

[1] Total PCBs /surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :46/47(Missing value :0)

Detection Frequency (sample) :46/47(Missing value :0)

Detection limit :*5.5

Quantification limit :*16

	stats
Geometric mean	84
Median	79
Maximum	2,400
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	78
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(8)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	50
Akita Pref.	4	Lake Hachiro	73
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	18
Fukushima Pref.	6	Onahama Port	120
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	74
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	130
Saitama Pref.	9	Akigaseshuizeki of Riv. Arakawa(Shiki City)	150
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	150
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	360
	12	Mouth of Riv. Sumida(Minato Ward)	1,400
Yokohama City	13	Yokohama Port	310
Kawasaki City	14	Keihin Canal, Port of Kawasaki	640
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	87
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	59
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	480
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	210
Nagano Pref.	19	Lake Suwa(center)	67
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(9)
Aichi Pref.	21	Nagoya Port	360
Mie Pref.	22	Yokkaichi Port	79
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	91
Kyoto Pref.	24	Miyazu Port	tr(10)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	480
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	420
Osaka City	27	Osaka Port	2,400
Hyogo Pref.	28	Offshore of Himeji	73
Kobe City	29	Kobe Port(center)	390
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	100
Okayama Pref.	31	Offshore of Mizushima	46
Hiroshima Pref.	32	Kure Port	160
	33	Hiroshima Bay	54
Yamaguchi Pref.	34	Tokuyama Bay	18
	35	Offshore of Ube	41
	36	Offshore of Hagi	tr(13)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(11)
Kagawa Pref.	38	Takamatsu Port	580
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(7)
Kitakyushu City	40	Dokai Bay	2,200
Saga Pref.	41	Imari Bay	20
Nagasaki Pref.	42	Omura Bay	28
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	150
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	22
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(12)
Okinawa Pref.	47	Naha Port	500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[1-1] Monochlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :11/47(Missing value :0)

Detection Frequency (sample) :11/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.7

	stats
Geometric mean	nd
Median	nd
Maximum	20
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	2.6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	0.7
	12	Mouth of Riv. Sumida(Minato Ward)	0.8
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(0.6)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	20
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	13
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(0.4)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	tr(0.3)
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	5.5
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(0.3)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.3)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-2] Dichlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :1.1

Quantification limit :3.3

	stats
Geometric mean	12
Median	12
Maximum	290
Minimum	tr(2.3)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	14
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(2.9)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	11
Akita Pref.	4	Lake Hachiro	3.9
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	9.3
Fukushima Pref.	6	Onahama Port	23
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	13
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	38
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	27
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	20
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	28
	12	Mouth of Riv. Sumida(Minato Ward)	45
Yokohama City	13	Yokohama Port	28
Kawasaki City	14	Keihin Canal, Port of Kawasaki	26
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	9.2
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	14
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	84
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	29
Nagano Pref.	19	Lake Suwa(center)	11
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(2.8)
Aichi Pref.	21	Nagoya Port	22
Mie Pref.	22	Yokkaichi Port	21
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	4.8
Kyoto Pref.	24	Miyazu Port	4.1
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	61
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	37
Osaka City	27	Osaka Port	290
Hyogo Pref.	28	Offshore of Himeji	8.3
Kobe City	29	Kobe Port(center)	13
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	14
Okayama Pref.	31	Offshore of Mizushima	8.4
Hiroshima Pref.	32	Kure Port	5.1
	33	Hiroshima Bay	4.4
Yamaguchi Pref.	34	Tokuyama Bay	3.6
	35	Offshore of Ube	6.0
	36	Offshore of Hagi	3.4
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(2.3)
Kagawa Pref.	38	Takamatsu Port	16
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(2.3)
Kitakyushu City	40	Dokai Bay	53
Saga Pref.	41	Imari Bay	4.3
Nagasaki Pref.	42	Omura Bay	7.0
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	12
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	3.5
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(2.4)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(2.9)
Okinawa Pref.	47	Naha Port	23

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-3] Trichlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.5

	stats
Geometric mean	16
Median	15
Maximum	950
Minimum	tr(0.6)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	15
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	1.8
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	11
Akita Pref.	4	Lake Hachiro	4.2
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(1.3)
Fukushima Pref.	6	Onahama Port	34
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	15
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	25
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	36
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	33
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	79
	12	Mouth of Riv. Sumida(Minato Ward)	310
Yokohama City	13	Yokohama Port	57
Kawasaki City	14	Keihin Canal, Port of Kawasaki	110
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	4.9
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	190
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	59
Nagano Pref.	19	Lake Suwa(center)	4.8
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(1.3)
Aichi Pref.	21	Nagoya Port	62
Mie Pref.	22	Yokkaichi Port	14
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	8.2
Kyoto Pref.	24	Miyazu Port	2.0
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	100
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	100
Osaka City	27	Osaka Port	950
Hyogo Pref.	28	Offshore of Himeji	20
Kobe City	29	Kobe Port(center)	62
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	22
Okayama Pref.	31	Offshore of Mizushima	8.4
Hiroshima Pref.	32	Kure Port	16
	33	Hiroshima Bay	10
Yamaguchi Pref.	34	Tokuyama Bay	3.0
	35	Offshore of Ube	10
	36	Offshore of Hagi	2.5
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	3.7
Kagawa Pref.	38	Takamatsu Port	130
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(1.3)
Kitakyushu City	40	Dokai Bay	290
Saga Pref.	41	Imari Bay	3.2
Nagasaki Pref.	42	Omura Bay	12
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	24
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(1.4)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(0.6)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.8
Okinawa Pref.	47	Naha Port	74

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-4] Tetrachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :46/47(Missing value :0)

Detection Frequency (sample) :46/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.2

	stats
Geometric mean	20
Median	21
Maximum	910
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	18
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(0.8)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	12
Akita Pref.	4	Lake Hachiro	11
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	1.4
Fukushima Pref.	6	Onahama Port	31
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	27
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	36
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	37
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	54
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	120
	12	Mouth of Riv. Sumida(Minato Ward)	720
Yokohama City	13	Yokohama Port	120
Kawasaki City	14	Keihin Canal, Port of Kawasaki	250
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	21
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	9.0
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	150
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	92
Nagano Pref.	19	Lake Suwa(center)	16
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	2.6
Aichi Pref.	21	Nagoya Port	150
Mie Pref.	22	Yokkaichi Port	16
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	21
Kyoto Pref.	24	Miyazu Port	tr(0.9)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	120
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	140
Osaka City	27	Osaka Port	720
Hyogo Pref.	28	Offshore of Himeji	21
Kobe City	29	Kobe Port(center)	130
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	27
Okayama Pref.	31	Offshore of Mizushima	13
Hiroshima Pref.	32	Kure Port	34
	33	Hiroshima Bay	14
Yamaguchi Pref.	34	Tokuyama Bay	2.5
	35	Offshore of Ube	12
	36	Offshore of Hagi	1.2
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	2.3
Kagawa Pref.	38	Takamatsu Port	240
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(0.9)
Kitakyushu City	40	Dokai Bay	910
Saga Pref.	41	Imari Bay	4.8
Nagasaki Pref.	42	Omura Bay	4.9
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	42
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	2.1
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.9
Okinawa Pref.	47	Naha Port	120

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :24/47(Missing value :0)

Detection Frequency (sample) :24/47(Missing value :0)

Detection limit :0.4

Quantification limit :1.1

	stats
Geometric mean	tr(0.5)
Median	tr(0.5)
Maximum	9.0
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(0.5)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.5)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.6)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.7)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(0.5)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(0.7)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	3.2
	12	Mouth of Riv. Sumida(Minato Ward)	7.6
Yokohama City	13	Yokohama Port	1.2
Kawasaki City	14	Keihin Canal, Port of Kawasaki	2.7
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(0.5)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	1.4
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1.5
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(0.5)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	2.0
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	1.1
Osaka City	27	Osaka Port	6.4
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	1.7
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(0.5)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	1.4
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	2.9
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	9.0
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(1.0)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	1.1

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sample)

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :0/47(Missing value :0)

Detection Frequency (sample) :0/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.2

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-5] Pentachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.4

Quantification limit :1.1

	stats
Geometric mean	20
Median	21
Maximum	790
Minimum	2.0

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	20
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	2.0
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	10
Akita Pref.	4	Lake Hachiro	33
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	5.7
Fukushima Pref.	6	Onahama Port	21
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	14
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	20
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	32
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	30
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	83
	12	Mouth of Riv. Sumida(Minato Ward)	260
Yokohama City	13	Yokohama Port	61
Kawasaki City	14	Keihin Canal, Port of Kawasaki	170
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	30
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	9.1
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	33
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	23
Nagano Pref.	19	Lake Suwa(center)	23
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	2.3
Aichi Pref.	21	Nagoya Port	94
Mie Pref.	22	Yokkaichi Port	17
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	35
Kyoto Pref.	24	Miyazu Port	2.3
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	130
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	82
Osaka City	27	Osaka Port	280
Hyogo Pref.	28	Offshore of Himeji	16
Kobe City	29	Kobe Port(center)	100
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	27
Okayama Pref.	31	Offshore of Mizushima	7.6
Hiroshima Pref.	32	Kure Port	46
	33	Hiroshima Bay	16
Yamaguchi Pref.	34	Tokuyama Bay	3.4
	35	Offshore of Ube	7.3
	36	Offshore of Hagi	2.3
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	2.5
Kagawa Pref.	38	Takamatsu Port	110
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	2.6
Kitakyushu City	40	Dokai Bay	790
Saga Pref.	41	Imari Bay	4.5
Nagasaki Pref.	42	Omura Bay	2.7
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	45
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	8.5
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	2.0
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	3.9
Okinawa Pref.	47	Naha Port	90

