. 36/36	W.S. 22/22 C.S. 36/36	W.S. 0.000083〜0.0013 C.S. 0.000036〜0.0015	(W.S. 0.000020) (C.S. 0.000020)					
748-5-3	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 0.0000043〜0.0000078 Fish 0.0000013〜0.000010 Birds —	(Bivalves 0.0000013) (Fish 0.0000013) (Birds 0.0000013)									748-5-3
			2008	0/44	0/44	—	(0.0000031)	146/189	54/63	0.0000020〜0.00065	(0.0000019)	Bivalves 6/31 Fish 18/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.0000048〜0.000015 Fish 0.0000019〜0.000013 Birds —	(Bivalves 0.0000019) (Fish 0.0000019) (Birds 0.0000019)	W.S. 20/22 C.S. 24/36	W.S. 20/22 C.S. 24/36	W.S. 0.000051〜0.0010 C.S. 0.000055〜0.00070	(W.S. 0.000050) (C.S. 0.000050)					
748-6	Hexachloronaphthalenes	1335-87-1	2001	0/24	0/8	—	(0.000019)	18/24	6/8	0.000005〜0.00018	(0.000004)													748-6
			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)	

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^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			
			2006									Bivalves 8/31 Fish 50/80 Birds 10/10	Bivalves 3/7 Fish 12/16 Birds 2/2	Bivalves 0.0000012～0.000011 Fish 0.0000012～0.000076 Birds 0.0000016～0.0000060	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)									
			2008	3/45	3/45	0.0000038～0.0000057	(0.0000033)	150/189	55/63	0.0000039～0.0039	(0.0000037)	Bivalves 6/31 Fish 54/85 Birds 10/10	Bivalves 2/7 Fish 13/17 Birds 2/2	Bivalves 0.0000066～0.000026 Fish 0.0000012～0.000092 Birds 0.0000017～0.0000057	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 22/22 C.S. 33/36	W.S. 22/22 C.S. 33/36	W.S. 0.000038～0.0011 C.S. 0.000037～0.00070	(W.S. 0.000036) (C.S. 0.000036)					
748-6-1	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 0.0000012～0.000016 Birds 0.0000015～0.0000060	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)									748-6-1
			2008	0/44	0/44	－	(0.0000033)	126/189	47/63	0.0000017～0.00026	(0.0000016)	Bivalves 6/31 Fish 43/85 Birds 10/10	Bivalves 2/7 Fish 10/17 Birds 2/2	Bivalves 0.0000010～0.0000020 Fish 0.0000010～0.000018 Birds 0.0000015～0.0000057	(Bivalves 0.00000098) (Fish 0.00000098) (Birds 0.00000098)	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)					
748-6-2	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 0.0000019 Fish 0.0000026～0.000025 Birds －	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)									748-6-2
			2008	0/45	0/45	－	(0.0000033)	130/189	50/63	0.0000018～0.00091	(0.0000017)	Bivalves 6/31 Fish 26/85 Birds 0/10	Bivalves 2/7 Fish 6/17 Birds 0/2	Bivalves 0.0000011～0.0000057 Fish 0.00000098～0.000027 Birds －	(Bivalves 0.00000097) (Fish 0.00000097) (Birds 0.00000097)	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)					
748-6-3	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 0.0000021～0.0000030 Fish 0.0000016～0.000020 Birds －	(Bivalves 0.0000016) (Fish 0.0000016) (Birds 0.0000016)									748-6-3
			2008	0/45	0/45	－	(0.0000030)	105/189	41/63	0.0000040～0.0012	(0.0000037)	Bivalves 6/31 Fish 23/85 Birds 0/10	Bivalves 2/7 Fish 5/17 Birds 0/2	Bivalves 0.0000013～0.0000071 Fish 0.0000012～0.000022 Birds －	(Bivalves 0.0000011) (Fish 0.0000011) (Birds 0.0000011)	W.S. 15/22 C.S. 13/36	W.S. 15/22 C.S. 13/36	W.S. 0.000037～0.00028 C.S. 0.000037～0.00020	(W.S. 0.000036) (C.S. 0.000036)					
748-7	Heptachloronaphthalenes	32241-08-0	2001	0/24	0/8	－	(0.0000080)	12/24	4/8	0.000005～0.000066	(0.000005)													748-7
			2002									Fish 2/30	Fish 1/10	Fish 0.000003	(Fish 0.000003)	9/33	6/11	0.0002～0.0009	(0.0001)	Food 0/50		－ng/g-wet	(0.001)	
			2006									Bivalves 4/31 Fish 7/80 Birds 0/10	Bivalves 1/7 Fish 3/16 Birds 0/2	Bivalves 0.00000096～0.0000018 Fish 0.00000091～0.0000019 Birds －	(Bivalves 0.00000085) (Fish 0.00000085) (Birds 0.00000085)									
			2008	0/48	0/48	－	(0.0000027)	113/189	44/63	0.0000032～0.00076	(0.0000031)	Bivalves 3/31 Fish 3/85 Birds 0/10	Bivalves 1/7 Fish 1/17 Birds 0/2	Bivalves 0.0000016～0.0000035 Fish 0.0000013～0.0000077 Birds －	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 13/22 C.S. 22/36	W.S. 13/22 C.S. 22/36	W.S. 0.000037～0.00013 C.S. 0.000042～0.00018	(W.S. 0.000032) (C.S. 0.000032)					
748-7-1	1,2,3,4,5,6,7-Heptachloronaphthalene		2006									Bivalves 1/31 Fish 2/80 Birds 0/10	Bivalves 1/7 Fish 1/16 Birds 0/2	Bivalves 0.00000085 Fish 0.00000086～0.00000095 Birds －	(Bivalves 0.00000085) (Fish 0.00000085) (Birds 0.00000085)									748-7-1
			2008	0/48	0/48	－	(0.0000027)	91/189	37/63	0.0000031～0.00035	(0.0000031)	Bivalves 1/31 Fish 1/85 Birds 0/10	Bivalves 1/7 Fish 1/17 Birds 0/2	Bivalves 0.0000021 Fish 0.0000034 Birds －	(Bivalves 0.0000012) (Fish 0.0000012) (Birds 0.0000012)	W.S. 9/22 C.S. 20/36	W.S. 19/22 C.S. 20/36	W.S. 0.000034～0.000089 C.S. 0.000033～0.00014	(W.S. 0.000032) (C.S. 0.000032)					
748-8	Octachloronaphthalene	2234-13-1	2001	0/24	0/8	－	(0.000020)	6/24	3/8	0.000006～0.000075	(0.000005)													748-8
			2002									Fish 0/30	Fish 0/10	Fish －	(Fish 0.000002)	2/33	2/11	0.0008～0.0035	(0.0006)	Food 0/50		－ng/g-wet	(0.001)	
			2006									Bivalves 0/31 Fish 0/80 Birds 0/10	Bivalves 0/7 Fish 0/16 Birds 0/2	Bivalves － Fish － Birds －	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)									
			2008	0/44	0/44	－	(0.0000038)	52/189	23/63	0.0000045～0.00020	(0.0000044)	Bivalves 1/31 Fish 0/85 Birds 0/10	Bivalves 1/7 Fish 0/17 Birds 0/2	Bivalves 0.0000011 Fish － Birds －	(Bivalves 0.0000010) (Fish 0.0000010) (Birds 0.0000010)	W.S. 5/22 C.S. 18/36	W.S. 5/22 C.S. 18/36	W.S. 0.000041～0.00017 C.S. 0.000039～0.00017	(W.S. 0.000038) (C.S. 0.000038)					
749	Polychloroterphenyls	61788-33-8	1974	0/60	0/12	－	(0.1～1)	0/60	0/12	－	(0.05～0.2)	Fish 3/11	Fish 1/3	Fish 0.05～0.12	(Fish 0.05～0.2)									749
			1976	0/156	0/71	－	(0.01～1)	21/150	15/71	0.001～0.33	(0.001～0.2)	Fish 0/39	Fish 0/18	Fish －	(Fish 0.001～0.2)									
			1978	0/75	0/25	－	(0.002～2.5)	37/75	15/25	0.001～4.7	(0.001～1.0)	Fish 3/66	Fish 2/19	Fish 0.0003～0.003	(Fish 0.0002～0.1)									
												Bivalves 0/10 Fish 0/30 Birds 0/6	Bivalves 0/2 Fish 0/6 Birds 0/1	Bivalves － Fish － Birds －	(Bivalves 0.01) (Fish 0.01) (Birds 0.1)									
			2000													21/24	7/8	0.0015～0.0060	(0.001)					
			(2002)	1/30	1/10	0.00044	(0.000013)	27/30	9/10	0.00059～0.14	(0.0000091)	Fish 6/6	Fish 2/2	Fish 0.000015～0.00054	(Fish 0.0000078)									
749-1	Monochloroterphenyls		2000													21/24	7/8	0.00092～0.0060	(0.0001)					749-1