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :37/47(Missing value :0)

Detection Frequency (sample) :37/47(Missing value :0)

Detection limit :0.4

Quantification limit :0.9

	stats
Geometric mean	1.2
Median	1.2
Maximum	78
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.5
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(0.6)
Akita Pref.	4	Lake Hachiro	2.0
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	1.6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(0.7)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	1.8
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	2.0
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	1.8
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	2.7
	12	Mouth of Riv. Sumida(Minato Ward)	10
Yokohama City	13	Yokohama Port	2.7
Kawasaki City	14	Keihin Canal, Port of Kawasaki	8.2
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	2.0
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(0.7)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	2.2
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	1.0
Nagano Pref.	19	Lake Suwa(center)	1.2
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	4.0
Mie Pref.	22	Yokkaichi Port	tr(0.6)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	2.1
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	6.3
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	4.6
Osaka City	27	Osaka Port	11
Hyogo Pref.	28	Offshore of Himeji	tr(0.8)
Kobe City	29	Kobe Port(center)	3.3
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.6
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	1.1
	33	Hiroshima Bay	tr(0.8)
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	tr(0.4)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	7.7
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	78
Saga Pref.	41	Imari Bay	tr(0.4)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	3.3
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.8)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.5)
Okinawa Pref.	47	Naha Port	2.4

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :6/47(Missing value :0)

Detection Frequency (sample) :6/47(Missing value :0)

Detection limit :0.4

Quantification limit :1.1

	stats
Geometric mean	nd
Median	nd
Maximum	3.6
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	tr(0.5)
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(0.5)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(0.5)
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(0.5)
Osaka City	27	Osaka Port	tr(0.6)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3.6
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-3] 2,3',4,4'-5-Pentachlorobiphenyl (#118)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.7

	stats
Geometric mean	3.0
Median	2.7
Maximum	110
Minimum	tr(0.4)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	3.4
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(0.5)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	2.0
Akita Pref.	4	Lake Hachiro	6.1
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	1.1
Fukushima Pref.	6	Onahama Port	3.6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	1.6
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	2.6
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	4.6
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	3.7
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	6.3
	12	Mouth of Riv. Sumida(Minato Ward)	22
Yokohama City	13	Yokohama Port	6.9
Kawasaki City	14	Keihin Canal, Port of Kawasaki	24
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	5.2
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1.5
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	2.8
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	2.6
Nagano Pref.	19	Lake Suwa(center)	2.7
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	0.7
Aichi Pref.	21	Nagoya Port	11
Mie Pref.	22	Yokkaichi Port	1.5
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	5.7
Kyoto Pref.	24	Miyazu Port	0.7
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	23
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	6.2
Osaka City	27	Osaka Port	18
Hyogo Pref.	28	Offshore of Himeji	2.3
Kobe City	29	Kobe Port(center)	11
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	3.8
Okayama Pref.	31	Offshore of Mizushima	1.4
Hiroshima Pref.	32	Kure Port	4.5
	33	Hiroshima Bay	2.7
Yamaguchi Pref.	34	Tokuyama Bay	0.8
	35	Offshore of Ube	1.2
	36	Offshore of Hagi	tr(0.4)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(0.6)
Kagawa Pref.	38	Takamatsu Port	18
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	0.7
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	0.9
Nagasaki Pref.	42	Omura Bay	tr(0.5)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	7.5
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	1.8
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	0.7
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.1
Okinawa Pref.	47	Naha Port	7.6

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :11/47(Missing value :0)

Detection Frequency (sample) :11/47(Missing value :0)

Detection limit :0.2

Quantification limit :0.5

	stats
Geometric mean	nd
Median	nd
Maximum	3.9
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(0.3)
	12	Mouth of Riv. Sumida(Minato Ward)	0.6
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	0.5
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(0.3)
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.5
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(0.3)
Osaka City	27	Osaka Port	0.8
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	tr(0.2)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
	34	Tokuyama Bay	nd
Yamaguchi Pref.	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	0.5
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3.9
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(0.2)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-5] 3,3',4,4',5-Pentachlorobiphenyl (#126)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.8

	stats
Geometric mean	nd
Median	nd
Maximum	1.0
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	1.0
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-6] Hexachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :41/47(Missing value :0)

Detection Frequency (sample) :41/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	8
Median	8
Maximum	130
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	8
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	5
Akita Pref.	4	Lake Hachiro	19
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	5
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	8
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	17
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	14
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	41
	12	Mouth of Riv. Sumida(Minato Ward)	82
Yokohama City	13	Yokohama Port	31
Kawasaki City	14	Keihin Canal, Port of Kawasaki	66
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	13
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(2)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	16
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	5
Nagano Pref.	19	Lake Suwa(center)	11
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	31
Mie Pref.	22	Yokkaichi Port	8
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	20
Kyoto Pref.	24	Miyazu Port	tr(1)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	61
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	49
Osaka City	27	Osaka Port	130
Hyogo Pref.	28	Offshore of Himeji	7
Kobe City	29	Kobe Port(center)	65
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	12
Okayama Pref.	31	Offshore of Mizushima	6
Hiroshima Pref.	32	Kure Port	44
	33	Hiroshima Bay	9
Yamaguchi Pref.	34	Tokuyama Bay	4
	35	Offshore of Ube	4
	36	Offshore of Hagi	tr(1)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	64
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	120
Saga Pref.	41	Imari Bay	tr(2)
Nagasaki Pref.	42	Omura Bay	tr(1)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	23
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	5
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(2)
Okinawa Pref.	47	Naha Port	120

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :25/47(Missing value :0)

Detection Frequency (sample) :25/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.8

	stats
Geometric mean	tr(0.4)
Median	tr(0.3)
Maximum	2.7
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(0.5)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.3)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.5)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(0.7)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(0.5)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	0.8
	12	Mouth of Riv. Sumida(Minato Ward)	1.7
Yokohama City	13	Yokohama Port	tr(0.5)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	1.5
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(0.6)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	tr(0.5)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.3)
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(0.7)
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(0.7)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1.9
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	1.3
Osaka City	27	Osaka Port	2.7
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	1.0
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(0.5)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.4)
	33	Hiroshima Bay	nd
	34	Tokuyama Bay	nd
Yamaguchi Pref.	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	1.9
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	2.0
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	0.9
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.3)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	1.3

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :11/47(Missing value :0)

Detection Frequency (sample) :11/47(Missing value :0)

Detection limit :0.2

Quantification limit :0.5

	stats
Geometric mean	nd
Median	nd
Maximum	0.7
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(0.2)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(0.3)
	12	Mouth of Riv. Sumida(Minato Ward)	tr(0.4)
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(0.4)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.6
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(0.4)
Osaka City	27	Osaka Port	0.7
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	tr(0.2)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	0.5
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(0.4)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(0.2)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6-3] 2,3',4,4',5,5'-Hexachlorobiphenyl (#167)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :6/47(Missing value :0)

Detection Frequency (sample) :6/47(Missing value :0)

Detection limit :0.8

Quantification limit :1.9

	stats
Geometric mean	nd
Median	nd
Maximum	tr(1.0)
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	tr(0.8)
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(0.8)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(0.9)
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	tr(1.0)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(0.9)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(1.0)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6-4] 3,3',4,4',5,5'-Hexachlorobiphenyl (#169)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :0/47(Missing value :0)

Detection Frequency (sample) :0/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.2

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-7] Heptachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :35/47(Missing value :0)

Detection Frequency (sample) :35/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.7

	stats
Geometric mean	2.0
Median	tr(1.6)
Maximum	58
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(1.0)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(1.5)
Akita Pref.	4	Lake Hachiro	tr(1.6)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.0)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(1.0)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	3.0
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	3.1
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	8.8
	12	Mouth of Riv. Sumida(Minato Ward)	16
Yokohama City	13	Yokohama Port	9.6
Kawasaki City	14	Keihin Canal, Port of Kawasaki	15
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	2.2
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	5.9
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	tr(0.9)
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	4.7
Mie Pref.	22	Yokkaichi Port	2.7
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	1.8
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	9.4
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	10
Osaka City	27	Osaka Port	25
Hyogo Pref.	28	Offshore of Himeji	tr(0.8)
Kobe City	29	Kobe Port(center)	17
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	2.0
Okayama Pref.	31	Offshore of Mizushima	2.1
Hiroshima Pref.	32	Kure Port	15
	33	Hiroshima Bay	tr(1.1)
Yamaguchi Pref.	34	Tokuyama Bay	tr(1.0)
	35	Offshore of Ube	2.1
	36	Offshore of Hagi	tr(1.5)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	15
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	34
Saga Pref.	41	Imari Bay	tr(1.0)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	4.4
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(1.0)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	58

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :20/47(Missing value :0)

Detection Frequency (sample) :20/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.6

	stats
Geometric mean	nd
Median	nd
Maximum	6.2
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.8)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(0.8)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(0.7)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(1.4)
	12	Mouth of Riv. Sumida(Minato Ward)	2.1
Yokohama City	13	Yokohama Port	tr(1.2)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	1.9
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(0.7)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(0.8)
Mie Pref.	22	Yokkaichi Port	tr(0.6)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(0.6)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	2.0
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	1.7
Osaka City	27	Osaka Port	4.2
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	2.2
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	1.6
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	2.1
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3.2
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(1.0)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	6.2

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7-2] 2,2',3,4,4',5,5'-Heptachlorobiphenyl (#180)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :34/47(Missing value :0)

Detection Frequency (sample) :34/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.7

	stats
Geometric mean	tr(1.2)
Median	tr(1.1)
Maximum	22
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(1.0)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(0.8)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.0)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(1.0)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(1.6)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(1.5)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	2.8
	12	Mouth of Riv. Sumida(Minato Ward)	4.9
Yokohama City	13	Yokohama Port	3.7
Kawasaki City	14	Keihin Canal, Port of Kawasaki	5.6
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(1.5)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	2.4
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	tr(0.9)
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	2.2
Mie Pref.	22	Yokkaichi Port	tr(1.5)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(1.2)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	3.8
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	3.8
Osaka City	27	Osaka Port	8.6
Hyogo Pref.	28	Offshore of Himeji	tr(0.8)
Kobe City	29	Kobe Port(center)	6.7
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(1.3)
Okayama Pref.	31	Offshore of Mizushima	tr(1.1)
Hiroshima Pref.	32	Kure Port	5.8
	33	Hiroshima Bay	tr(1.1)
Yamaguchi Pref.	34	Tokuyama Bay	tr(1.0)
	35	Offshore of Ube	tr(1.1)
	36	Offshore of Hagi	tr(0.7)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	4.9
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	11
Saga Pref.	41	Imari Bay	tr(1.0)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	2.3
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(1.0)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	22

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :0/47(Missing value :0)

Detection Frequency (sample) :0/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.8

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-8] Octachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :12/47(Missing value :0)

Detection Frequency (sample) :12/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.9

	stats
Geometric mean	nd
Median	nd
Maximum	9.7
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	1.4
	12	Mouth of Riv. Sumida(Minato Ward)	2.2
Yokohama City	13	Yokohama Port	1.4
Kawasaki City	14	Keihin Canal, Port of Kawasaki	1.7
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	tr(0.4)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	1.5
Osaka City	27	Osaka Port	4.6
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	2.0
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	1.7
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	5.8
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	tr(0.6)
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	9.7

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-9] Nonachlorobiphenyls/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :4/47(Missing value :0)

Detection Frequency (sample) :4/47(Missing value :0)

Detection limit :0.3

Quantification limit :0.8

	stats
Geometric mean	nd
Median	nd
Maximum	1.2
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(0.4)
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	tr(0.5)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	1.2
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.5)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-10] Decachlorobiphenyl/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :6/47(Missing value :0)

Detection Frequency (sample) :6/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.3

	stats
Geometric mean	nd
Median	nd
Maximum	27
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.3
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.9)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(0.8)
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	tr(1.0)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	tr(0.9)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	27
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[2] Hexachlorobenzene/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.8

Quantification limit :2.1

	stats
Geometric mean	12
Median	10
Maximum	180
Minimum	2.9

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	41
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	9.1
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	6.9
Akita Pref.	4	Lake Hachiro	10
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	10
Fukushima Pref.	6	Onahama Port	99
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	110
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	9.7
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	38
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	11
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	150
	12	Mouth of Riv. Sumida(Minato Ward)	14
Yokohama City	13	Yokohama Port	16
Kawasaki City	14	Keihin Canal, Port of Kawasaki	11
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	20
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	14
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	47
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	9.0
Nagano Pref.	19	Lake Suwa(center)	34
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	12
Aichi Pref.	21	Nagoya Port	7.3
Mie Pref.	22	Yokkaichi Port	10
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	13
Kyoto Pref.	24	Miyazu Port	4.1
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	18
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	16
Osaka City	27	Osaka Port	13
Hyogo Pref.	28	Offshore of Himeji	4.0
Kobe City	29	Kobe Port(center)	5.7
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	8.8
Okayama Pref.	31	Offshore of Mizushima	5.5
Hiroshima Pref.	32	Kure Port	2.9
	33	Hiroshima Bay	3.2
Yamaguchi Pref.	34	Tokuyama Bay	5.2
	35	Offshore of Ube	5.5
	36	Offshore of Hagi	4.9
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	6.3
Kagawa Pref.	38	Takamatsu Port	6.5
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	4.3
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	4.3
Nagasaki Pref.	42	Omura Bay	3.6
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	13
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	180
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	7.4
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	9.6
Okinawa Pref.	47	Naha Port	3.7

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[7]Chlordanes/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :*5.6

Quantification limit :*14

	stats
Geometric mean	53
Median	54
Maximum	530
Minimum	tr(8)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	98
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(9)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(8)
Akita Pref.	4	Lake Hachiro	tr(12)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(11)
Fukushima Pref.	6	Onahama Port	26
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	59
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	150
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	210
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	220
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	160
	12	Mouth of Riv. Sumida(Minato Ward)	110
Yokohama City	13	Yokohama Port	120
Kawasaki City	14	Keihin Canal, Port of Kawasaki	59
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	54
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	19
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	270
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	40
Nagano Pref.	19	Lake Suwa(center)	26
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	21
Aichi Pref.	21	Nagoya Port	82
Mie Pref.	22	Yokkaichi Port	75
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	30
Kyoto Pref.	24	Miyazu Port	15
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	280
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	530
Osaka City	27	Osaka Port	160
Hyogo Pref.	28	Offshore of Himeji	28
Kobe City	29	Kobe Port(center)	73
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	82
Okayama Pref.	31	Offshore of Mizushima	18
Hiroshima Pref.	32	Kure Port	20
	33	Hiroshima Bay	33
Yamaguchi Pref.	34	Tokuyama Bay	38
	35	Offshore of Ube	34
	36	Offshore of Hagi	tr(8)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	18
Kagawa Pref.	38	Takamatsu Port	170
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	30
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	23
Nagasaki Pref.	42	Omura Bay	tr(12)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	240
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	110
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	52
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	130
Okinawa Pref.	47	Naha Port	330

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[7-1]cis-Chlordane/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :1

Quantification limit :2

	stats
Geometric mean	19
Median	19
Maximum	210
Minimum	2

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	21
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	3
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	3
Akita Pref.	4	Lake Hachiro	4
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	4
Fukushima Pref.	6	Onahama Port	10
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	23
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	54
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	79
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	81
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	59
	12	Mouth of Riv. Sumida(Minato Ward)	44
Yokohama City	13	Yokohama Port	53
Kawasaki City	14	Keihin Canal, Port of Kawasaki	25
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	18
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	6
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	98
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	15
Nagano Pref.	19	Lake Suwa(center)	10
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	8
Aichi Pref.	21	Nagoya Port	32
Mie Pref.	22	Yokkaichi Port	31
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	12
Kyoto Pref.	24	Miyazu Port	5
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	110
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	210
Osaka City	27	Osaka Port	64
Hyogo Pref.	28	Offshore of Himeji	11
Kobe City	29	Kobe Port(center)	31
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	31
Okayama Pref.	31	Offshore of Mizushima	7
Hiroshima Pref.	32	Kure Port	8
	33	Hiroshima Bay	12
Yamaguchi Pref.	34	Tokuyama Bay	13
	35	Offshore of Ube	12
	36	Offshore of Hagi	2
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	7
Kagawa Pref.	38	Takamatsu Port	59
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	11
Kitakyushu City	40	Dokai Bay	42
Saga Pref.	41	Imari Bay	8
Nagasaki Pref.	42	Omura Bay	4
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	90
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	33
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	19
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	42
Okinawa Pref.	47	Naha Port	120

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[7-2]trans-Chlordane/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	15
Median	15
Maximum	150
Minimum	tr(2)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	52
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(2)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(2)
Akita Pref.	4	Lake Hachiro	4
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	3
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	17
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	42
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	54
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	69
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	44
	12	Mouth of Riv. Sumida(Minato Ward)	32
Yokohama City	13	Yokohama Port	33
Kawasaki City	14	Keihin Canal, Port of Kawasaki	16
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	15
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	5
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	89
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	11
Nagano Pref.	19	Lake Suwa(center)	7
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	5
Aichi Pref.	21	Nagoya Port	22
Mie Pref.	22	Yokkaichi Port	20
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	8
Kyoto Pref.	24	Miyazu Port	5
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	79
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	150
Osaka City	27	Osaka Port	43
Hyogo Pref.	28	Offshore of Himeji	8
Kobe City	29	Kobe Port(center)	21
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	21
Okayama Pref.	31	Offshore of Mizushima	5
Hiroshima Pref.	32	Kure Port	5
	33	Hiroshima Bay	9
Yamaguchi Pref.	34	Tokuyama Bay	12
	35	Offshore of Ube	10
	36	Offshore of Hagi	3
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	5
Kagawa Pref.	38	Takamatsu Port	42
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	9
Kitakyushu City	40	Dokai Bay	32
Saga Pref.	41	Imari Bay	6
Nagasaki Pref.	42	Omura Bay	4
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	69
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	24
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	14
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	32
Okinawa Pref.	47	Naha Port	97

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[7-3]Oxychlordan/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :19/47(Missing value :0)

Detection Frequency (sample) :19/47(Missing value :0)

Detection limit :2

Quantification limit :4

	stats
Geometric mean	nd
Median	nd
Maximum	12
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	6
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	5
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	5
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	4
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(3)
	12	Mouth of Riv. Sumida(Minato Ward)	tr(3)
Yokohama City	13	Yokohama Port	tr(3)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(2)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	5
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	6
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	12
Osaka City	27	Osaka Port	tr(4)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(2)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
	34	Tokuyama Bay	nd
Yamaguchi Pref.	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	5
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(3)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	5
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	4
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	4
Okinawa Pref.	47	Naha Port	6