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^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			
			2002	0/30	0/10	—	(0.000013)	12/27	4/9	0.000052〜0.00084	(0.000019)	Fish 3/6	Fish 1/2	Fish 0.000015〜0.000017	(Fish 0.0000078)									
749-1-1	4-Monochloro-*o* -terphenyl		2002	0/30	0/10	—	(0.000023)	7/24	3/8	0.000031〜0.00018	(0.000029)	Fish 3/6	Fish 1/2	Fish 0.000015〜0.000017	(Fish 0.0000078)									749-1-1
749-1-2	4-Monochloro-*p* -tephenyl		2002	0/30	0/10	—	(0.000013)	6/24	3/8	0.000032〜0.000098	(0.000019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000026)									749-1-2
749-2	Dichloroterphenyls		2000													4/24	3/8	0.00055〜0.0011	(0.00053)					749-2
			2002	0/30	0/10	—	(0.000016)	11/27	4/9	0.000040〜0.0026	(0.000019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000016)									
	(Total of 2,4-dichloro-*p* -isomer and 2,5-dichloro-*p* -isomer)		2002	0/24	0/8	—	(0.000023)	2/21	1/7	0.000022〜0.00012	(0.000021)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000016)									
749-2-1	2,5-Dichloro-*o* -terphenyl		2002	0/30	0/10	—	(0.000021)	0/21	0/7	—	(0.000019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000016)									749-2-1
749-2-2	2,5-Dichloro-*m* -terphenyl		2002	0/27	0/9	—	(0.000016)	2/21	1/7	0.000023〜0.00013	(0.000019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000016)									749-2-2
749-3	Trichloroterphenyls		2000													0/24	0/8	—	(0.0073)					749-3
			2002	0/30	0/10	—	(0.000022)	6/30	2/10	0.000068〜0.00053	(0.0000091)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.0000078)									
749-3-1	2,4,6-Trichloro-*p* -terphenyl		2002	0/30	0/10	—	(0.000022)	0/24	0/8	—	(0.0000091)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.0000078)									749-3-1
749-4	Tetrachloroterphenyls		2000													0/24	0/8	—	(0.0072)					749-4
			2002	1/30	1/10	0.000045	(0.000024)	6/30	2/10	0.000086〜0.0010	(0.000017)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000020)									
749-4-1	2,3,5,6-Tetrachloro-*p* -terphenyl		2002	0/30	0/10	—	(0.000024)	2/24	1/8	0.000017〜0.00010	(0.000017)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000020)									749-4-1
749-4-2	2,4,4",6-Tetrachloro-*p* -terphenyl		2002	0/30	0/10	—	(0.000026)	3/24	1/8	0.000041〜0.00031	(0.000019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000020)									749-4-2
749-5	Pentachloroterphenyls		2000													0/24	0/8	—	(0.0010)					749-5
			2002	1/30	1/10	0.00039	(0.000024)	3/30	1/10	0.000044〜0.00041	(0.000020)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000021)									
749-5-1	2,3,4,5,6-Pentachloro-*p* -terphenyl		2002	1/30	1/10	0.00039	(0.000024)	0/30	0/10	—	(0.000020)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000021)									749-5-1
749-6	Hexachloroterphenyls		2002	0/30	0/10	—	(0.00042)	17/30	6/10	0.00017〜0.0029	(0.000039〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000077〜0.000096)									749-6
749-7	Heptachloroterphenyls		2002	0/30	0/10	—	(0.00042)	27/30	9/10	0.000078〜0.0057	(0.000039〜0.00019)	Fish 3/6	Fish 1/2	Fish 0.00020〜0.00026	(Fish 0.000077〜0.000096)									749-7
749-8	Octachloroterphenyl		2002	0/30	0/10	—	(0.00042)	27/30	9/10	0.000080〜0.041	(0.000039〜0.00019)	Fish 3/6	Fish 1/2	Fish 0.00012〜0.00017	(Fish 0.000077〜0.000096)									749-8
749-9	Nonachloroterphenyls		2002	0/30	0/10	—	(0.00042)	27/30	9/10	0.00025〜0.072	(0.000039〜0.00019)	Fish 3/6	Fish 1/2	Fish 0.000084〜0.00011	(Fish 0.000077〜0.000096)									749-9
749-10	Decachloroterphenyl		2002	0/30	0/10	—	(0.00042)	27/30	9/10	0.00017〜0.022	(0.000039〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000077〜0.000096)									749-10
749-11	Hendecachloroterphenyls		2002	0/30	0/10	—	(0.00042)	16/30	6/10	0.00010〜0.0016	(0.000039〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000077〜0.000096)									749-11
749-12	Dodeca hloroterphenyls		2002	0/30	0/10	—	(0.00042)	0/30	0/10	—	(0.000039〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000077〜0.000096)									749-12
749-13	Tridecachloroterphenyls		2002	0/30	0/10	—	(0.00042)	0/30	0/10	—	(0.000039〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000077〜0.000096)									749-13
749-14	Tetradecachloroterphenyls		2002	0/30	0/10	—	(0.00033)	0/30	0/10	—	(0.000031〜0.00019)	Fish 0/6	Fish 0/2	Fish —	(Fish 0.000061〜0.000076)									749-14
750	Polyethylene glycol fatty acid este	25322-68-3	1982	0/30	0/10	—	(10)																	750
751	Polyoxyethylenealkylamide	Unknown	1983	0/27	0/9	—	(4)	0/27	0/9	—	(0.7)													751
752	Polyoxyethylenealkylamine	Unknown	1983	0/27	0/9	—	(5)	0/27	0/9	—	(0.5)													752
753	Polyoxyethylene-type nonionic surfactants	Unknown	1982	17/72	8/24	5〜50	(3.0〜10)	64/72	22/24	0.16〜12.4	(0.10〜0.2)													753
			1998	7/45	3/15	3.5〜22	(3)	29/42	10/14	0.086〜12	(0.082)													
753-1	Poly(oxyethylene) alkyl ether	Unknown	1982	0/30	0/10	—	(5)	19/30	9/10	0.22〜1.0	(0.2)													753-1
753-1-1	Poly(oxyethylene) dodecyl ether	9002-92-0																						753-1-1
	(polymerisation degree 2-15)		(2005)	9/15	3/5	0.14〜1.0	(0.264*)																	
	(polymerisation degree 2-19)		(2006)					15/15	5/5	0.0080〜1.5	(0.15*)													
753-1-1-1	Di(oxyethylene) dodecyl ether		2005	0/15	0/5	—	(0.029)																	753-1-1-1
			2006					0/15	0/5	—	(0.012)													
753-1-1-2	Tri(oxyethylene) dodecyl ether		2005	0/15	0/5	—	(0.017)																	753-1-1-2
			2006					0/15	0/5	—	(0.017)													
753-1-1-3	Tetra(oxyethylene) dodecyl ether		2005	1/16	1/6	0.050	(0.021)																	753-1-1-3
			2006					0/15	0/5	—	(0.018)													
753-1-1-4	Penta(oxyethylene) dodecyl ether		2005	4/18	2/6	0.028〜0.10	(0.019)																	753-1-1-4
			2006					0/15	0/5	—	(0.016)													
753-1-1-5	Hexa(oxyethylene) dodecyl ether		2005	3/13	2/5	0.018〜0.055	(0.018)																	753-1-1-5
			2006					4/15	2/5	0.013〜0.017	(0.012)													
753-1-1-6	Hepta(oxyethylene) dodecyl ether		2005	6/24	2/8	0.021〜0.45	(0.018)																	753-1-1-6
			2006					7/15	4/5	0.012〜0.020	(0.011)													
753-1-1-7	Octa(oxyethylene) dodecyl ether		2005	6/15	3/5	0.016〜0.088	(0.016)																	753-1-1-7
			2006					8/15	4/5	0.010〜0.031	(0.0096)													
753-1-1-8	Nona(oxyethylene) dodecyl ether		2005	6/15	2/5	0.029〜0.13	(0.023)																	753-1-1-8
			2006					10/15	4/5	0.0097〜0.064	(0.0087)													
753-1-1-9	Deca(oxyethylene) dodecyl ether		2005	8/15	3/5	0.022〜0.13	(0.019)																	753-1-1-9
			2006					11/15	4/5	0.011〜0.11	(0.0087)													
753-1-1-10	Undecan(oxyethylene) dodecyl ether		2005	8/15	3/5	0.023〜0.13	(0.020)																	753-1-1-10
			2006					11/15	4/5	0.011〜0.16	(0.0073)													
753-1-1-11	Dodeca(oxyethylene) dodecyl ether		2005	9/15	3/5	0.021〜0.14	(0.020)																	753-1-1-11
			2006					11/15	4/5	0.012〜0.21	(0.0062)													
753-1-1-12	Trideca(oxyethylene) dodecyl ether		2005	9/15	3/5	0.022〜0.12	(0.020)																	753-1-1-12
			2006					11/15	4/5	0.012〜0.19	(0.0080)													
753-1-1-13	Tetradeca(oxyethylene) dodecyl ether		2005	8/15	3/5	0.029〜0.12	(0.024)																	753-1-1-13
			2006					11/15	4/5	0.013〜0.17	(0.0064)													
753-1-1-14	Pentadeca(oxyethylene) dodecyl ether		2006					12/15	5/5	0.0049〜0.17	(0.0043)													753-1-1-14
753-1-1-15	Hexadeca(oxyethylene) dodecyl ether		2006					14/15	5/5	0.0033〜0.15	(0.0030)													753-1-1-15
753-1-1-16	Heptadeca(oxyethylene) dodecyl ether		2006					12/15	5/5	0.0049〜0.081	(0.0036)													753-1-1-16
753-1-1-17	Octadeca(oxyethylene) dodecyl ether		2006					12/15	5/5	0.0036〜0.043	(0.0025)													753-1-1-17
753-1-1-18	Nonadeca(oxyethylene) dodecyl ether		2006					12/15	5/5	0.0015〜0.031	(0.0010)													753-1-1-18
753-1-2	Poly(oxyethylene) tridecyl ether	24938-91-8																						753-1-2

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^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			
	(polymerisation degree 2-19)		(2006)					9/15	5/5	0.0046～0.068	(0.25*)													
753-1-2-1	Di(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.017)													753-1-2-1
753-1-2-2	Tri(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.022)													753-1-2-2
753-1-2-3	Tetra(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.022)													753-1-2-3
753-1-2-4	Penta(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.022)													753-1-2-4
753-1-2-5	Hexa(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.021)													753-1-2-5
753-1-2-6	Hepta(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.020)													753-1-2-6
753-1-2-7	Octa(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.019)													753-1-2-7
753-1-2-8	Nona(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.021)													753-1-2-8
753-1-2-9	Deca(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.019)													753-1-2-9
753-1-2-10	Undecan(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.015)													753-1-2-10
753-1-2-11	Dodeca(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.013)													753-1-2-11
753-1-2-12	Trideca(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.015)													753-1-2-12
753-1-2-13	Tetradeca(oxyethylene) tridecyl ether		2006					0/15	0/5	—	(0.0096)													753-1-2-13
753-1-2-14	Pentadeca(oxyethylene) tridecyl ether		2006					5/15	4/5	0.0075～0.0087	(0.0069)													753-1-2-14
753-1-2-15	Hexadeca(oxyethylene) tridecyl ether		2006					8/15	4/5	0.0053～0.011	(0.0053)													753-1-2-15
753-1-2-16	Heptadeca(oxyethylene) tridecyl ether		2006					7/15	3/5	0.0050～0.010	(0.0043)													753-1-2-16
753-1-2-17	Octadeca(oxyethylene) tridecyl ether		2006					7/15	3/5	0.0039～0.0081	(0.0030)													753-1-2-17
753-1-2-18	Nonadeca(oxyethylene) tridecyl ether		2006					8/15	4/5	0.0018～0.0058	(0.0017)													753-1-2-18
753-1-3	Poly(oxyethylene) tetradecyl ether	27306-79-2																						753-1-3
	(polymerization degree 2-19)		(2006)					14/15	5/5	0.0010～0.45	(0.23*)													
753-1-3-1	Di(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.018)													753-1-3-1
753-1-3-2	Tri(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.019)													753-1-3-2
753-1-3-3	Tetra(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.018)													753-1-3-3
753-1-3-4	Penta(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.023)													753-1-3-4
753-1-3-5	Hexa(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.021)													753-1-3-5
753-1-3-6	Hepta(oxyethylene) tetradecyl ether		2006					0/15	0/5	—	(0.020)													753-1-3-6
753-1-3-7	Octa(oxyethylene) tetradecyl ether		2006					1/15	1/5	0.018	(0.017)													753-1-3-7
753-1-3-8	Nona(oxyethylene) tetradecyl ether		2006					1/15	1/5	0.039	(0.017)													753-1-3-8
753-1-3-9	Deca(oxyethylene) tetradecyl ether		2006					1/15	1/5	0.054	(0.016)													753-1-3-9
753-1-3-10	Undeca(oxyethylene) tetradecyl ether		2006					1/15	1/5	0.066	(0.012)													753-1-3-10
753-1-3-11	Dodeca(oxyethylene) tetradecyl ether		2006					3/15	3/5	0.011～0.073	(0.011)													753-1-3-11
753-1-3-12	Trideca(oxyethylene) tetradecyl ether		2006					2/15	2/5	0.016～0.054	(0.014)													753-1-3-12
753-1-3-13	Tetradeca(oxyethylene) tetradecyl ether		2006					2/15	2/5	0.016～0.041	(0.0087)													753-1-3-13
753-1-3-14	Pentadeca(oxyethylene) tetradecyl ether		2006					7/15	4/5	0.0059～0.034	(0.0053)													753-1-3-14
753-1-3-15	Hexadeca(oxyethylene) tetradecyl ether		2006					9/15	4/5	0.0046～0.026	(0.0039)													753-1-3-15
753-1-3-16	Heptadeca(oxyethylene) tetradecyl ether		2006					8/15	4/5	0.0043～0.015	(0.0042)													753-1-3-16
753-1-3-17	Octadeca(oxyethylene) tetradecyl ether		2006					8/15	4/5	0.0033～0.0067	(0.0027)													753-1-3-17
753-1-3-18	Nonadeca(oxyethylene) tetradecyl ether		2006					7/15	3/5	0.0029～0.030	(0.0027)													753-1-3-18
753-1-4	Polyoxyethylene decyl ether	27306-79-2																						753-1-4
	(polymerization degree 2-19)		(2006)					0/15	0/5	—	(0.15*)													
753-1-4-1	Di(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0080)													753-1-4-1
753-1-4-2	Tri(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.010)													753-1-4-2
753-1-4-3	Tetra(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.011)													753-1-4-3
753-1-4-4	Penta(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.014)													753-1-4-4
753-1-4-5	Hexa(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.013)													753-1-4-5
753-1-4-6	Hepta(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.012)													753-1-4-6
753-1-4-7	Octa(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.015)													753-1-4-7
753-1-4-8	Nona(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.012)													753-1-4-8
753-1-4-9	Deca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.012)													753-1-4-9
753-1-4-10	Undeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0092)													753-1-4-10
753-1-4-11	Dodeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0078)													753-1-4-11
753-1-4-12	Trideca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0078)													753-1-4-12
753-1-4-13	Tetradeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0055)													753-1-4-13
753-1-4-14	Pentadeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0039)													753-1-4-14
753-1-4-15	Hexadeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0034)													753-1-4-15
753-1-4-16	Heptadeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0031)													753-1-4-16
753-1-4-17	Octadeca(oxyethylene) pentadecyl ether		2006					0/15	0/5	—	(0.0031)													753-1-4-17
753-1-4-18	Nonadeca(oxyethylene) pentadecyl ether		2006					0/3	0/1	—	(0.0018)													753-1-4-18
753-2	Poly(oxyethylene) alkylphenyl ether	Unknown	1977	3/15	1/5	190～230	(100)	6/15	2/5	7.2～29.6	(4.0)													753-2
			1978	23/90	6/15	130～500	(100)	69/88	15/15	2.1～49.5	(2)													
			1982	1/30	1/10	90	(15)	8/30	4/10	2.6～4.9	(2.0)													
753-2-1	Poly(oxyethylene) nonylphenyl ether	9016-45-9	(2005)	9/9	3/3	0.018～0.15	(0.044*)																	753-2-1
753-2-1-1	Di(oxyethylene) nonylphenyl ether		2005	13/13	5/5	0.0051～0.33	(0.0037)																	753-2-1-1
753-2-1-2	Tri(oxyethylene) nonylphenyl ether		2005	16/19	6/7	0.0060～0.22	(0.0042)																	753-2-1-2
753-2-1-3	Tetra(oxyethylene) nonylphenyl ether		2005	14/17	5/6	0.0043～0.13	(0.0018)																	753-2-1-3
753-2-1-4	Penta(oxyethylene) nonylphenyl ether		2005	11/16	5/6	0.0053～0.12	(0.0034)																	753-2-1-4
753-2-1-5	Hexa(oxyethylene) nonylphenyl ether		2005	9/16	4/6	0.0052～0.090	(0.0037)																	753-2-1-5
753-2-1-6	Hepta(oxyethylene) nonylphenyl ethers		2005	8/16	4/6	0.0039～0.094	(0.0038)																	753-2-1-6
753-2-1-7	Octa(oxyethylene) nonylphenyl ether		2005	11/17	4/6	0.0031～0.096	(0.0027)																	753-2-1-7
753-2-1-8	Nona(oxyethylene) nonylphenyl ether		2005	7/16	3/6	0.0034～0.087	(0.0023)																	753-2-1-8
753-2-1-9	Deca(oxyethylene) nonylphenyl ether		2005	10/16	4/6	0.0026～0.085	(0.0024)																	753-2-1-9
753-2-1-10	Undecan(oxyethylene) nonylphenyl ethers		2005	7/16	4/6	0.0038～0.073	(0.0036)																	753-2-1-10