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[7-4]cis-Nonachlor/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.5

	stats
Geometric mean	4.6
Median	4.6
Maximum	36
Minimum	tr(0.6)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	3.8
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(0.6)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(0.8)
Akita Pref.	4	Lake Hachiro	1.5
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(0.8)
Fukushima Pref.	6	Onahama Port	2.4
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	5.0
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	9.3
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	16
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	16
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	14
	12	Mouth of Riv. Sumida(Minato Ward)	10
Yokohama City	13	Yokohama Port	9.8
Kawasaki City	14	Keihin Canal, Port of Kawasaki	4.7
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	4.6
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(1.4)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	16
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3.0
Nagano Pref.	19	Lake Suwa(center)	2.1
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	2.0
Aichi Pref.	21	Nagoya Port	7.6
Mie Pref.	22	Yokkaichi Port	5.7
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	3.5
Kyoto Pref.	24	Miyazu Port	tr(1.3)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	16
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	36
Osaka City	27	Osaka Port	13
Hyogo Pref.	28	Offshore of Himeji	2.5
Kobe City	29	Kobe Port(center)	5.6
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	6.8
Okayama Pref.	31	Offshore of Mizushima	1.6
Hiroshima Pref.	32	Kure Port	2.4
	33	Hiroshima Bay	3.5
Yamaguchi Pref.	34	Tokuyama Bay	3.0
	35	Offshore of Ube	3.5
	36	Offshore of Hagi	tr(0.6)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(1.4)
Kagawa Pref.	38	Takamatsu Port	19
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	2.4
Kitakyushu City	40	Dokai Bay	9.6
Saga Pref.	41	Imari Bay	2.8
Nagasaki Pref.	42	Omura Bay	tr(1.4)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	23
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	13
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	5.2
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	14
Okinawa Pref.	47	Naha Port	27

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[7-5]trans-Nonachlor/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	13
Median	14
Maximum	120
Minimum	tr(2)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	15
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(3)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(2)
Akita Pref.	4	Lake Hachiro	3
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(3)
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	14
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	41
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	56
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	49
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	37
	12	Mouth of Riv. Sumida(Minato Ward)	25
Yokohama City	13	Yokohama Port	24
Kawasaki City	14	Keihin Canal, Port of Kawasaki	13
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	14
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	6
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	65
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	11
Nagano Pref.	19	Lake Suwa(center)	6
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	6
Aichi Pref.	21	Nagoya Port	20
Mie Pref.	22	Yokkaichi Port	18
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	7
Kyoto Pref.	24	Miyazu Port	4
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	64
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	120
Osaka City	27	Osaka Port	36
Hyogo Pref.	28	Offshore of Himeji	7
Kobe City	29	Kobe Port(center)	15
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	21
Okayama Pref.	31	Offshore of Mizushima	4
Hiroshima Pref.	32	Kure Port	5
	33	Hiroshima Bay	9
Yamaguchi Pref.	34	Tokuyama Bay	10
	35	Offshore of Ube	8
	36	Offshore of Hagi	tr(2)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	5
Kagawa Pref.	38	Takamatsu Port	43
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	8
Kitakyushu City	40	Dokai Bay	24
Saga Pref.	41	Imari Bay	6
Nagasaki Pref.	42	Omura Bay	tr(3)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	56
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	33
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	14
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	37
Okinawa Pref.	47	Naha Port	76

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[8]Heptachlors/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :32/47(Missing value :0)

Detection Frequency (sample) :32/47(Missing value :0)

Detection limit :*2.5

Quantification limit :*6.9

	stats
Geometric mean	tr(4)
Median	tr(4)
Maximum	88
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	88
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(3)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	23
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	12
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	20
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	20
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	21
	12	Mouth of Riv. Sumida(Minato Ward)	22
Yokohama City	13	Yokohama Port	16
Kawasaki City	14	Keihin Canal, Port of Kawasaki	7
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(4)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(3)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	17
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(3)
Nagano Pref.	19	Lake Suwa(center)	tr(3)
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(6)
Mie Pref.	22	Yokkaichi Port	8
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(3)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	22
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	52
Osaka City	27	Osaka Port	11
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	8
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(3)
Okayama Pref.	31	Offshore of Mizushima	tr(3)
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	tr(3)
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	11
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	12
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	24
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(6)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(4)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	12
Okinawa Pref.	47	Naha Port	10

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[8-1]Heptachlor/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :2/47(Missing value :0)

Detection Frequency (sample) :2/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	nd
Median	nd
Maximum	6
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	6
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[8-2]cis-Heptachlor epoxide/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :46/47(Missing value :0)

Detection Frequency (sample) :46/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.6

	stats
Geometric mean	4.7
Median	3.5
Maximum	83
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	83
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(0.8)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(1.2)
Akita Pref.	4	Lake Hachiro	1.6
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	2.4
Fukushima Pref.	6	Onahama Port	1.6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	23
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	12
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	20
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	20
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	21
	12	Mouth of Riv. Sumida(Minato Ward)	22
Yokohama City	13	Yokohama Port	16
Kawasaki City	14	Keihin Canal, Port of Kawasaki	6.6
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	4.5
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	3.2
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	17
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3.1
Nagano Pref.	19	Lake Suwa(center)	3.2
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(1.0)
Aichi Pref.	21	Nagoya Port	5.7
Mie Pref.	22	Yokkaichi Port	8.3
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	2.8
Kyoto Pref.	24	Miyazu Port	tr(0.6)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	22
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	52
Osaka City	27	Osaka Port	11
Hyogo Pref.	28	Offshore of Himeji	1.7
Kobe City	29	Kobe Port(center)	7.5
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	3.4
Okayama Pref.	31	Offshore of Mizushima	2.8
Hiroshima Pref.	32	Kure Port	tr(1.4)
	33	Hiroshima Bay	2.7
Yamaguchi Pref.	34	Tokuyama Bay	tr(1.0)
	35	Offshore of Ube	1.7
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	2.0
Kagawa Pref.	38	Takamatsu Port	11
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(1.3)
Kitakyushu City	40	Dokai Bay	12
Saga Pref.	41	Imari Bay	1.9
Nagasaki Pref.	42	Omura Bay	tr(1.2)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	24
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	5.5
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	3.5
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	12
Okinawa Pref.	47	Naha Port	9.6

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[8-3]trans-Heptachlor epoxide/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :0/47(Missing value :0)

Detection Frequency (sample) :0/47(Missing value :0)

Detection limit :0.9

Quantification limit :2.3

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[11] HCHs (Hexachlorohexanes)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :*2.0

Quantification limit :*5.1

	stats
Geometric mean	190
Median	180
Maximum	2,200
Minimum	23

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	900
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	58
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	150
Akita Pref.	4	Lake Hachiro	750
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	170
Fukushima Pref.	6	Onahama Port	610
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	320
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	160
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	200
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	210
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	300
	12	Mouth of Riv. Sumida(Minato Ward)	220
Yokohama City	13	Yokohama Port	210
Kawasaki City	14	Keihin Canal, Port of Kawasaki	130
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	280
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	43
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	300
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	56
Nagano Pref.	19	Lake Suwa(center)	200
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	59
Aichi Pref.	21	Nagoya Port	230
Mie Pref.	22	Yokkaichi Port	500
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	560
Kyoto Pref.	24	Miyazu Port	87
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	410
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	1,200
Osaka City	27	Osaka Port	1,400
Hyogo Pref.	28	Offshore of Himeji	180
Kobe City	29	Kobe Port(center)	900
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	180
Okayama Pref.	31	Offshore of Mizushima	150
Hiroshima Pref.	32	Kure Port	76
	33	Hiroshima Bay	90
Yamaguchi Pref.	34	Tokuyama Bay	86
	35	Offshore of Ube	160
	36	Offshore of Hagi	39
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	50
Kagawa Pref.	38	Takamatsu Port	520
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	23
Kitakyushu City	40	Dokai Bay	2,200
Saga Pref.	41	Imari Bay	110
Nagasaki Pref.	42	Omura Bay	48
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	290
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	66
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	180
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	170
Okinawa Pref.	47	Naha Port	54

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[11-1] α -HCH• surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.4

Quantification limit :0.9

	stats
Geometric mean	47
Median	45
Maximum	680
Minimum	3.7

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	190
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	8.3
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	45
Akita Pref.	4	Lake Hachiro	200
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	36
Fukushima Pref.	6	Onahama Port	370
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	97
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	33
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	49
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	34
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	78
	12	Mouth of Riv. Sumida(Minato Ward)	61
Yokohama City	13	Yokohama Port	45
Kawasaki City	14	Keihin Canal, Port of Kawasaki	28
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	120
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	12
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	48
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	13
Nagano Pref.	19	Lake Suwa(center)	39
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	13
Aichi Pref.	21	Nagoya Port	64
Mie Pref.	22	Yokkaichi Port	180
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	150
Kyoto Pref.	24	Miyazu Port	25
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	83
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	330
Osaka City	27	Osaka Port	680
Hyogo Pref.	28	Offshore of Himeji	35
Kobe City	29	Kobe Port(center)	440
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	69
Okayama Pref.	31	Offshore of Mizushima	61
Hiroshima Pref.	32	Kure Port	18
	33	Hiroshima Bay	19
Yamaguchi Pref.	34	Tokuyama Bay	21
	35	Offshore of Ube	69
	36	Offshore of Hagi	3.7
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	22
Kagawa Pref.	38	Takamatsu Port	180
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	7.4
Kitakyushu City	40	Dokai Bay	500
Saga Pref.	41	Imari Bay	25
Nagasaki Pref.	42	Omura Bay	10
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	64
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	10
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	46
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	12
Okinawa Pref.	47	Naha Port	12

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[11-2] β -HCH• surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.7