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^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			
753-2-1-11	Dodeca(oxyethylene) nonylphenyl ethers		2005	6/16	3/6	0.0028～0.059	(0.0026)																	753-2-1-11
753-2-1-12	Trideca(oxyethylene) nonylphenyl ethers		2005	7/16	3/6	0.0028～0.038	(0.0024)																	753-2-1-12
753-2-1-13	Tetradeca(oxyethylene) nonylphenyl ethers		2005	4/16	2/6	0.017～0.028	(0.0043)																	753-2-1-13
753-2-1-14	Pentadeca(oxyethylene) nonylphenyl ethers		2005	1/12	1/4	0.012	(0.0035)																	753-2-1-14
	Pretilachlor	See 2-Chloro-2',6'-diethyl-*N*-(2-propoxyethyl)acetanilide																						
	Probenazole	See 3-Allyloxy-1,2-benzoisothiazole 1,1-dioxide																						
754	Propanal	123-38-6	1987	0/75	0/25	—	(0.5)									23/66	7/12	810～14,000	(800)					754
755	1-Propanamine	107-10-8	1980	0/27	0/9	—	(0.5～33)	0/27	0/9	—	(0.001～0.18)													755
756	1,2-Propanediol	57-55-6	1977	0/6	0/2	—	(300～400)	0/6	0/2	—	(2～ 3)													756
			1986	12/24	4/8	0.2～0.8	(0.2)	4/24	3/8	0.020～0.022	(0.02)													
757	4,4'-Propane-2,2-diyldiphenol (synonym: 4,4'-Isopropylidenediphenol or Bisphenol-	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)									757
			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)																	
			2011													4/33	3/11	1.1～5.6	(0.96)					
758	Propanenitrile	107-12-0	1987	0/75	0/25	—	(0.7)	0/75	0/25	—	(0.006)					0/61	0/10	—	(200)					758
	Propanil	See 3',4'-Dichloropropionanilide																						
759	1-Propanol	71-23-8	1995	0/33	0/11	—	(3)	4/33	2/11	0.11～0.14	(0.09)					1/18	1/6	210	(200)					759
760	2-Propanol (synonym: Isopropyl alcohol)	67-63-0	1995	0/33	0/11	—	(8)	4/33	2/11	0.50～2.64	(0.27)					16/18	6/6	90～10,000	(50)					760
			2008													15/15	5/5	200～4,900	(10)					
	n-Propanolamine	See 3-Aminopropan-1-ol																						
761	1-Propene	115-07-1	1977	2/6	1/2	0.1	(0.05～5)	0/6	0/2	—	(0.0002～0.005)													761
	2-Propen-1-ol	See Allyl alcohol																						
762	*N*-2-Propenyl-2-propen-1-amine	124-02-7	1981	0/27	0/9	—	(0.8～2)	0/27	0/9	—	(0.005～0.01)													762
	Propionaldehyde	See Propanal																						
	Propionitrile	See Propanenitrile																						
	Propoxur	See 2-Isopropyloxyphenyl *N*-methylcarbamate																						
	n-Propylamine	See 1-Propanamine																						
	Propylene	See 1-Propene																						
763	Propylene diamine	78-90-0	1987	0/87	0/29	—	(0.6)	0/87	0/29	—	(0.100)													763
764	Propylene dinitrate	6423-43-4	2007													2/24	1/8	2.0～3.9	(2.0)					764
	Propylene glycol	See 1,2-Propanediol																						
	Propylene oxide	See 1,2-Epoxypropane																						
765	Propylenimine	75-55-8	1986	0/30	0/10	—	(50)	0/24	0/8	—	(0.05)													765
	n-Propyl *p*-oxybenzoate	See Propylparaben																						
766	Propylparaben	94-13-3	2000	0/33	0/11	—	(0.014)	0/33	0/11	—	(2.3)	Fish 0/28	Fish 0/10	Fish —	(Fish 2.3)									766
	Propylthiouracil	See 2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)- pyrimidinone																						
767	*N*-Propyl-*N*-[2-(2,4,6,-trichloro phenoxy)ethyl]-imidazole-1-carboxamide (synonym: Prochloraz	67747-09-5	2006	0/24	0/8	—	(0.0018)									0/15	0/5	—	(0.3)					767
768	Pyrene	129-00-0	1989	8/69	3/23	0.01～0.065	(0.009)	68/71	23/24	0.02～3.9	(0.006)	Fish 10/63	Fish 6/21	Fish 0.0013～0.0096	(Fish 0.001)	39/39	13/13	0.26～9.07	(0.2)					768
			1999	4/36	2/12	0.006～0.012	(0.006)	39/39	13/13	0.0066～0.54	(0.0062)	Fish 8/37	Fish 4/13	Fish 0.00037～0.0016	(Fish 0.00034)	39/39	13/13	0.39～8.1	(0.050)					
	Pyridaphenthion	See *O*,*O*-Diethyl *O*-(6-oxo-1-phenyl-1,6-dihydro-3-pyridazinyl) thiophosphate																						
769	Pyridine	110-86-1	1980	2/9	1/3	0.3～0.4	(0.1～0.2)	6/9	2/3	0.006～0.031	(0.002～0.01)													769
			1991	6/36	2/12	0.13～0.2	(0.1)	18/39	6/13	0.0068～0.11	(0.005)	Fish 19/39	Fish 7/13	Fish 0.0045～0.075	(Fish 0.003)	22/49	10/18	24～90	(24)					
			1997													43/53	19/20	10～210	(10)					
			1998	6/33	2/11	0.29～0.41	(0.1)	6/33	2/11	0.013～0.019	(0.0092)													
770	2-Pyridinecarbonitrile	100-70-9	1984	0/24	0/8	—	(1～4)	0/24	0/8	—	(0.06～0.2)													770
771	4-Pyridinecarbonitrile	100-48-1	1984	0/24	0/8	—	(0.9～4)	0/24	0/8	—	(0.04～0.2)													771
772	Pyridine-triphenylborane(1/1)	971-66-4	2003	0/15	0/5	—	(0.12)																	772
	2-pyridylamine	See 2-Aminopyridine																						
	3-Pyridylamine	See 3-Aminopyridine																						
	4-Pyridylamine	See 4-Aminopyridine																						
773	Pyrrole	109-97-7	1981	0/24	0/8	—	(2～5)	0/24	0/8	—	(0.03～0.1)													773
774	Pyrrolidine	123-75-1	1986	0/30	0/10	—	(10)	0/24	0/8	—	(0.03)													774
775	Quinoline	91-22-5	1984	2/24	1/8	0.006	(0.005～3.9)	3/24	2/8	0.00005～0.00008	(0.00005～0.17)													775
			1991	0/36	0/12	—	(0.1)	2/39	1/13	0.006	(0.0051)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.003)									
			2007	12/21	4/7	0.0030～0.013	(0.0011)																	
			2008													27/41	11/15	0.32～12	(0.32)					
			2010					25/41	10/14	0.00013～0.0020	(0.00010)													
	Quintozene	See Pentachloronitrobenzene																						
	R-22	See Chlorodifluoromethane																						
776	Salicylaldehyde	90-02-8	2007	0/15	0/5	—	(0.013)																	776
	Salithion	See 2-Methoxy-4*H*-1,3,2-benzodioxaphosphorin-2-sulfide																						
777	Selenium and its compounds (as Selenium)	7782-49-2 etc.	1974	12/60	4/12	0.06～0.17	(0.1～40)	36/60	8/12	0.02～0.190	(1.3)	Bivalves 20/20 Fish 20/20	Bivalves 4/4 Fish 4/4	Bivalves 0.04～0.30 Fish 0.14～0.87										777
			1978									Bivalves 10/10 Fish 30/30 Birds 6/6	Bivalves 2/2 Fish 6/6 Birds 1/1	Bivalves 0.31～0.50 Fish 0.22～0.89 Birds 0.30～0.49										
			1979									Bivalves 15/15 Fish 40/40 Birds 6/6	Bivalves 3/3 Fish 8/8 Birds 1/1	Bivalves 0.23～0.56 Fish 0.19～1.58 Birds 0.44～0.52	(Bivalves 0.01) (Fish 0.01) (Birds 0.05)									
			1980									Birds 8/8	Birds 1/1	Birds 0.49～0.69	(Birds 0.05)									
	Simazine	See 2-Chloro-4,6-bis(ethylamino)-1,3,5-triazine																						
	Simetryn	See 2,4-Bis(ethylamino)-6-methylthio-1,3,5-triazine																						
778	Sodium *m*-nitrobenzenesulfonate	127-68-4	1977	0/6	0/2	—	(6.6～10)	0/6	0/2	—	(0.5～0.78)													778
	Solvent yellow 14	See 1-Phenylazo-2-naphthol																						
	Solvent yellow 2	See 4-Dimethylaminoazobenzene																						
779	Styrene	100-42-5	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.006)													779
			1985	0/27	0/9	—	(0.1)	1/21	1/7	0.001	(0.001)													
			1986	7/121	5/41	0.03～0.5	(0.03)	13/125	8/42	0.0005～0.0075	(0.0005)	Fish 28/131	Fish 13/41	Fish 0.0005～0.0023	(Fish 0.0005)									
			1997	0/36	0/12	—	(0.2)	0/33	0/11	—	(0.0078)													
			1998													42/42	14/14	39～2,700	(33)					
	Styrene oxide	See Phenyl oxirane																						
	2,4,5-T	See 2,4,5-Trichlorophenoxyacetic acid																						