Quantification limit :1.8

	stats
Geometric mean	100
Median	110
Maximum	830
Minimum	12

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	620
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	19
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	90
Akita Pref.	4	Lake Hachiro	460
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	110
Fukushima Pref.	6	Onahama Port	180
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	180
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	75
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	120
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	140
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	190
	12	Mouth of Riv. Sumida(Minato Ward)	130
Yokohama City	13	Yokohama Port	140
Kawasaki City	14	Keihin Canal, Port of Kawasaki	84
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	110
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	24
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	180
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	16
Nagano Pref.	19	Lake Suwa(center)	130
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	35
Aichi Pref.	21	Nagoya Port	140
Mie Pref.	22	Yokkaichi Port	180
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	350
Kyoto Pref.	24	Miyazu Port	51
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	260
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	640
Osaka City	27	Osaka Port	490
Hyogo Pref.	28	Offshore of Himeji	110
Kobe City	29	Kobe Port(center)	290
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	90
Okayama Pref.	31	Offshore of Mizushima	61
Hiroshima Pref.	32	Kure Port	51
	33	Hiroshima Bay	62
Yamaguchi Pref.	34	Tokuyama Bay	60
	35	Offshore of Ube	71
	36	Offshore of Hagi	33
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	20
Kagawa Pref.	38	Takamatsu Port	200
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	12
Kitakyushu City	40	Dokai Bay	830
Saga Pref.	41	Imari Bay	72
Nagasaki Pref.	42	Omura Bay	34
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	190
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	46
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	110
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	140
Okinawa Pref.	47	Naha Port	36

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[11-3] γ -HCH(synonym:Lindane)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.5

Quantification limit :1.4

	stats
Geometric mean	17
Median	16
Maximum	190
Minimum	2.1

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	46
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	6.9
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	11
Akita Pref.	4	Lake Hachiro	44
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	8.2
Fukushima Pref.	6	Onahama Port	43
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	25
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	40
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	17
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	28
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	19
	12	Mouth of Riv. Sumida(Minato Ward)	25
Yokohama City	13	Yokohama Port	20
Kawasaki City	14	Keihin Canal, Port of Kawasaki	12
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	36
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	4.0
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	59
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	5.5
Nagano Pref.	19	Lake Suwa(center)	15
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	9.2
Aichi Pref.	21	Nagoya Port	19
Mie Pref.	22	Yokkaichi Port	88
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	37
Kyoto Pref.	24	Miyazu Port	9.0
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	50
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	190
Osaka City	27	Osaka Port	180
Hyogo Pref.	28	Offshore of Himeji	14
Kobe City	29	Kobe Port(center)	130
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	16
Okayama Pref.	31	Offshore of Mizushima	19
Hiroshima Pref.	32	Kure Port	6.4
	33	Hiroshima Bay	7.4
Yamaguchi Pref.	34	Tokuyama Bay	4.0
	35	Offshore of Ube	15
	36	Offshore of Hagi	2.1
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	5.9
Kagawa Pref.	38	Takamatsu Port	99
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	2.3
Kitakyushu City	40	Dokai Bay	190
Saga Pref.	41	Imari Bay	6.5
Nagasaki Pref.	42	Omura Bay	2.8
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	19
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	5.6
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	13
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	7.7
Okinawa Pref.	47	Naha Port	5.2

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[11-4] δ -HCH• surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.4

Quantification limit :1.0

	stats
Geometric mean	8.2
Median	8.2
Maximum	690
Minimum	tr(0.4)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	45
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	24
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	6.6
Akita Pref.	4	Lake Hachiro	44
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	11
Fukushima Pref.	6	Onahama Port	20
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	17
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	7.6
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	11
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	4.0
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	11
	12	Mouth of Riv. Sumida(Minato Ward)	6.7
Yokohama City	13	Yokohama Port	4.8
Kawasaki City	14	Keihin Canal, Port of Kawasaki	2.4
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	3.1
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	13
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	22
Nagano Pref.	19	Lake Suwa(center)	12
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	2.2
Aichi Pref.	21	Nagoya Port	8.3
Mie Pref.	22	Yokkaichi Port	51
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	19
Kyoto Pref.	24	Miyazu Port	2.1
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	14
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	43
Osaka City	27	Osaka Port	76
Hyogo Pref.	28	Offshore of Himeji	20
Kobe City	29	Kobe Port(center)	45
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	6.6
Okayama Pref.	31	Offshore of Mizushima	5.1
Hiroshima Pref.	32	Kure Port	1.1
	33	Hiroshima Bay	1.9
Yamaguchi Pref.	34	Tokuyama Bay	1.0
	35	Offshore of Ube	4.5
	36	Offshore of Hagi	tr(0.4)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	2.2
Kagawa Pref.	38	Takamatsu Port	43
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	1.2
Kitakyushu City	40	Dokai Bay	690
Saga Pref.	41	Imari Bay	5.4
Nagasaki Pref.	42	Omura Bay	tr(0.8)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	18
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	4.0
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	8.2
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	7.2
Okinawa Pref.	47	Naha Port	tr(0.9)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[14] Polybromodiphenyl ethers(Br4~Br10• surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :41/47(Missing value :0)

Detection Frequency (sample) :41/47(Missing value :0)

Detection limit :*24

Quantification limit :*66

	stats
Geometric mean	150
Median	250
Maximum	4,600
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	250
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(65)
Akita Pref.	4	Lake Hachiro	66
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	390
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	950
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	320
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	800
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	250
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	1,400
	12	Mouth of Riv. Sumida(Minato Ward)	290
Yokohama City	13	Yokohama Port	tr(54)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	130
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	890
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	170
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	420
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	73
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1,900
Mie Pref.	22	Yokkaichi Port	270
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	74
Kyoto Pref.	24	Miyazu Port	96
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1,000
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	4,600
Osaka City	27	Osaka Port	1,300
Hyogo Pref.	28	Offshore of Himeji	81
Kobe City	29	Kobe Port(center)	77
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	430
Okayama Pref.	31	Offshore of Mizushima	tr(48)
Hiroshima Pref.	32	Kure Port	260
	33	Hiroshima Bay	600
Yamaguchi Pref.	34	Tokuyama Bay	1,500
	35	Offshore of Ube	87
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	610
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(24)
Kitakyushu City	40	Dokai Bay	470
Saga Pref.	41	Imari Bay	tr(62)
Nagasaki Pref.	42	Omura Bay	130
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	280
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	320
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(31)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	370
Okinawa Pref.	47	Naha Port	210

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[14-1] Tetrabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :44/47(Missing value :0)

Detection Frequency (sample) :44/47(Missing value :0)

Detection limit :3

Quantification limit :9

	stats
Geometric mean	tr(4)
Median	tr(4)
Maximum	12
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(6)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(4)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(4)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(4)
Fukushima Pref.	6	Onahama Port	tr(6)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(5)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(6)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(7)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(4)
	12	Mouth of Riv. Sumida(Minato Ward)	tr(7)
Yokohama City	13	Yokohama Port	tr(6)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(3)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(4)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(3)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	tr(8)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(3)
Aichi Pref.	21	Nagoya Port	tr(4)
Mie Pref.	22	Yokkaichi Port	tr(5)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(3)
Kyoto Pref.	24	Miyazu Port	tr(3)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(7)
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(8)
Osaka City	27	Osaka Port	tr(5)
Hyogo Pref.	28	Offshore of Himeji	tr(4)
Kobe City	29	Kobe Port(center)	tr(7)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(4)
Okayama Pref.	31	Offshore of Mizushima	tr(4)
Hiroshima Pref.	32	Kure Port	tr(3)
	33	Hiroshima Bay	tr(3)
Yamaguchi Pref.	34	Tokuyama Bay	tr(4)
	35	Offshore of Ube	tr(3)
	36	Offshore of Hagi	tr(5)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(4)
Kagawa Pref.	38	Takamatsu Port	tr(6)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(4)
Kitakyushu City	40	Dokai Bay	tr(6)
Saga Pref.	41	Imari Bay	tr(5)
Nagasaki Pref.	42	Omura Bay	tr(6)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	12
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(4)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(3)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(4)
Okinawa Pref.	47	Naha Port	tr(4)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-1-1] 2,2',4,4'-Tetrabromodiphenyl ether (#47)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :2

Quantification limit :6

	stats
Geometric mean	tr(4)
Median	tr(4)
Maximum	11
Minimum	tr(3)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	6
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(5)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(4)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(5)
Fukushima Pref.	6	Onahama Port	6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(3)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(5)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	7
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	7
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(5)
	12	Mouth of Riv. Sumida(Minato Ward)	7
Yokohama City	13	Yokohama Port	6
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(3)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(4)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(3)
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	8
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(3)
Nagano Pref.	19	Lake Suwa(center)	tr(3)
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(3)
Aichi Pref.	21	Nagoya Port	tr(3)
Mie Pref.	22	Yokkaichi Port	tr(5)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(3)
Kyoto Pref.	24	Miyazu Port	tr(3)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	7
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	8
Osaka City	27	Osaka Port	6
Hyogo Pref.	28	Offshore of Himeji	tr(5)
Kobe City	29	Kobe Port(center)	7
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(4)
Okayama Pref.	31	Offshore of Mizushima	tr(5)
Hiroshima Pref.	32	Kure Port	tr(3)
	33	Hiroshima Bay	tr(3)
Yamaguchi Pref.	34	Tokuyama Bay	tr(4)
	35	Offshore of Ube	tr(3)
	36	Offshore of Hagi	tr(5)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(4)
Kagawa Pref.	38	Takamatsu Port	6
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(4)
Kitakyushu City	40	Dokai Bay	tr(5)
Saga Pref.	41	Imari Bay	tr(4)
Nagasaki Pref.	42	Omura Bay	tr(5)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	11
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(3)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(3)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(3)
Okinawa Pref.	47	Naha Port	tr(4)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[14-2] Pentabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :24/47(Missing value :0)

Detection Frequency (sample) :24/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	nd
Median	tr(1)
Maximum	8
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(1)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	4
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(2)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(2)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	4
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(1)
	12	Mouth of Riv. Sumida(Minato Ward)	3
Yokohama City	13	Yokohama Port	tr(1)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(1)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(1)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	5
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	3
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(1)
Kyoto Pref.	24	Miyazu Port	tr(1)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(2)
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	3
Osaka City	27	Osaka Port	tr(1)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	8
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	tr(1)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(1)
Kagawa Pref.	38	Takamatsu Port	tr(1)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(1)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	5
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-2-1] 2,2',4,4',5-Pentabromodiphenyl ether (#99)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :40/47(Missing value :0)

Detection Frequency (sample) :40/47(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	tr(1)
Median	tr(1)
Maximum	6
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(2)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(1)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	4
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(2)
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(2)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	4
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(1)
	12	Mouth of Riv. Sumida(Minato Ward)	3
Yokohama City	13	Yokohama Port	tr(1)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	tr(1)
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	tr(1)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	4
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	tr(1)
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(1)
Aichi Pref.	21	Nagoya Port	tr(1)
Mie Pref.	22	Yokkaichi Port	tr(1)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(1)
Kyoto Pref.	24	Miyazu Port	tr(1)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(2)
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	3
Osaka City	27	Osaka Port	tr(2)
Hyogo Pref.	28	Offshore of Himeji	tr(1)
Kobe City	29	Kobe Port(center)	6
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(1)
Okayama Pref.	31	Offshore of Mizushima	tr(1)
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	tr(1)
Yamaguchi Pref.	34	Tokuyama Bay	tr(1)
	35	Offshore of Ube	tr(1)
	36	Offshore of Hagi	tr(1)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(1)
Kagawa Pref.	38	Takamatsu Port	tr(1)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(1)
Kitakyushu City	40	Dokai Bay	tr(1)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	tr(1)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	4
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(1)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(1)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(1)
Okinawa Pref.	47	Naha Port	tr(1)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3] Hexabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :3

Quantification limit :7

	stats
Geometric mean	nd
Median	nd
Maximum	tr(6)
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(6)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-1] 2,2',4,4',5,5'-Hexabromodiphenyl ether (#153)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :3

Quantification limit :7

	stats
Geometric mean	nd
Median	nd
Maximum	tr(4)
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(4)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-2] 2,2',4,4',5,6'-Hexabromodiphenyl ether (#154)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :2/47(Missing value :0)

Detection Frequency (sample) :2/47(Missing value :0)

Detection limit :2

Quantification limit :4

	stats
Geometric mean	nd
Median	nd
Maximum	tr(2)
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(2)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(2)
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-4] Heptabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :5

Quantification limit :14

	stats
Geometric mean	nd
Median	nd
Maximum	30
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	30
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[14-4-1] 2,2',3,3',4,5',6'-Pentabromodiphenyl ether (#175)/surface water (pg/L) and

[14-4-2] 2,2',3,4,4',5',6'-Pentabromodiphenyl ether (#183)/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :5

Quantification limit :14

	stats
Geometric mean	nd
Median	nd
Maximum	30
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	30
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[14-5] Octabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :22/47(Missing value :0)

Detection Frequency (sample) :22/47(Missing value :0)

Detection limit :1

Quantification limit :2

	stats
Geometric mean	tr(2)
Median	nd
Maximum	33
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	8
Ibaraki Pref.	7	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	7
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	5
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	33
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	2
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	19
	12	Mouth of Riv. Sumida(Minato Ward)	11
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	13
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	17
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	8
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	24
Osaka City	27	Osaka Port	10
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	2
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	2
Yamaguchi Pref.	34	Tokuyama Bay	10
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	11
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	7
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	5
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(1)
Okinawa Pref.	47	Naha Port	2

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-6] Nonabromodiphenyl ethers/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :37/47(Missing value :0)

Detection Frequency (sample) :37/47(Missing value :0)

Detection limit :3

Quantification limit :7

	stats
Geometric mean	17
Median	26
Maximum	460
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	26
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(4)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	46
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	100
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	43
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	93
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	27
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	200
	12	Mouth of Riv. Sumida(Minato Ward)	43
Yokohama City	13	Yokohama Port	tr(3)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	17
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	110
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	23
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	62
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	10
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	200
Mie Pref.	22	Yokkaichi Port	35
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	10
Kyoto Pref.	24	Miyazu Port	8
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	120
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	460
Osaka City	27	Osaka Port	170
Hyogo Pref.	28	Offshore of Himeji	10
Kobe City	29	Kobe Port(center)	tr(3)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	60
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	25
	33	Hiroshima Bay	70
Yamaguchi Pref.	34	Tokuyama Bay	180
	35	Offshore of Ube	tr(3)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	93
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	42
Saga Pref.	41	Imari Bay	tr(4)
Nagasaki Pref.	42	Omura Bay	15
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	39
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	47
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	32
Okinawa Pref.	47	Naha Port	28

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-7] Decabromodiphenyl ether/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :46/47(Missing value :0)

Detection Frequency (sample) :46/47(Missing value :0)

Detection limit :8

Quantification limit :24

	stats
Geometric mean	150
Median	210
Maximum	4,100
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	220
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	tr(15)
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	58
Akita Pref.	4	Lake Hachiro	61
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(17)
Fukushima Pref.	6	Onahama Port	330
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	840
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	270
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	630
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	210
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	1,200
	12	Mouth of Riv. Sumida(Minato Ward)	230
Yokohama City	13	Yokohama Port	44
Kawasaki City	14	Keihin Canal, Port of Kawasaki	110
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	770
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	140
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	330
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(23)
Nagano Pref.	19	Lake Suwa(center)	63
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(13)
Aichi Pref.	21	Nagoya Port	1,700
Mie Pref.	22	Yokkaichi Port	230
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	60
Kyoto Pref.	24	Miyazu Port	84
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	900
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	4,100
Osaka City	27	Osaka Port	1,100
Hyogo Pref.	28	Offshore of Himeji	67
Kobe City	29	Kobe Port(center)	59
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	360
Okayama Pref.	31	Offshore of Mizushima	44
Hiroshima Pref.	32	Kure Port	230
	33	Hiroshima Bay	520
Yamaguchi Pref.	34	Tokuyama Bay	1,300
	35	Offshore of Ube	80
	36	Offshore of Hagi	tr(8)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	500
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(20)
Kitakyushu City	40	Dokai Bay	420
Saga Pref.	41	Imari Bay	53
Nagasaki Pref.	42	Omura Bay	110
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	220
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	260
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	28
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	330
Okinawa Pref.	47	Naha Port	180

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[17] Pentachlorobenzene/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :47/47(Missing value :0)

Detection Frequency (sample) :47/47(Missing value :0)

Detection limit :0.6

Quantification limit :1.4

	stats
Geometric mean	8.8
Median	5.9
Maximum	140
Minimum	2.0

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarimakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	39
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	4.8
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	3.3
Akita Pref.	4	Lake Hachiro	11
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	5.9
Fukushima Pref.	6	Onahama Port	36
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	120
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	8.3
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	30
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	16
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	140
	12	Mouth of Riv. Sumida(Minato Ward)	23
Yokohama City	13	Yokohama Port	26
Kawasaki City	14	Keihin Canal, Port of Kawasaki	34
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	19
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	12
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	14
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	4.4
Nagano Pref.	19	Lake Suwa(center)	53
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	3.3
Aichi Pref.	21	Nagoya Port	32
Mie Pref.	22	Yokkaichi Port	5.4
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	5.8
Kyoto Pref.	24	Miyazu Port	2.0
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	37
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	12
Osaka City	27	Osaka Port	12
Hyogo Pref.	28	Offshore of Himeji	3.2
Kobe City	29	Kobe Port(center)	4.6
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	5.3
Okayama Pref.	31	Offshore of Mizushima	2.9
Hiroshima Pref.	32	Kure Port	2.9
	33	Hiroshima Bay	2.9
Yamaguchi Pref.	34	Tokuyama Bay	3.7
	35	Offshore of Ube	3.3
	36	Offshore of Hagi	3.9
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	3.0
Kagawa Pref.	38	Takamatsu Port	6.5
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	2.1
Kitakyushu City	40	Dokai Bay	84
Saga Pref.	41	Imari Bay	3.4
Nagasaki Pref.	42	Omura Bay	2.2
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	8.1
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	6.9
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	2.9
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	4.0
Okinawa Pref.	47	Naha Port	3.3

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

[22]Pentachlorophenol and its salts and esters/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :42/47(Missing value :0)

Detection Frequency (sample) :42/47(Missing value :0)

Detection limit :*15

Quantification limit :*44

	stats
Geometric mean	95
Median	110
Maximum	3,600
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,600
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	470
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	130
Fukushima Pref.	6	Onahama Port	62
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	410
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	3,600
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	130
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	520
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	1,100
	12	Mouth of Riv. Sumida(Minato Ward)	270
Yokohama City	13	Yokohama Port	180
Kawasaki City	14	Keihin Canal, Port of Kawasaki	360
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	220
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	250
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	870
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(27)
Nagano Pref.	19	Lake Suwa(center)	62
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(24)
Aichi Pref.	21	Nagoya Port	450
Mie Pref.	22	Yokkaichi Port	420
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	tr(35)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	310
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	940
Osaka City	27	Osaka Port	150
Hyogo Pref.	28	Offshore of Himeji	150
Kobe City	29	Kobe Port(center)	460
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	97
Okayama Pref.	31	Offshore of Mizushima	81
Hiroshima Pref.	32	Kure Port	tr(27)
	33	Hiroshima Bay	tr(22)
Yamaguchi Pref.	34	Tokuyama Bay	tr(16)
	35	Offshore of Ube	tr(26)
	36	Offshore of Hagi	tr(28)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(27)
Kagawa Pref.	38	Takamatsu Port	150
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(26)
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	440
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(38)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(20)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	62
Okinawa Pref.	47	Naha Port	tr(39)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[22-1]Pentachlorophenol/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :43/47(Missing value :0)