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^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			
	TBP	See Tri-*n*-butyl phosphate																						
	TBT	See Organotin compounds (Tributyltin compounds)																						
	TBXP	See Tris(butoxyethyl) phosphate																						
	TCA	See Trichloroacetic acid																						
	TCEP	See Tris(2-chloroethyl) phosphate																						
	TCP	See Tritolyl phosphate																						
780	Tellurium and its compounds (as Tellurium)	13494-80-9	1975	20/80	4/16	10,000～70,000	(2,000～10,000)	20/80	4/16	1,350～4,780	(800～3,000)	Fish 20/75	Fish 4/12	Fish 620～4,040	(Fish 50～400)									780
			2006	0/12	0/4	－	(0.019)									15/15	5/5	0.019～0.43	(0.016)					
	Telodrine	See Isobenzan																						
781	Terephthalic acid	100-21-0	1975	6/100	3/20	200～700	(20～5,000)																	781
			1983	0/24	0/8	－	(2～50)	0/24	0/8	－	(0.05～0.28)													
			2002	3/69	2/23	0.060～0.12	(0.048)	8/63	4/21	0.010～0.020	(0.0086)													
782	Terephthalonitrile	623-26-7	1981	0/15	0/5	－	(0.1～5)	0/15	0/5	－	(0.001～0.05)													782
783	*o*-Terphenyl	84-15-1	1976	0/68	0/17	－	(0.004～25)	15/63	4/15	0.00075～0.39	(0.00019～0.25)	Fish 0/1	Fish 0/1	Fish －	(Fish 0.05)									783
			1977	0/117	0/39	－	(0.0014～20)	10/117	5/39	0.0012～0.1	(0.00016～1.6)	Fish 0/93	Fish 0/29	Fish －	(Fish 0.000028～0.5)									
			1986		0/18	－			6/18	0.0001～0.0042														
			1987		2/20	0.003～0.007			9/20	0.00003～0.020														
			1988		1/22	0.0008			6/22	0.000023～0.026														
			1989		0/17	－			4/17	0.00006～0.015														
			1990		1/18	0.0011			6/18	0.000028～0.0115														
			1991		0/18	－			5/18	0.000057～0.029														
			1992		0/18	－			7/18	0.000034～0.014														
			1993		0/19	－			9/19	0.000028～0.014														
			1994		0/17	－			5/17	0.000028～0.018														
			1995		0/18	－			4/18	0.000070～0.022														
			1996		0/18	－			4/18	0.000065～0.018														
			1997		0/18	－			7/18	0.000071～0.013														
			1998		0/18	－			5/18	0.00030～0.019														
			1999						4/18	0.00034～0.013														
			2000						5/17	0.00028～0.014														
			2001						3/20	0.00050～0.0051														
784	*m*-Terphenyl	92-06-8	1976	0/68	0/17	－	(0.013～125)	31/63	8/15	0.001～0.21	(0.001～1.25)	Fish 0/1	Fish 0/1	Fish －	(Fish 0.25)									784
			1977	0/117	0/39	－	(0.005～20)	12/117	4/39	0.0021～0.19	(0.00069～1.2)	Fish 1/93	Fish 1/29	Fish 0.0024	(Fish 0.0001～1)									
			1986		1/18	0.01			8/18	0.0002～0.0470														
			1987		1/20	0.0004			17/20	0.00011～0.19														
			1988		0/22	－			10/22	0.000044～0.053														
			1989		0/17	－			10/17	0.00037～0.10														
			1990		1/18	0.005			12/18	0.00014～0.113														
			1991		0/18	－			15/18	0.00042～0.16														
			1992		1/18	0.0028			16/18	0.00033～0.20														
			1993		1/19	0.0017			16/19	0.00039～0.12														
			1994		1/17	0.0074			13/17	0.00044～0.14														
			1995		0/18	－			13/18	0.00073～0.14														
			1996		0/18	－			15/18	0.00062～0.11														
			1997		0/18	－			13/18	0.00054～0.13														
			1998		0/18	－			14/18	0.00063～0.18														
			1999						10/18	0.00057～0.095														
			2000						11/17	0.0011～0.16														
			2001						7/20	0.0023～0.067														
785	*p*-Terphenyl	92-94-4	1976	0/68	0/17	－	(0.025～125)	21/63	6/15	0.001～0.18	(0.001～1.25)	Fish 0/1	Fish 0/1	Fish －	(Fish 0.25)									785
			1977	0/117	0/39	－	(0.01～20)	7/117	3/39	0.0034～0.15	(0.0013～1.2)	Fish 0/93	Fish 0/29	Fish －	(Fish 0.0002～1)									
			1986		0/18	－			5/18	0.0004～0.0714														
			1987		0/20	－			15/20	0.00004～0.095														
			1988		0/22	－			11/22	0.000026～0.042														
			1989		0/17	－			9/17	0.00034～0.059														
			1990		0/18	－			10/18	0.000079～0.0992														
			1991		0/18	－			14/18	0.00022～0.087														
			1992		0/18	－			16/18	0.00016～0.11														
			1993		0/19	－			16/19	0.00016～0.078														
			1994		0/17	－			13/17	0.00024～0.11														
			1995		0/18	－			12/18	0.00011～0.12														
			1996		0/18	－			14/18	0.00026～0.059														
			1997		0/18	－			13/18	0.00050～0.052														
			1998		0/18	－			13/18	0.00011～0.11														
			1999						8/18	0.00025～0.055														
			2000						10/17	0.00054～0.082														
			2001						8/20	0.0012～0.038														
786	Testosterone	58-22-0	2007	0/51	0/17	－	(0.000079)																	786
787	1,3,5,7-Tetraazatricyclo[3.3.1.1(3.7)] decane	100-97-0	1983	0/30	0/10	－	(50～5,000)	0/30	0/10	－	(0.3～14)													787
788	1,2,4,5-Tetrabromobenzene	636-28-2	1981	0/18	0/6	－	(0.01～0.02)	0/18	0/6	－	(0.0002～0.00025)													788
	Tetrabromobiphenyl	See Polybromobiphenyl (Tetrabromobiphenyl																						
	Tetrabromobisphenol A	See 2,2',6,6'-Tetrabromo-4,4'-(propane-2,2-diyl)dipheno																						
789	1,1,2,2-Tetrabromoethane	79-27-6	1976	0/60	0/12	－	(0.2～0.5)	0/40	0/10	－	(0.005～0.013)	Fish 0/20	Fish 0/4	Fish －	(Fish 0.005～0.0065)									789
790	Tetrabromomethane	558-13-4	1981	0/15	0/5	－	(0.004～3)	0/15	0/5	－	(0.00078～0.012)													790
791	2,2',6,6'-Tetrabromo-4,4'-(propane-2,2-diyl)diphenol	79-94-7	1977	0/15	0/7	－	(0.02～0.04)	0/15	0/7	－	(0.0013～0.007)													791
			1987	1/75	1/25	0.05	(0.03)	14/66	6/22	0.002～0.150	(0.002)	Fish 0/75	Fish 0/24	Fish －	(Fish 0.001)									
			1988	0/150	0/50	－	(0.04)	20/130	9/44	0.002～0.108	(0.002)	Fish 0/135	Fish 0/45	Fish －	(Fish 0.001)									
			2000	0/27	0/9	－	(0.090)	0/27	0/9	－	(5.5)	Fish 0/27	Fish 0/9	Fish －	(Fish 20)									

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^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			
			2003					0/186	0/62	—	(5.5)	Bivalves 12/30 Fish 10/70 Birds 0/10	Bivalves 3/6 Fish 5/14 Birds 0/2	Bivalves 0.000035〜0.00016 Fish 0.000033〜0.00015 Birds —	(Bivalves 0.000030) (Fish 0.000030) (Birds 0.000030)									
			2004													0/6	0/2	—	(0.03)					
			2007	1/48	1/48	0.0051	(0.0021)	26/192	13/64	0.00057〜0.0062	(0.00057)	Bivalves 2/31 Fish 7/80 Birds 0/10	Bivalves 1/7 Fish 4/16 Birds 0/2	Bivalves 0.00008〜0.00009 Fish 0.00006〜0.00009 Birds —	(Bivalves 0.00006) (Fish 0.00006) (Birds 0.00006)									
792	2,2',6,6'-Tetra-*tert*-butyl-4,4'-methylenediphenol	118-82-1	2010	1/72	1/24	0.0025	(0.0017)	28/90	12/30	0.00018〜0.012	(0.00018)	6/33	3/11	0.00004〜0.00014	(0.000037)									792
793	1,2,3,4-Tetrachlorobenzene	634-66-2	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)	793
			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 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)									
			1982									Bivalves 0/20 Fish 1/50 Birds 0/9	Bivalves 0/4 Fish 1/10 Birds 0/2	Bivalves — Fish 0.001 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 5/25 Fish 0/65 Birds 0/10	Bivalves 1/5 Fish 0/13 Birds 0/2	Bivalves 0.001〜0.002 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1992									Bivalves 1/30 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)									
			1994									Bivalves 5/30 Fish 0/70 Birds 0/5	Bivalves 1/6 Fish 0/14 Birds 0/1	Bivalves 0.001 Fish — Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996									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)									
			1999													36/37	13/13	0.039〜0.94	(0.015)					
												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)									
			2007													W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.031〜0.95 C.S. 0.033〜0.40	(W.S. 0.0041) (C.S. 0.0041)					
			2009													W.S. 111/111 C.S. 111/111	W.S. 37/37 C.S. 37/37	W.S. 0.021〜0.48 C.S. 0.026〜0.38	(W.S. 0.0032) (C.S. 0.0032)					
794	1,2,3,5-Tetrachlorobenzene	634-90-2	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)	794
			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)									

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^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			
			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)					
												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)									
			2007													W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.007～0.29 C.S. 0.013～0.15	(W.S. 0.0058) (C.S. 0.0058)					
			2009													W.S. 111/111 C.S. 111/111	W.S. 37/37 C.S. 37/37	W.S. 0.0041～0.11 C.S. 0.0093～0.12	(W.S. 0.0034) (C.S. 0.0034)					
795	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)	795
			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)									
			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)	34/35	12/12	0.019～0.40	(0.018)					
			2007													W.S. 78/78 C.S. 75/75	W.S. 26/26 C.S. 25/25	W.S. 0.020～0.39 C.S. 0.017～0.15	(W.S. 0.0056) (C.S. 0.0056)					
			2009													W.S. 111/111 C.S. 111/111	W.S. 37/37 C.S. 37/37	W.S. 0.021～0.15 C.S. 0.0046～0.12	(W.S. 0.0037) (C.S. 0.0037)					
			2011	0/23	0/23	－	(0.012)																	
796	2,2',3,3'-Tetrachloro-4,4'-diaminodiphenylmethane	42240-73-3	1985	0/30	0/10	－	(5)	0/24	0/8	－	(0.8)													796
	3,3',5,5'-Tetrachloro-4,4'-diaminodiphenylmethane	See 4,4'-Methylenebis[2,6-dichloroaniline]																						
797	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)									797
798	Tetrachloroethane (synonym: CFC-112)	76-12-0	2006	0/15	0/5	－	(0.011)																	798
799	Tetrachloroethylene	127-18-4	1974	5/60	1/12	3	(0.2～2)													Precipitation 0/18	0/7	－ppm	(0.0002～0.002)	799
			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													33/45	12/16	14～1,500	(4～120)					
			1980													103/135	22/25	10～1,700	(4～120)					
			1983													107/108	12/12	10～1,500	(8～20)					

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^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			
			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)					W.S. 15/15 C.S. 15/15	W.S. 7/7 C.S. 7/7	W.S. 60～3,300 C.S. 69～8,200	(W.S. 2～250) (C.S. 2～250)					
			1989													31/35	11/12	15～9,300	(1～1,500)					
			1990													136/137	20/20	23～11,000	(16)	Outdoor air 24/24 Indoor air 72/72 Food 55/72	Outdoor air 8/8 Indoor air 8/8 Food 8/8	Outdoor air 57～11,000 ng/m^3 Indoor air 70～21,000 ng/m^3 Food 0.2～2.2ng/g-wet	(Outdoor air 50) (Indoor air 50) (Food 0.2)	
			1991													144/144	21/21	24～13,000	(16)	Outdoor air 27/27 Indoor air 81/81 Food 60/81	Outdoor air 9/9 Indoor air 9/9 Food 9/9	Outdoor air 240～11,000 ng/m^3 Indoor air 170～110,000 ng/m^3 Food 0.2～3.9ng/g-wet	(Outdoor air 50) (Indoor air 50) (Food 0.2)	
			1992													151/158	23/23	65～13,000	(60)	Outdoor air 27/27 Indoor air 78/81 Food 34/81	Outdoor air 9/9 Indoor air 9/9 Food 6/9	Outdoor air 170～13,000 ng/m^3 Indoor air 160～9,200 ng/m^3 Food 0.2～1.3ng/g-wet	(Outdoor air 60) (Indoor air 60) (Food 0.2)	
			1993													117/117	28/28	36～4,800	(10)	Outdoor air 27/27 Indoor air 81/81 Food 36/81	Outdoor air 9/9 Indoor air 9/9 Food 7/9	Outdoor air 160～2,400 ng/m^3 Indoor air 98～59,000 ng/m^3 Food 0.2～4.4ng/g-wet	(Outdoor air 4) (Indoor air 4) (Food 0.2)	
			1994													109/114	28/29	38～5,800	(30)	Outdoor air 26/26 Indoor air 74/81 Food 28/81	Outdoor air 9/9 Indoor air 9/9 Food 4/9	Outdoor air 54～3,100 ng/m^3 Indoor air 100～7,200 ng/m^3 Food 0.2～3.1ng/g-wet	(Outdoor air 50) (Indoor air 100) (Food 0.2)	
			1995													110/111	29/29	11～4,100	(7)	Outdoor air 26/26 Indoor air 75/81 Food 21/81	Outdoor air 9/9 Indoor air 9/9 Food 5/9	Outdoor air 24～4,100 ng/m^3 Indoor air 20～12,000 ng/m^3 Food 0.2～0.6ng/g-wet	(Outdoor air 4) (Indoor air 16) (Food 0.2)	
			1996													121/122	31/31	21～5,800	(21)	Outdoor air 31/32 Indoor air 73/81 Food 2/81	Outdoor air 8/8 Indoor air 9/9 Food 2/9	Outdoor air 100～2,700 ng/m^3 Indoor air 59～8,400 ng/m^3 Food 0.7～3.2ng/g-wet	(Outdoor air 21) (Indoor air 50) (Food 0.5)	
			1997																	Indoor air 79/79 Food 3/81	Indoor air 9/9 Food 3/9	Indoor air 80～14,700 ng/m^3 Food 0.5～2.5ng/g-wet	(Indoor air 10) (Food 0.5)	
			1998																	Indoor air 80/80 Food 7/81	Indoor air 9/9 Food 3/9	Indoor air 70～14,000 ng/m^3 Food 0.3～1.6ng/g-wet	(Indoor air 10) (Food 0.2)	
			1999													37/37	10/10	23～2,300	(10)	Outdoor air 32/32 Indoor air 72/72 Food 10/72	Outdoor air 8/8 Indoor air 8/8 Food 3/8	Outdoor air 23～2,300 ng/m^3 Indoor air 40～9,400 ng/m^3 Food 0.2～1.0ng/g-wet	(Outdoor air 10) (Indoor air 10) (Food 0.2)	
			2000													41/41	11/11	39～1,700	(10)	Outdoor air 30/30 Indoor air 72/72	Outdoor air 8/8 Indoor air 8/8	Outdoor air 59～1,700 ng/m^3 Indoor air 58～23,000 ng/m^3	(Outdoor air 10) (Indoor air 10)	
			2001													40/40	10/10	40～1,700	(10)	Outdoor air 28/28 Indoor air 63/63	Outdoor air 7/7 Indoor air 7/7	Outdoor air 120～1,700 ng/m^3 Indoor air 72～9,900 ng/m^3	(Outdoor air 10) (Indoor air 10)	
	cis-*N*-(1,1,2,2-Tetrachloroethylthio)-4-cyclohexene-1,2-dicarboxamide	See *N*-(1,1,2,2-Tetrachloroethylthio)-1,2,3,6-tetrahydrophthalimide																						
800	*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)													800
801	Tetrachloroisophthalonitrile (synonym: Chlorothalonil or TPN)	1897-45-6	1977	0/3	0/1	—	(10)	0/3	0/1	—	(0.1)													801
			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)																	
802	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)	802
			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 ng/m^3 Indoor air 55～1,200 ng/m^3 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 ng/m^3 Indoor air 70～3,100 ng/m^3 Food 0.3～1.3ng/g-wet	(Outdoor air 10) (Indoor air 10) (Food 0.2)	

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^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			
			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 ng/m^3 Indoor air 41〜2,200 ng/m^3 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 ng/m^3 Indoor air 110〜5,700 ng/m^3 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 ng/m^3 Indoor air 62〜1,400 ng/m^3 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 ng/m^3 Indoor air 160〜12,000 ng/m^3 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 ng/m^3 Indoor air 104〜980 ng/m^3 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 ng/m^3 Indoor air 53〜5,010 ng/m^3 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 ng/m^3 Indoor air 190〜5,600 ng/m^3 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 ng/m^3 Indoor air 260〜990 ng/m^3 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 ng/m^3 Indoor air 150〜1,100 ng/m^3	(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 ng/m^3 Indoor air 190〜1,700 ng/m^3	(Outdoor air 10) (Indoor air 10)	
803	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)													803
			1996	0/33	0/11	—	(0.25)	0/33	0/11	—	(0.009)													
804	Tetraethoxysilan	78-10-4	1992													0/18	0/6	—	(2.5)					804
	Tetraethylthiuram disulfide	See Disulfiram																						
805	1,1,1,2-Tetrafluoroethane (synonym: HCFC-134a)	811-97-2	2003													58/58	20/20	100〜1,800	(7)					805
806	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)					806
	2,2,3,3-Tetrafluoropropionic acid	See Sodium 2,2,3,3-tetrafluoropropionate																						
807	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)													807
808	Tetrahydrofuran	109-99-9	1979	0/33	0/11	—	(0.2〜25)	0/33	0/11	—	(0.0001〜0.033)													808
			1996	0/33	0/11	—	(1)									5/18	2/6	180〜810	(110)					
			2006													9/21	3/7	120〜260	(60)					
809	1,2,3,4-Tetrahydronaphthalene	119-64-2	1977	0/9	0/3	—	(0.1〜1)	0/6	0/2	—	(0.004〜0.1)													809
	Tetrahydronaphthalene	See 1,2,3,4-Tetrahydronaphthalene																						
810	Tetrahydrothiophene-1,1-dioxide	126-33-0	1976	0/60	0/15	—	(0.16〜1)	0/55	0/13	—	(0.007〜0.260)	Fish 0/1	Fish 0/1	Fish —	(Fish 0.02)									810
811	4-(1,1,3,3-Tetramethylbutyl)phenc	140-66-9	1977	0/6	0/2	—	(0.04〜1.5)	2/6	1/2	0.004	(0.004〜0.058)													811
			2005	19/33	7/11	0.0026〜0.024	(0.0019)																	
			2010					30/87	13/29	0.0021〜0.086	(0.0019)													
812	Tetramethyl-thiodicarbonic diamide	97-74-5	1985	0/27	0/9	—	(0.9)	0/27	0/9	—	(0.009)													812
			1992	0/30	0/10	—	(1)	0/30	0/10	—	(0.02)													
813	Tetramethylthiuram disulfide (synonym: Thiuram or Thiram)	137-26-8	1985	0/27	0/9	—	(0.9)	0/27	0/9	—	(0.02)													813
			1992	0/30	0/10	—	(1)																	
	Tetramethylthiuram monosulfide	See Tetramethyl-thiodicarbonic diamide																						
	Tetraphenyltin compound	See Organotin compounds (Tetraphenyltin compound)																						
814	Thallium and its compounds (as	7440-28-0 etc.	1975	28/100	10/20	200〜3,000	(40〜2,000)	47/100	14/20	18〜3,600	(16〜600)	Fish 37/100	Fish 10/20	Fish 5.5〜930	(Fish 1〜200)									814
			2006	12/12	4/4	0.0030〜0.016	(0.0017)									15/15	5/5	0.024〜0.21	(0.002)					
815	Thiabendazole	148-79-8	1986	0/27	0/9	—	(1)	0/27	0/9	—	(0.2)													815
	Thiobencarb	See *S*-(4-chlorobenzyl) *N*,*N*-diethylthiocarbamate																						
816	4,4'-Thiobis[2-(1,1-dimetyletyl)-5-metyl]phenol	96-69-5	1981	0/18	0/6	—	(1〜5)	0/18	0/6	—	(0.01〜0.2)													816
	4,4'-Thiobis (6-*ter*-butyl-3-metylphenol)	See 4,4'-Thiobis[2-(1,1-dimetyletyl)-5-metyl]phenol																						
	Thiometon	See *S*-2- [Ethylthio] ethyl *O*,*O*-dimethyl dithiophosphate																						
	Thiophanate-methyl	See Dimethyl 4,4'-(*o*-phenylene)bis(3-thioallophanate)																						
817	Thiophene	110-02-1	1985	0/24	0/8	—	(0.005)	3/24	1/8	0.0002〜0.0015	(0.0001)													817

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^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			
818	Thiourea	62-56-6	1977	0/6	0/4	—	(1.1〜400)	0/6	0/4	—	(0.055〜1)													818
819	2-Thioxo-3,5-dimethyltetrahydro-2*H*-1,3,5-thiadiazine (synonym: Dazomet)	533-74-4	2007	0/33	0/11	—	(0.420)																	819
	Thiram	See Tetramethylthiuram disulfide																						
	Thiuram	See Tetramethylthiuram disulfide																						
820	*L*-Thyroxine	51-48-9	2010	0/57	0/19	—	(0.00015)																	820
821	Tin and its compounds (as Tin)	7440-31-5 etc.	1974	0/60	0/12	—	(0.05〜6.3)	39/59	8/12	11〜210		Bivalves 14/35 Fish 6/25	Bivalves 3/7 Fish 2/5	Bivalves 4.8〜6.7 Fish 2.3〜3.4										821
822	Titanium and its compounds (as Titanium)	744-32-6 etc.	1975	69/100	15/20	3,000〜700,000	(2,000〜5,000)	100/100	20/20	120,000〜6,800,000		Fish 50/100	Fish 12/17	Fish 20〜3,150	(Fish 50〜100)									822
	TMP	See Trimethyl phosphate																						
	o-Tolidine	See 3,3'-Dimethylbenzidine																						
823	Toluene	108-88-3	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													823
			1985	9/21	3/7	0.10〜0.23	(0.06)	9/21	3/7	0.0004〜0.010	(0.0004)													
			1986	29/91	16/32	0.03〜2.7	(0.03)	46/87	19/31	0.0005〜0.044	(0.0005)	Fish 31/105	Fish 16/33	Fish 0.003〜0.020	(Fish 0.003)									
			1998													42/42	14/14	1,100〜85,000	(80)					
	2,4-Toluenediamine	See 2,4-Diaminotoluene																						
824	Toluene-2,3-diamine	2687-25-4	1978	0/24	0/8	—	(1〜20)	0/24	0/8	—	(0.7〜1.1)													824
825	2-Toluenesulfonamide	88-19-7	1977	0/6	0/2	—	(10)	0/6	0/2	—	(0.005〜0.048)													825
			1992	6/84	2/28	0.27〜0.67	(0.2)	6/84	3/28	0.0099〜0.045	(0.008)													
	o-Toluenesulfonamide	See 2-Toluenesulfonamide																						
826	*p*-Toluenesulfonamide	70-55-3	1992	9/162	3/54	0.52〜0.84	(0.3)	26/162	11/54	0.009〜0.854	(0.0083)													826
	p-Toluenesulfonyl chloride	See 4-Methylbenzenesulfonyl chloride																						
827	*o*-Toluidine	95-53-4	1976	8/68	4/20	0.14〜20	(0.1〜0.6)	27/68	12/20	0.002〜0.072	(0.002〜0.012)													827
			1985													0/72	0/12	—	(0.05 〜150)					
			1998	0/39	0/13	—	(0.08)	7/36	3/12	0.0054〜0.0074	(0.0043)													
			2010	40/96	14/32	0.0019〜0.0080	(0.0019)																	
828	*m*-Toluidine	108-44-1	1976	4/68	3/20	0.096〜0.26	(0.08〜0.2)	32/68	13/20	0.002〜0.056	(0.001〜0.004)													828
			1985													0/72	0/12	—	(0.02〜100)					
			1998	0/39	0/13	—	(0.2)	0/39	0/13	—	(0.01)													
829	*p*-Toluidine	106-49-0	1976	11/68	6/20	0.032〜0.18	(0.02〜0.2)	35/68	14/20	0.0007〜0.090	(0.0004〜0.0008)													829
			1985													0/72	0/12	—	(0.02〜50)					
			1998	0/39	0/13	—	(0.09)	0/36	0/12	—	(0.007)													
			2010	32/84	13/28	0.00051〜0.0029	(0.00050)																	
	p-Toluidine-2-sulfonic acid	See 2-Amino-5-methylbenzenesulfonic acid																						
	2,3-Toluylenediamine	See Toluene-2,3-diamine																						
	2,6-Toluylenediamine	See 2-Methyl-*m*-phenylenediamine																						
830	*m*-Tolyl methylcarbamate (synonym: MTMC)	1129-41-5	1988	0/75	0/25	—	(0.5)	0/69	0/23	—	(0.0103)					1/72	1/12	8.0	(7.0)					830
			1994	0/30	0/10	—	(0.02)	0/30	0/10	—	(0.003)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.003)									
	Toxaphenes	See Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptane																						
	TPN	See Tetrachloroisophthalonitrile																						
831	Triallylamine	102-70-5	1981	0/27	0/9	—	(1〜5)	0/27	0/9	—	(0.01 〜0.02)													831
832	1,3,5-Tribromobenzene	626-39-1	1981	0/18	0/6	—	(0.01〜0.03)	0/18	0/6	—	(0.0002〜0.0003)													832
833	1,3,5-Tribromo-2-(2,3-dibromo-2-methylpropoxy) benzene	36065-30-2	1979	0/21	0/7	—	(0.1〜0.5)	0/21	0/7	—	(0.02〜0.05)													833
834	Tribromomethane	75-25-2	1976	0/60	0/12	—	(0.2〜26)	0/40	0/10	—	(0.005〜0.35)	Fish 0/20	Fish 0/4	Fish —	(Fish 0.005〜0.0065)									834
			1980													0/63	0/12	—	(4〜300)					
835	2,4,6-Tribromophenol	118-79-6	1986	0/33	0/11	—	(0.006)	2/33	1/11	0.0015〜0.0040	(0.0005)													835
			1996	0/33	0/11	—	(0.35)	0/33	0/11	—	(0.009)													
			2004													6/6	2/2	0.03〜0.14	(0.02)					
			2005	15/18	5/6	0.0019〜0.080	(0.00087)																	
	2,4,6-Tribromophenyl (2-methyl-2,3-dibromopropyl) ether	See 1,3,5-Tribromo-2-(2,3-dibromo-2-methylpropoxy) benzene																						
836	Tributylamine	102-82-9	1986	0/30	0/10	—	(3)	0/27	0/9	—	(0.08)													836
	Tri-*n*-butylamine	See Tributylamine																						
837	1,3,5-Tri-*tert*-butylbenzene	1460-02-2	2000	0/39	0/13	—	(0.00031)	0/33	0/11	—	(0.30)	Fish 0/33	Fish 0/11	Fish —	(Fish 0.43)									837
838	2,4,6-Tri-*sec*-butylphenol	5892-47-7	1984	0/30	0/10	—	(0.1〜0.3)	0/30	0/10	—	(0.001〜0.0071)													838
839	2,4,6-Tri-*tert*-butylphenol	732-26-3	1984	0/30	0/10	—	(0.04〜0.08)	3/30	1/10	0.0023〜0.0082	(0.0004〜0.0019)													839
			2001	0/153	0/51	—	(0.020)	2/159	1/53	0.0093〜0.014	(0.0070)													
			2002	0/48	0/16	—	(0.020)	0/57	0/19	—	(0.0065)	Fish 0/21	Fish 0/7	Fish —	(Fish 0.021)									
			2003													0/27	0/9	—	(0.9)					
			2006									Bivalves 0/31 Fish 3/80 Birds 0/10	Bivalves 0/7 Fish 1/16 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)					
			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 — Birds —	(Bivalves 0.0014) (Fish 0.0014) (Birds 0.0014)	W.S. 0/33 C.S. 1/34	W.S. 0/81 C.S. 3/92	W.S. — C.S. 1.1〜1.7	(W.S. 0.22) (C.S. 0.22)					
	Tributyl phosphate	See Tri-*n*-butyl phosphate																						
840	Tri-*n*-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)									840
			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)									