Detection Frequency (sample) :43/47(Missing value :0)

Detection limit :10

Quantification limit :30

	stats
Geometric mean	86
Median	110
Maximum	3,500
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	610
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	460
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	120
Fukushima Pref.	6	Onahama Port	62
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	380
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	3,500
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	120
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	470
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	1,100
	12	Mouth of Riv. Sumida(Minato Ward)	260
Yokohama City	13	Yokohama Port	150
Kawasaki City	14	Keihin Canal, Port of Kawasaki	330
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	200
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	230
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	580
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(20)
Nagano Pref.	19	Lake Suwa(center)	62
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	tr(24)
Aichi Pref.	21	Nagoya Port	430
Mie Pref.	22	Yokkaichi Port	410
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(14)
Kyoto Pref.	24	Miyazu Port	35
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	270
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	880
Osaka City	27	Osaka Port	110
Hyogo Pref.	28	Offshore of Himeji	140
Kobe City	29	Kobe Port(center)	440
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	63
Okayama Pref.	31	Offshore of Mizushima	81
Hiroshima Pref.	32	Kure Port	tr(27)
	33	Hiroshima Bay	tr(22)
Yamaguchi Pref.	34	Tokuyama Bay	tr(16)
	35	Offshore of Ube	tr(26)
	36	Offshore of Hagi	tr(22)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(21)
Kagawa Pref.	38	Takamatsu Port	140
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(21)
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	400
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	32
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(14)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	53
Okinawa Pref.	47	Naha Port	31

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[22-2]Pentachloroanisole/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :32/47(Missing value :0)

Detection Frequency (sample) :32/47(Missing value :0)

Detection limit :5

Quantification limit :14

	stats
Geometric mean	tr(10)
Median	tr(8)
Maximum	1,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,000
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(13)
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	tr(10)
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	31
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	150
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(11)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	53
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	43
	12	Mouth of Riv. Sumida(Minato Ward)	tr(11)
Yokohama City	13	Yokohama Port	25
Kawasaki City	14	Keihin Canal, Port of Kawasaki	26
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	21
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	17
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	290
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(7)
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	19
Mie Pref.	22	Yokkaichi Port	tr(7)
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	40
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	58
Osaka City	27	Osaka Port	42
Hyogo Pref.	28	Offshore of Himeji	tr(10)
Kobe City	29	Kobe Port(center)	15
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	34
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	tr(6)
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	tr(6)
Kagawa Pref.	38	Takamatsu Port	tr(7)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	tr(5)
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	36
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(6)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	tr(6)
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(9)
Okinawa Pref.	47	Naha Port	tr(8)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23]Short-chain chlorinated paraffins/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :*3,900

Quantification limit :*11,700

	stats
Geometric mean	nd
Median	nd
Maximum	24,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	24,000
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[23-1]Chlorinated decanes/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :1/47(Missing value :0)

Detection Frequency (sample) :1/47(Missing value :0)

Detection limit :1,100

Quantification limit :3,300

	stats
Geometric mean	nd
Median	nd
Maximum	tr(1,600)
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	tr(1,600)
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-2]Chlorinated undecanes/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :13/47(Missing value :0)

Detection Frequency (sample) :13/47(Missing value :0)

Detection limit :500

Quantification limit :1,500

	stats
Geometric mean	nd
Median	nd
Maximum	3,100
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	tr(500)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	tr(700)
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	tr(1,200)
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	tr(800)
	12	Mouth of Riv. Sumida(Minato Ward)	tr(1,000)
Yokohama City	13	Yokohama Port	tr(700)
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	2,900
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(700)
Osaka City	27	Osaka Port	3,100
Hyogo Pref.	28	Offshore of Himeji	tr(600)
Kobe City	29	Kobe Port(center)	tr(900)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(500)
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(700)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-3]Chlorinated dodecanes/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :4/47(Missing value :0)

Detection Frequency (sample) :4/47(Missing value :0)

Detection limit :1,100

Quantification limit :3,300

	stats
Geometric mean	nd
Median	nd
Maximum	10,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(1,200)
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(1,100)
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	10,000
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(1,300)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-4]Chlorinated tridecanes/surface water (pg/L)

Monitored year :2017

Detection Frequency (site) :7/47(Missing value :0)

Detection Frequency (sample) :7/47(Missing value :0)

Detection limit :1,200

Quantification limit :3,600

	stats
Geometric mean	nd
Median	nd
Maximum	10,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
Iwate Pref.	2	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay(Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Saitama Pref.	9	Akigaseshusuizeki of Riv. Arakawa(Shiki City)	nd
Chiba City	10	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa(Koto Ward)	nd
	12	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa(center)	nd
Shizuoka Pref.	20	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	21	Nagoya Port	tr(1,200)
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa(center, offshore of Karasaki)	tr(1,400)
Kyoto Pref.	24	Miyazu Port	10,000
Kyoto City	25	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato(Sakai City)	tr(1,600)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port(center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(1,400)
Okayama Pref.	31	Offshore of Mizushima	tr(1,200)
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori(Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo(Miyazaki City)	tr(1,400)
Kagoshima Pref.	45	Riv. Amori(Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed sam

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1] Total PCBs /sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :*5.0
 Quantification limit :*14

	stats
Geometric mean	4,600
Median	6,200
Maximum	610,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	140
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	710
	3	Tomakomai Port	6,100
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	200
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	3,900
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	560
Akita Pref.	7	Lake Hachiro	2,900
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	840
Fukushima Pref.	9	Onahama Port	47,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	680
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	250
Chiba Pref.	12	Coast of Ichihara and Anegasaki	29,000
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1,100
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	70,000
	15	Mouth of Riv. Sumida(Minato Ward)	280,000
Yokohama City	16	Yokohama Port	120,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	37,000
	18	Keihin Canal, Port of Kawasaki	260,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	430
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1,000
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	6,200
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	100
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	87
Nagano Pref.	24	Lake Suwa(center)	8,200
Shizuoka Pref.	25	Shimizu Port	24,000
	26	Riv. Tenryu(Iwata City)	130
Aichi Pref.	27	Kinuura Port	18,000
	28	Nagoya Port	28,000
Mie Pref.	29	Yokkaichi Port	26,000
	30	Toba Port	18,000
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	7,200
	32	Lake Biwa(center, offshore of Karasaki)	11,000
Kyoto Pref.	33	Miyazu Port	1,800
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	5,800
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	24,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	39,000
	37	Mouth of Riv. Yodo(Osaka City)	65,000
	38	Osaka Port	610,000
	39	Outside Osaka Port	88,000
Hyogo Pref.	40	Offshore of Himeji	15,000
Kobe City	41	Kobe Port(center)	180,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	660
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1,500
Okayama Pref.	44	Offshore of Mizushima	2,300
Hiroshima Pref.	45	Kure Port	90,000
	46	Hiroshima Bay	20,000
Yamaguchi Pref.	47	Tokuyama Bay	4,600
	48	Offshore of Ube	4,700
	49	Offshore of Hagi	2,800
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	400
Kagawa Pref.	51	Takamatsu Port	130,000
Ehime Pref.	52	Niihama Port	210
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	560
Kitakyushu City	54	Dokai Bay	220,000
Fukuoka City	55	Hakata Bay	7,700
Saga Pref.	56	Imari Bay	6,600
Nagasaki Pref.	57	Omura Bay	7,100
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	1,300
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	37
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	96
Okinawa Pref.	62	Naha Port	140,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[1-1] Monochlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.6

	stats
Geometric mean	38
Median	67
Maximum	1,600
Minimum	tr(0.4)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	1.2
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	2.9
	3	Tomakomai Port	51
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.7
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	130
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	1.0
Akita Pref.	7	Lake Hachiro	25
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	2.3
Fukushima Pref.	9	Onahama Port	460
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	16
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.8
Chiba Pref.	12	Coast of Ichihara and Anegasaki	110
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	6.2
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	430
	15	Mouth of Riv. Sumida(Minato Ward)	1,600
Yokohama City	16	Yokohama Port	850
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	63
	18	Keihin Canal, Port of Kawasaki	1,600
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	3.6
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	240
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	8.8
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	1.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	1.0
Nagano Pref.	24	Lake Suwa(center)	73
Shizuoka Pref.	25	Shimizu Port	100
	26	Riv. Tenryu(Iwata City)	1.3
Aichi Pref.	27	Kinuura Port	170
	28	Nagoya Port	200
Mie Pref.	29	Yokkaichi Port	160
	30	Toba Port	78
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	55
	32	Lake Biwa(center, offshore of Karasaki)	69
Kyoto Pref.	33	Miyazu Port	37
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	160
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	60
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	200
	37	Mouth of Riv. Yodo(Osaka City)	220
	38	Osaka Port	1,600
	39	Outside Osaka Port	620
Hyogo Pref.	40	Offshore of Himeji	280
Kobe City	41	Kobe Port(center)	430
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	3.7
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	62
Okayama Pref.	44	Offshore of Mizushima	65
Hiroshima Pref.	45	Kure Port	200
	46	Hiroshima Bay	210
Yamaguchi Pref.	47	Tokuyama Bay	100
	48	Offshore of Ube	64
	49	Offshore of Hagi	27
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	3.4
Kagawa Pref.	51	Takamatsu Port	190
Ehime Pref.	52	Niihama Port	3.3
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	6.6
Kitakyushu City	54	Dokai Bay	520
Fukuoka City	55	Hakata Bay	110
Saga Pref.	56	Imari Bay	97
Nagasaki Pref.	57	Omura Bay	170
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	7.6
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	1.9
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.4)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.0
Okinawa Pref.	62	Naha Port	290