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^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			
			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		Bivalves 1/21 Fish 1/65 Birds 0/10	Bivalves 1/5 Fish 1/13 Birds 0/2	Bivalves 0.01 Fish 0.02 Birds －	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			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		Bivalves 0/30 Fish 1/65 Birds 0/10	Bivalves 0/6 Fish 1/13 Birds 0/2	Bivalves － Fish 0.02 Birds －	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			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		Bivalves 1/30 Fish 0/70 Birds 0/10	Bivalves 1/6 Fish 0/14 Birds 0/2	Bivalves 0.01 Fish － Birds －	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			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													29/40	13/15	0.22～7.5	(0.2)					
					2/18	0.069～0.23			10/18	0.0023～0.038													
			1999						10/18	0.0035～0.053		Bivalves 5/30 Fish 4/70 Birds 0/10	Bivalves 1/6 Fish 1/14 Birds 0/2	Bivalves 0.02～0.03 Fish 0.01 Birds －	(Bivalves 0.01) (Fish 0.01) (Birds 0.01)									
			2000						9/17	0.00061～0.013													
			2001						12/20	0.0021～0.052													
			2006	28/57	10/19	0.010～0.084	(0.010)																	
												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)									
			2008	29/43	29/43	0.0080～0.094	(0.0079)	94/173	41/60	0.00073～0.019	(0.00073)	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 Dimethy 2,2,2-trichloro-1-hydroxyethylphosphonate																						
841	Trichloroacetaldehyde	75-87-6	2006	0/21	0/7	－	(0.01)																	841
842	Trichloroacetic acid	76-03-9	1984	0/21	0/7	－	(5)	0/21	0/7	－	(0.02～0.05)													842
843	2,4,5-Trichloroaniline	636-30-6	1981	0/15	0/5	－	(0.001～0.005)	0/15	0/5	－	(0.0002～0.001)													843
844	2,4,6-Trichloroaniline	634-93-5	1981	0/15	0/5	－	(0.001～0.006)	0/15	0/5	－	(0.0002～0.001)													844
845	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)	845
			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)									
			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)									

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^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			
			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)					
846	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)	846
			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)					
847	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)	847
			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)									
			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)									

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^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			
			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)					
848	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)									848
			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)									
			1995		0/18	—			3/17	0.00023〜0.013		Bivalves 5/30 Fish 33/70 Birds 1/10	Bivalves 1/6 Fish 9/14 Birds 1/2	Bivalves 0.020〜0.024 Fish 0.001〜0.044 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1996		0/18	—			2/17	0.000154〜0.0050		Bivalves 0/30 Fish 38/70 Birds 0/10	Bivalves 0/6 Fish 10/14 Birds 0/2	Bivalves — Fish 0.001〜0.035 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1997		0/18	—			1/18	0.00757		Bivalves 0/30 Fish 26/70 Birds 0/10	Bivalves 0/6 Fish 7/14 Birds 0/2	Bivalves — Fish 0.001〜0.047 Birds —	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1998		0/18	—			3/18	0.00028〜0.0057		Bivalves 0/30 Fish 35/70 Birds 6/10	Bivalves 0/6 Fish 9/14 Birds 2/2	Bivalves — Fish 0.001〜0.005 Birds 0.001〜0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			1999						2/18	0.0018		Bivalves 1/30 Fish 15/70 Birds 5/10	Bivalves 1/6 Fish 6/14 Birds 1/2	Bivalves 0.001 Fish 0.001〜0.026 Birds 0.001〜0.002	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2000						4/17	0.00020〜0.0059		Bivalves 4/30 Fish 16/69 Birds 2/10	Bivalves 1/6 Fish 5/14 Birds 1/2	Bivalves 0.001 Fish 0.001〜0.018 Birds 0.001	(Bivalves 0.001) (Fish 0.001) (Birds 0.001)									
			2001						3/20	0.00017〜0.0032		Bivalves 5/30 Fish 23/72 Birds 3/10	Bivalves 1/6 Fish 6/15 Birds 2/2	Bivalves 0.001 Fish 0.001〜0.036 Birds 0.001〜0.002	(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^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			
			2002	114/114	38/38	0.00000025～0.00044	(0.0000002)	189/189	63/63	0.000005～0.097	(0.000002)	Bivalves 38/38 Fish 70/70 Birds 10/10	Bivalves 8/8 Fish 14/14 Birds 2/2	Bivalves 0.000038～0.0012 Fish 0.0000068～0.024 Birds 0.000076～0.0013	(Bivalves 0.0000014) (Fish 0.0000014) (Birds 0.0000014)	102/102	34/34	0.00025～0.022	(0.00008)					
			2003	36/36	36/36	0.0000028～0.00074	(0.0000009)	186/186	62/62	0.000003～0.055	(0.0000004)	Bivalves 30/30 Fish 70/70 Birds 10/10	Bivalves 6/6 Fish 14/14 Birds 2/2	Bivalves 0.000049～0.0018 Fish 0.0000037～0.0019 Birds 0.00018～0.0014	(Bivalves 0.0000035) (Fish 0.0000035) (Birds 0.0000035)	W.S. 35/35 C.S. 34/34	W.S. 35/35 C.S. 34/34	W.S. 0.00075～0.024 C.S. 0.00031～0.011	(W.S. 0.000046) (C.S. 0.000046)					
			2004	36/38	36/38	0.000002～0.00031	(0.000002)	189/189	63/63	0.000007～0.098	(0.0000005)	Bivalves 31/31 Fish 70/70 Birds 10/10	Bivalves 7/7 Fish 14/14 Birds 2/2	Bivalves 0.000048～0.0026 Fish 0.0000055～0.053 Birds 0.00016～0.00070	(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. 0.00041～0.037 C.S. 0.00029～0.013	(W.S. 0.000074) (C.S. 0.000074)					
			2005	47/47	47/47	0.000001～0.00011	(0.000001)	189/189	63/63	0.0000051～1.7	(0.00000034)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000066～0.0013 Fish 0.0000038～0.0084 Birds 0.00018～0.00090	(Bivalves 0.0000017) (Fish 0.0000017) (Birds 0.0000017)	W.S. 37/37 C.S. 37/37	W.S. 37/37 C.S. 37/37	W.S. 0.00044～0.031 C.S. 0.00025～0.0048	(W.S. 0.000054) (C.S. 0.000054)					
			2006	48/48	48/48	0.0000016～0.00017	(0.0000006)	192/192	64/64	0.0000045～0.13	(0.0000005)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000056～0.0011 Fish 0.000005～0.0030 Birds 0.00011～0.0018	(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. 0.00035～0.051 C.S. 0.00029～0.0073	(W.S. 0.00006) (C.S. 0.00006)					
			2007	46/48	46/48	0.0000006～0.00067	(0.0000006)	192/192	64/64	0.000003～0.13	(0.0000005)	Bivalves 31/31 Fish 80/80 Birds 10/10	Bivalves 7/7 Fish 16/16 Birds 2/2	Bivalves 0.000049～0.0012 Fish 0.000009～0.0018 Birds 0.00016～0.0019	(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. 0.00060～0.030 C.S. 0.00023～0.0088	(W.S. 0.00003) (C.S. 0.00003)					
			2008	47/48	47/48	0.0000013～0.0012	(0.0000005)	192/192	64/64	0.0000048～1.4	(0.0000005)	Bivalves 31/31 Fish 85/85 Birds 10/10	Bivalves 7/7 Fish 17/17 Birds 2/2	Bivalves 0.000012～0.0014 Fish 0.000007～0.0029 Birds 0.000056～0.00027	(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. 0.00076～0.027 C.S. 0.00022～0.015	(W.S. 0.00003) (C.S. 0.00003)					
			2009	49/49	49/49	0.00000081～0.00044	(0.00000006)	192/192	64/64	0.0000019～2.1	(0.0000004)	Bivalves 31/31 Fish 90/90 Birds 10/10	Bivalves 7/7 Fish 18/18 Birds 2/2	Bivalves 0.000046～0.0096 Fish 0.000004～0.0020 Birds 0.000085～0.0029	(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. 0.00044～0.028 C.S. 0.00020～0.0080	(W.S. 0.00003) (C.S. 0.00003)					
			2010	49/49	49/49	0.000001～0.0075	(0.0000008)	64/64	64/64	0.0000093～0.22	(0.0000009)	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 6/6 Fish 18/18 Birds 1/2	Bivalves 0.000043～0.00047 Fish 0.000007～0.0021 Birds 0.000015	(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. 0.00028～0.056 C.S. 0.0003～0.016	(W.S. 0.00003) (C.S. 0.00003)					
849	2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol (synonym: Kelthane or Dicofol)	115-32-2	1978	0/24	0/8	—	(0.02～0.2)	0/24	0/8	—	(0.003～0.011)													849
			2004					4/15	2/5	0.0017～0.0064	(0.0012)													
			2006									Bivalves 22/31 Fish 5/80 Birds 0/10	Bivalves 5/7 Fish 1/16 Birds 0/2	Bivalves 0.000050～0.00024 Fish 0.00021～0.00029 Birds —	(Bivalves 0.000036) (Fish 0.000036) (Birds 0.000036)									
			2008	13/48	13/48	0.000013～0.000076	(0.000010)	30/186	13/63	0.000069～0.00046	(0.000063)	Bivalves 28/31 Fish 55/85 Birds 1/10	Bivalves 7/7 Fish 14/17 Birds 1/2	Bivalves 0.00005～0.00021 Fish 0.000049～0.00027 Birds 0.00030	(Bivalves 0.000048) (Fish 0.000048) (Birds 0.000048)									
	1,1,1-Trichloro-2,2-bis(4-methoxyphenyl)ethane	See Methoxychlor																						
850	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)	850
			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)					
851	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)									851
			2001													4/48	3/16	20～27	(20)					
	2,2,2-Trichloro-1,1-ethanediol	See 2,2,2-Trichloroethane-1,1-diol																						
852	2,2,2-Trichloroethane-1,1-diol	302-17-0	1986	0/27	0/9	—	(1)	0/21	0/7	—	(0.006)													852
853	Trichloroethene	79-01-6	1974	1/60	1/12	5	(0.1～5)													Precipitation 0/18	0/7	—ppm	(0.0002～0.005)	853
			1975	75/395	15/79	0.29～12	(0.2～1)													Precipitation 2/114	2/56	0.2～1μg/L	(0.1～1)	
			1979													21/48	8/17	16～5,900	(5～600)					
			1980													64/135	16/25	7～2,000	(5～1,000)					
			1983													88/108	12/12	10～1,500	(10～130)					
			1988	6/51	2/17	0.097～0.11	(0.05～2)	1/51	1/17	0.011	(0.0005～0.05)					W.S. 13/15 C.S. 13/15	W.S. 6/7 C.S. 6/7	W.S. 46～1,900 C.S. 51～8,800	(W.S. 10～2,500) (C.S. 10～2,500)					
			1989													24/38	9/13	27～6,900	(5～500)					
			1990													109/128	19/20	56～8,600	(50)	Outdoor air 20/22 Indoor air 61/72 Food 0/72	Outdoor air 8/8 Indoor air 8/8 Food 0/8	Outdoor air 68～8,600 ng/m^3 Indoor air 68～12,000 ng/m^3 Food —ng/g-wet	(Outdoor air 60) (Indoor air 60) (Food 0.8)	
			1991													109/126	20/20	67～6,600	(62)	Outdoor air 23/23 Indoor air 79/80 Food 3/81	Outdoor air 8/8 Indoor air 9/9 Food 2/9	Outdoor air 98～4,400 ng/m^3 Indoor air 40～17,000 ng/m^3 Food 0.5～1.9ng/g-wet	(Outdoor air 40) (Indoor air 40) (Food 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^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			
			1992													122/139	20/21	54～7,100	(50)	Outdoor air 25/25 Indoor air 76/78 Food 12/81	Outdoor air 9/9 Indoor air 9/9 Food 4/9	Outdoor air 110～7,100 ng/m^3 Indoor air 60～9,200 ng/m^3 Food 0.5～0.8ng/g-wet	(Outdoor air 50) (Indoor air 50) (Food 0.5)	
			1993													99/111	26/27	57～5,600	(50)	Outdoor air 26/26 Indoor air 77/77 Food 6/81	Outdoor air 9/9 Indoor air 9/9 Food 3/9	Outdoor air 22～2,900 ng/m^3 Indoor air 36～10,000 ng/m^3 Food 0.5～1.6ng/g-wet	(Outdoor air 20) (Indoor air 20) (Food 0.5)	
			1994													88/110	25/28	50～8,300	(50)	Outdoor air 24/24 Indoor air 71/72 Food 3/81	Outdoor air 8/8 Indoor air 9/9 Food 1/9	Outdoor air 21～5,600 ng/m^3 Indoor air 46～22,000 ng/m^3 Food 1～1.3ng/g-wet	(Outdoor air 20) (Indoor air 40) (Food 0.5)	
			1995													91/108	25/28	54～7,400	(50)	Outdoor air 22/24 Indoor air 73/76 Food 0/81	Outdoor air 8/8 Indoor air 9/9 Food 0/9	Outdoor air 96～5,900 ng/m^3 Indoor air 20～6,200 ng/m^3 Food —ng/g-wet	(Outdoor air 50) (Indoor air 20) (Food 0.5)	
			1996													104/122	28/31	56～9,150	(50)	Outdoor air 31/32 Indoor air 64/81 Food 2/81	Outdoor air 8/8 Indoor air 8/9 Food 1/9	Outdoor air 62～7,100 ng/m^3 Indoor air 190～12,000 ng/m^3 Food 0.5～0.6ng/g-wet	(Outdoor air 50) (Indoor air 170) (Food 0.5)	
			1997																	Indoor air 75/76 Food 1/81	Indoor air 9/9 Food 1/9	Indoor air 33～22,000 ng/m^3 Food 0.5ng/g-wet	(Indoor air 30) (Food 0.5)	
			1998																	Indoor air 75/79 Food 7/81	Indoor air 9/9 Food 4/9	Indoor air 57～10,000 ng/m^3 Food 0.5～0.9ng/g-wet	(Indoor air 30) (Food 0.5)	
			1999													37/38	10/10	55～5,500	(30)	Outdoor air 31/32 Indoor air 71/71 Food 8/72	Outdoor air 8/8 Indoor air 8/8 Food 1/8	Outdoor air 55～5,500 ng/m^3 Indoor air 49～8,500 ng/m^3 Food 0.5～1.9ng/g-wet	(Outdoor air 30) (Indoor air 30) (Food 0.5)	
			2000													38/41	10/11	48～3,800	(20)	Outdoor air 27/30 Indoor air 68/72	Outdoor air 7/8 Indoor air 8/8	Outdoor air 55～3,800 ng/m^3 Indoor air 39～11,000 ng/m^3	(Outdoor air 20) (Indoor air 30)	
			2001													38/40	10/10	20～3,800	(20)	Outdoor air 27/28 Indoor air 60/63	Outdoor air 7/7 Indoor air 7/7	Outdoor air 25～3,800 ng/m^3 Indoor air 22～6,900 ng/m^3	(Outdoor air 20) (Indoor air 20)	
854	Trichlorofluoromethane	75-69-4	1976													90/115	23/27	2～450	(2.1)					854
			1977													71/97	28/44	20～900	(10～1,000)					
855	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)													855
			1988	0/72	0/24	—	(0.5)	0/72	0/24	—	(0.06)					1/72	1/12	57	(25)					
856	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)													856
	2,4,6-Trichloro-2-nitrobenzene	See 1,3,5-Trichloro-2-nitrobenzene																						
857	Trichloronitromethane (synonym: Chloropicrin)	76-06-2	1979	0/24	0/8	—	(0.005～0.1)	0/24	0/8	—	(0.00025～0.005)													857
			1994	0/45	0/15	—	(0.2)									0/51	0/17	—	(5,000)					
			2003													0/24	0/8	—	(220)					
			2005	0/9	0/1	—	(0.030)																	
			2006									Bivalves & Fish 0/30	Bivalves & Fish 0/10	Bivalves & Fish —	(Bivalves & Fish 0.0003)									
858	2,4,5-Trichlorophenol	95-95-4	1978	0/21	0/7	—	(0.02～0.08)	0/21	0/7	—	(0.001～0.008)													858
			1996	0/33	0/11	—	(0.2)	0/30	0/10	—	(0.0063)													
			2008	0/108	0/36	—	(0.007)																	
859	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)													859
			1996	0/33	0/11	—	(0.15)	1/30	1/11	0.012	(0.009)													
860	2,4,5-Trichlorophenoxyacetic acid	93-76-5	1983	0/45	0/15	—	(0.01～3)	0/45	0/15	—	(0.0002～0.13)													860
			2005	0/126	0/42	—	(0.00038)																	
	2,4,6-Trichlorophenyl-4'-aminophenyl ether	See Chlornitrofen-amino																						
	2,4,6-Trichlorophenyl-4'-nitrophenyl ether	See Chlornitrofen																						
861	1,2,3-Trichloropropane	96-18-4	1976	0/60	0/13	—	(10～20)	0/40	0/11	—	(0.2～2)	Fish 0/10	Fish 0/2	Fish —	(Fish 2.4)									861
			2009													60/60	20/20	1.5～150	(0.076)					
	1,1,2-Trichloro-1,2,2-trifluoroethane	See Trichlorotrifluoroethane																						
862	Trichlorotrifluoroethane	76-13-1	1981	0/27	0/9	—	(0.002～20)	0/27	0/9	—	(0.00002～0.02)													862
			1983													100/100	12/12	3～4,540	(0.3～5)					
863	4,4',4"-Trichlorotrityl alcoho	3010-80-8	2000	0/39	0/13	—	(0.0052)	0/33	0/11	—	(3.2)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.97)									863
	Triclosan	See 5-Chloro-2-(2,4-dichlorophenoxy)phenol																						
	Tricresyl phosphate	See Tritolyl phosphate																						
	Tricyclohexyltin compounds	See Organotin compounds (Tricyclohexyltin compounds)																						
864	Tridecyl alcohol	112-70-9 etc.	1977	0/6	0/2	—	(300)	0/6	0/2	—	(6)													864
865	Triethanolamine	102-71-6	1978	0/12	0/4	—	(0.3～1.3)																	865
866	Triethylamine	121-44-8	1981	0/27	0/9	—	(0.7～2)	0/27	0/9	—	(0.005～0.01)													866
			1991	3/27	1/9	0.39～0.56	(0.2)	15/33	5/11	0.012～0.064	(0.012)													
867	Triethylbipheny	42343-17-9	1976	0/68	0/15	—	(3.5～50)	0/50	0/15	—	(0.5～5.0)	Fish 0/20	Fish 0/9	Fish —	(Fish 0.70～2.0)									867
868	Triethylene glycol ethyl ethe	112-50-5	1988	0/75	0/25	—	(2.2)	0/75	0/25	—	(0.24)													868
	Triethylene glycol methyl ethe	See 2-(2-(2-methoxyethoxy)ethoxy)-ethano																						
869	Triethylenetetramine	112-24-3	2003	0/39	0/13	—	(8)																	869

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^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			
870	Triethyl phosphate	78-40-0	1982	0/42	0/14	—	(0.005〜0.1)	0/42	0/14	—	(0.00025〜0.005)													870
871	*alpha* ,*alpha* ,*alpha* -Trifluoro-2,6-dinitro-*N* ,*N* -dipropyl-*p* -toluidine (synonym: Trifluralin)	1582-09-8	1994	0/30	0/10	—	(0.02)	0/30	0/10	—	(0.0025)	Fish 0/30	Fish 0/10	Fish —	(Fish 0.001)									871
			2005	8/54	2/6	0.0031〜0.0042	(0.0028)					Fish 1/9	Fish 1/3	Fish 0.0025	(Fish 0.00058)									
	Trifluralin	See *alpha* ,*alpha* ,*alpha* -Trifluoro-2,6-dinitro-*N* ,*N* -dipropyl-*p* -toluidine																						
	Trimellitic acid	See 1,2,4-Benzenetricarboxylic acid																						
872	Trimethylamine	75-50-3	1986	0/33	0/11	—	(3)	4/27	3/9	0.13〜0.63	(0.08)													872
			1991													1/48	1/16	150	(150)					
873	1,2,3-Trimethylbenzene	526-73-8	1976	0/20	0/5	—	(0.1)	0/20	0/5	—	(0.01)													873
874	1,2,4-Trimethylbenzene	95-63-6	1976	0/20	0/5	—	(0.1)	0/20	0/5	—	(0.01)													874
			1998													39/42	13/14	370〜10,000	(370)					
			2009	1/90	1/30	0.032	(0.031)																	
875	1,3,5-Trimethylbenzene	108-67-8	1976	0/20	0/5	—	(0.1)	0/20	0/5	—	(0.01)													875
			1998													38/38	13/13	90〜3,200	(40)					
			2009	0/90	0/30	—	(0.044)																	
	Tri(*alpha* -methylbenzyl)phenol	See 2,4,6-Tris(1-phenylethyl)phenol																						
	1,5,5-Trimethyl-1-cyclohexen-3-one	See 3,5,5-Trimethyl-2-cyclohexen-1-one																						
876	3,5,5-Trimethyl-2-cyclohexen-1-one (synonym: Isophorone)	78-59-1	1981	0/36	0/12	—	(0.02〜10)	18/36	6/12	0.0006〜0.0066	(0.0003〜0.2)													876
			1995	6/165	3/55	0.027〜0.048	(0.0235)	97/154	36/52	0.00014〜0.81	(0.00014)	Fish 32/141	Fish 12/45	Fish 0.00023〜0.017	(Fish 0.00021)									
			2008													0/62	0/21	—	(31)					
	2,2,4-Trimethyl-1,2-dihydroquinoline	See 1,2-Dihydro-2,2,4-trimethylquinoline																						
877	Trimethylenediamine	109-76-2	1987	0/87	0/29	—	(0.4)	0/87	0/29	—	(0.19)													877
878	3,5,5-Trimethyl-1-hexanol	3452-97-9	2011													0/24	0/8	—	(730)					878
	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	See 2-Methylpropenoic acid 2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl ester																						
879	2,4,4-trimethyl-1-pentene	107-39-1	1978	0/12	0/4	—	(0.16〜0.3)	0/12	0/4	—	(0.00031〜0.00078)													879
880	Trimethyl phosphate	512-56-1	1982	0/42	0/14	—	(0.02〜0.1)	0/42	0/14	—	(0.0005〜0.005)													880
			1984	0/24	0/8	—	(0.04〜1)	0/24	0/8	—	(0.003〜0.05)													
881	2,4,6-Trinitrotoluene	118-96-7	2006	0/15	0/5	—	(0.0027)																	881
882	Trioctylamine	1116-76-3	1981	0/27	0/9	—	(1)	0/27	0/9	—	(0.005〜0.01)													882
	Trioctyl phosphate	See Tris(2-ethylhexyl) phosphate																						
	Trioctyltin compounds	See Organotin compounds (Trioctyltin compounds)																						
883	Triphenylmethane	519-73-3	1983	0/33	0/11	—	(0.2〜0.4)	0/33	0/11	—	(0.008〜0.041)													883
			2004					1/18	1/6	0.0009	(0.0004)													
884	Triphenyl phosphate	115-86-6	1975	0/100	0/20	—	(0.02〜0.25)	0/100	0/20	—	(0.002〜0.05)	Fish 0/100	Fish 0/19	Fish —	(Fish 0.005〜0.05)									884
			2007													15/15	5/5	0.054〜0.33	(0.041)					
	Triphenyltin compounds	See Organotin compounds (Triphenyltin compounds)																						
	Tripropyltin compounds	See Organotin compounds (Tripropyltin compounds)																						
885	Tris(2-bromoethyl) phosphate	27568-90-7	1984	0/24	0/8	—	(0.13〜1)	0/24	0/8	—	(0.027〜0.07)													885
	Tris(2-butoxyethyl) phosphate	See Tris(butoxyethyl) phosphate																						
886	Tris(butoxyethyl) phosphate	78-51-3	1975	0/100	0/20	—	(0.02〜0.50)	7/80	2/16	0.22〜0.54	(0.002〜0.100)	Fish 0/74	Fish 0/15	Fish —	(Fish 0.004〜0.10)									886
			1978	0/108	0/36	—	(0.005〜1.5)	0/108	0/36	—	(0.0005〜0.15)	Fish 0/93	Fish 0/29	Fish —	(Fish 0.0005〜0.15)									
			1993	12/165	5/55	0.51〜2.8	(0.5)	0/168	0/56	—	(0.098)	Fish 1/156	Fish 1/51	Fish 0.1	(Fish 0.1)	2/48	2/16	50〜100	(50)					
887	Tris(2-chloroethyl) phosphate	115-96-8	1975	8/40	2/8	0.10〜0.34	(0.013〜0.10)	1/20	1/4	0.070	(0.025)	Fish 0/20	Fish 0/3	Fish —	(Fish 0.025)									887
			1978	3/108	1/36	0.09	(0.01〜1)	0/108	0/36	—	(0.001〜0.05)	Fish 9/93	Fish 3/29	Fish 0.005〜0.14	(Fish 0.001〜0.05)									
			1993	36/70	15/24	0.05〜1.2	(0.05)	22/72	10/25	0.005〜0.085	(0.005)	Fish 9/75	Fish 5/25	Fish 0.012〜0.29	(Fish 0.012)	21/39	8/13	1〜7.4	(1)					
			1998													24/37	12/15	0.29〜1.4	(0.24)					
888	Tris(2-chloroethyl) phosphite	140-08-9	1984	0/24	0/8	—	(3〜40)	0/24	0/8	—	(0.07〜8.8)													888
889	Tris-4-chlorophenylmethane	27575-78-6	2000	0/39	0/13	—	(0.0033)	0/39	0/13	—	(1.7)	Fish 0/39	Fish 0/13	Fish —	(Fish 0.44)									889
	Tris-4-chlorophenylmethanol	See 4,4',4"-Trichlorotrityl alcohol																						
890	Tris(2-chloropropyl) phosphate	6145-73-9	1984	0/24	0/8	—	(0.05〜1)	0/24	0/8	—	(0.011〜0.05)													890
891	Tris(2,3-dibromopropyl) phosphate	126-72-7	1975	0/20	0/4	—	(10)	0/20	0/4	—	(0.4)	Fish 0/20	Fish 0/4	Fish —	(Fish 1)									891
	Tris(Dibromopropyl) phosphate	See Tris(2,3-dibromopropyl) phosphate																						
892	Tris(1,3-dichloro-2-propyl) phosphate	13674-87-8	1975	0/100	0/20	—	(0.02〜0.25)	0/100	0/20	—	(0.002〜0.050)	Fish 7/94	Fish 2/19	Fish 0.015〜0.025	(Fish 0.005〜0.050)									892
			1978	0/108	0/36	—	(0.001〜0.5)	0/108	0/36	—	(0.0001〜0.06)	Fish 0/93	Fish 0/29	Fish —	(Fish 0.0001〜0.03)									
			1984	0/24	0/8	—	(0.25〜1)	0/24	0/8	—	(0.03〜0.06)													
			1999	0/42	0/14	—	(0.10)	1/39	1/13	0.0097	(0.008)													
	1,3,5-Tris(1,1-dimethylethyl) benzene	See 1,3,5-Tri-tert-butylbenzene																						
893	Tris(dimethylphenyl) phosphate	25155-23-1	1981	0/63	0/21	—	(0.2)	13/63	5/21	0.07〜3.7	(0.05)													893
			1999	0/42	0/14	—	(0.46)	0/39	0/13	—	(0.035)													
894	Tris(2-ethylhexyl) phosphate	78-42-2	1975	0/100	0/20	—	(0.04〜0.50)	3/100	2/20	0.02〜0.100	(0.005〜0.10)	Fish 0/94	Fish 0/19	Fish —	(Fish 0.01〜0.10)									894
			1981	0/63	0/21	—	(0.01)	43/63	15/21	0.002〜0.07	(0.001〜0.005)													
			1999	0/42	0/14	—	(0.19)	12/39	4/13	0.0051〜0.034	(0.005)													
	1,3,5-Tris(2'-hydroxyethyl) isocyanuric acid	See 1,3,5-Tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(*1H* ,*3H* ,*5H*)-trione																						
895	1,3,5-Tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1*H* ,*3H* ,*5H*)-trione	839-90-7	1979	0/18	0/6	—	(5〜10)	0/18	0/6	—	(0.002〜0.07)													895
	Tris(2-hydroxypropyl)amine	See 1,1',1"-Nitrilotri-2-propanol																						
896	Tris(isopropylphenyl) phosphate	26967-76-0	1978	0/24	0/8	—	(0.05〜2)	3/24	1/8	0.1	(0.01〜0.1)													896
897	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)													897
898	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)									898
			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													8/46	5/16	1.2〜2.6	(1)					
	Trixylenyl phosphate	See Tris(dimethylphenyl) phosphate																						
	Tsumacide	See *m* -Tolyl methylcarbamate																						
	TTBP	See 2,4,6-Tri-*tert* -butylphenol																						
	Vamidothion	See *O* ,*O* -Dimethyl *S* -[2-[1-(*N* -methylcarbamoyl)ethylthio]ethyl] thiophosphate																						
899	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 Fish 0/20	Bivalves 0/4 Fish 0/4	Bivalves — Fish —	(Bivalves 0.1) (Fish 2.5)									899
			2007	15/15	5/5	0.63〜4.6	(0.0024)																	
900	Vinyl acetate	108-05-4	1995	0/33	0/11	—	(5)									4/18	2/6	55〜5,000	(50)					900
			2000													8/42	5/14	120〜5,500	(120)					
901	Vinyl bromide	593-60-2	1981	0/15	0/5	—	(1)	0/15	0/5	—	(0.005〜0.006)													901

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^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			
	Vinyl chloride	See Chloroethylene																						
902	4-Vinyl-1-cyclohexene	100-40-3	2011													0/27	0/9	—	(29)					902
	Vinylidene chloride	See 1,1-Dichloroethene																						
903	2-Vinylpyridine	100-69-6	1991													7/50	4/17	17〜30	(16)					903
			2004													3/18	1/6	6.2〜18	(0.4)					
	XMC	See 3,5-Dimethylphenyl *N*-methylcarbamate																						
904	Xylenes (Total of *m* -Xylene and *p* -Xylene)	108-38-3 106-42-3	1998													42/42	14/14	550〜35,000	(100)					904
904-1	*o* -Xylene	95-47-6	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													904-1
			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													42/42	14/14	330〜9,500	(60)					
904-2	*m* -Xylene	108-38-3	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													904-2
			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)									
904-3	*p* -Xylene	106-42-3	1977	0/3	0/1	—	(2)	0/3	0/1	—	(0.004)													904-3
			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)									
905	2,4-Xylenol	105-67-9	1982	0/33	0/11	—	(0.04〜0.5)	0/33	0/11	—	(0.0002〜0.02)													905
			2007	11/27	5/9	0.0016〜0.0043	(0.0014)																	
			2010					27/27	9/9	0.00009〜0.0025	(0.00009)													
906	2,6-Xylenol	576-26-1	2006	6/18	2/6	0.0009〜0.0034	(0.0005)																	906
907	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)													907
	2,3-Xylidine	See 2,3-Dimethylaniline																						
908	2,4-Xylidine	95-68-1	1977	0/6	0/2	—	(1〜5)	0/6	0/2	—	(0.25〜1)													908
909	2,5-Xylidine	95-78-3	1976	0/68	0/20	—	(0.2〜0.5)	2/68	1/20	0.006 〜0.027	(0.001〜0.004)													909
	3,4-Xylidine	See 3,4-Dimethylaniline																						
	3,5-Xylidine	See 3,5-Dimethylaniline																						
	3,5-Xylyl methylcarbamate	See 3,5-Dimethylphenyl *N*-methylcarbamate																						
910	Zinc and its compounds (as Zinc)	7440-66-6 etc.	1978									Bivalves 10/10 Fish 30/30 Birds 6/6	Bivalves 2/2 Fish 6/6 Birds 1/1	Bivalves 20.4〜30.4 Fish 2.87〜7.37 Birds 8.54〜9.38												910
			1979									Bivalves 15/15 Fish 40/40 Birds 6/6	Bivalves 3/3 Fish 8/8 Birds 1/1	Bivalves 15.7〜43.0 Fish 3.24〜8.88 Birds 8.54〜9.24	(Bivalves 0.05) (Fish 0.05) (Birds 0.05)											
			1980									Birds 8/8	Birds 1/1	Birds 7.29〜9.59	(Birds 0.05)									
911	Zinc pyrithione	13463-41-7	2004	0/15	0/5	—	(0.02)																	911
	Zineb	See *N* ,*N*′- Ethylenebis(dithiocarbamamic 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 perio
(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