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-2] Dichlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.8
 Quantification limit :2.4

	stats
Geometric mean	280
Median	350
Maximum	26,000
Minimum	tr(1.7)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	18
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	60
	3	Tomakomai Port	1,000
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	3.9
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	450
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	6.9
Akita Pref.	7	Lake Hachiro	61
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	28
Fukushima Pref.	9	Onahama Port	4,400
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	45
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	26
Chiba Pref.	12	Coast of Ichihara and Anegasaki	860
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	54
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	4,200
	15	Mouth of Riv. Sumida(Minato Ward)	13,000
Yokohama City	16	Yokohama Port	3,100
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	1,400
	18	Keihin Canal, Port of Kawasaki	5,500
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	26
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	50
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	210
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(1.7)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	6.9
Nagano Pref.	24	Lake Suwa(center)	260
Shizuoka Pref.	25	Shimizu Port	1,700
	26	Riv. Tenryu(Iwata City)	10
Aichi Pref.	27	Kinuura Port	1,000
	28	Nagoya Port	2,600
Mie Pref.	29	Yokkaichi Port	1,600
	30	Toba Port	360
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	230
	32	Lake Biwa(center, offshore of Karasaki)	640
Kyoto Pref.	33	Miyazu Port	160
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	820
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	2,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,500
	37	Mouth of Riv. Yodo(Osaka City)	3,600
	38	Osaka Port	26,000
	39	Outside Osaka Port	7,800
Hyogo Pref.	40	Offshore of Himeji	1,800
Kobe City	41	Kobe Port(center)	4,900
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	91
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	220
Okayama Pref.	44	Offshore of Mizushima	340
Hiroshima Pref.	45	Kure Port	1,400
	46	Hiroshima Bay	1,400
Yamaguchi Pref.	47	Tokuyama Bay	260
	48	Offshore of Ube	300
	49	Offshore of Hagi	160
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	16
Kagawa Pref.	51	Takamatsu Port	10,000
Ehime Pref.	52	Niihama Port	25
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	25
Kitakyushu City	54	Dokai Bay	4,400
Fukuoka City	55	Hakata Bay	570
Saga Pref.	56	Imari Bay	370
Nagasaki Pref.	57	Omura Bay	520
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	100
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	9.3
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	3.4
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	3.2
Okinawa Pref.	62	Naha Port	3,200

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-3] Trichlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :0.9
 Quantification limit :2.7

	stats
Geometric mean	660
Median	920
Maximum	160,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	9.7
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	120
	3	Tomakomai Port	900
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	6.3
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	500
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	31
Akita Pref.	7	Lake Hachiro	170
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	66
Fukushima Pref.	9	Onahama Port	7,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	130
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	68
Chiba Pref.	12	Coast of Ichihara and Anegasaki	3,600
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	140
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	19,000
	15	Mouth of Riv. Sumida(Minato Ward)	69,000
Yokohama City	16	Yokohama Port	13,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	8,200
	18	Keihin Canal, Port of Kawasaki	30,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	72
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	140
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1,400
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	19
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	8.2
Nagano Pref.	24	Lake Suwa(center)	950
Shizuoka Pref.	25	Shimizu Port	5,400
	26	Riv. Tenryu(Iwata City)	21
Aichi Pref.	27	Kinuura Port	3,300
	28	Nagoya Port	8,000
Mie Pref.	29	Yokkaichi Port	7,100
	30	Toba Port	820
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	930
	32	Lake Biwa(center, offshore of Karasaki)	1,900
Kyoto Pref.	33	Miyazu Port	310
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1,900
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	3,200
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,100
	37	Mouth of Riv. Yodo(Osaka City)	8,100
	38	Osaka Port	160,000
	39	Outside Osaka Port	23,000
Hyogo Pref.	40	Offshore of Himeji	2,300
Kobe City	41	Kobe Port(center)	8,700
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	39
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	210
Okayama Pref.	44	Offshore of Mizushima	440
Hiroshima Pref.	45	Kure Port	5,100
	46	Hiroshima Bay	2,800
Yamaguchi Pref.	47	Tokuyama Bay	470
	48	Offshore of Ube	640
	49	Offshore of Hagi	270
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	47
Kagawa Pref.	51	Takamatsu Port	55,000
Ehime Pref.	52	Niihama Port	60
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	52
Kitakyushu City	54	Dokai Bay	39,000
Fukuoka City	55	Hakata Bay	1,400
Saga Pref.	56	Imari Bay	940
Nagasaki Pref.	57	Omura Bay	1,000
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	430
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	5.4
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	9.0
Okinawa Pref.	62	Naha Port	6,600

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-4] Tetrachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :0.8
 Quantification limit :2.1

	stats
Geometric mean	1,100
Median	1,300
Maximum	200,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	14
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	160
	3	Tomakomai Port	1,500
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	38
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	760
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	77
Akita Pref.	7	Lake Hachiro	460
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	160
Fukushima Pref.	9	Onahama Port	11,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	200
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	84
Chiba Pref.	12	Coast of Ichihara and Anegasaki	11,000
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	410
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	26,000
	15	Mouth of Riv. Sumida(Minato Ward)	110,000
Yokohama City	16	Yokohama Port	27,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	13,000
	18	Keihin Canal, Port of Kawasaki	61,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	110
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	230
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1,700
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	56
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	13
Nagano Pref.	24	Lake Suwa(center)	1,900
Shizuoka Pref.	25	Shimizu Port	5,500
	26	Riv. Tenryu(Iwata City)	31
Aichi Pref.	27	Kinuura Port	5,200
	28	Nagoya Port	9,800
Mie Pref.	29	Yokkaichi Port	7,800
	30	Toba Port	1,200
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,700
	32	Lake Biwa(center, offshore of Karasaki)	2,200
Kyoto Pref.	33	Miyazu Port	320
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1,400
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	6,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	11,000
	37	Mouth of Riv. Yodo(Osaka City)	23,000
	38	Osaka Port	200,000
	39	Outside Osaka Port	24,000
Hyogo Pref.	40	Offshore of Himeji	4,200
Kobe City	41	Kobe Port(center)	26,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	140
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	290
Okayama Pref.	44	Offshore of Mizushima	460
Hiroshima Pref.	45	Kure Port	11,000
	46	Hiroshima Bay	3,700
Yamaguchi Pref.	47	Tokuyama Bay	620
	48	Offshore of Ube	1,300
	49	Offshore of Hagi	460
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	80
Kagawa Pref.	51	Takamatsu Port	39,000
Ehime Pref.	52	Niihama Port	49
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	83
Kitakyushu City	54	Dokai Bay	100,000
Fukuoka City	55	Hakata Bay	2,300
Saga Pref.	56	Imari Bay	1,100
Nagasaki Pref.	57	Omura Bay	1,300
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	360
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	5.8
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	47
Okinawa Pref.	62	Naha Port	16,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.3

	stats
Geometric mean	30
Median	36
Maximum	4,600
Minimum	tr(0.1)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	1.1
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	3.1
	3	Tomakomai Port	25
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.6
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	22
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	3.5
Akita Pref.	7	Lake Hachiro	24
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	3.5
Fukushima Pref.	9	Onahama Port	200
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	5.6
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	2.3
Chiba Pref.	12	Coast of Ichihara and Anegasaki	230
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	9.5
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	900
	15	Mouth of Riv. Sumida(Minato Ward)	3,400
Yokohama City	16	Yokohama Port	450
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	120
	18	Keihin Canal, Port of Kawasaki	1,400
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	3.2
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	5.4
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	33
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	0.5
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.5
Nagano Pref.	24	Lake Suwa(center)	83
Shizuoka Pref.	25	Shimizu Port	180
	26	Riv. Tenryu(Iwata City)	0.7
Aichi Pref.	27	Kinuura Port	120
	28	Nagoya Port	150
Mie Pref.	29	Yokkaichi Port	150
	30	Toba Port	47
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	70
	32	Lake Biwa(center, offshore of Karasaki)	130
Kyoto Pref.	33	Miyazu Port	11
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	42
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	130
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	330
	37	Mouth of Riv. Yodo(Osaka City)	2,100
	38	Osaka Port	4,600
	39	Outside Osaka Port	540
Hyogo Pref.	40	Offshore of Himeji	370
Kobe City	41	Kobe Port(center)	730
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	5.0
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	14
Okayama Pref.	44	Offshore of Mizushima	12
Hiroshima Pref.	45	Kure Port	190
	46	Hiroshima Bay	91
Yamaguchi Pref.	47	Tokuyama Bay	23
	48	Offshore of Ube	24
	49	Offshore of Hagi	11
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	1.6
Kagawa Pref.	51	Takamatsu Port	660
Ehime Pref.	52	Niihama Port	1.7
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	2.7
Kitakyushu City	54	Dokai Bay	1,400
Fukuoka City	55	Hakata Bay	50
Saga Pref.	56	Imari Bay	38
Nagasaki Pref.	57	Omura Bay	40
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	7.7
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	0.3
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.1)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.1
Okinawa Pref.	62	Naha Port	200

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :51/62(Missing value :0)
 Detection Frequency (sample) :51/62(Missing value :0)
 Detection limit :0.09
 Quantification limit :0.24

	stats
Geometric mean	1.3
Median	1.7
Maximum	220
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(0.13)
	3	Tomakomai Port	1.7
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	1.5
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.20)
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	0.66
Fukushima Pref.	9	Onahama Port	9.4
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.11)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	5.8
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	0.39
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	8.5
	15	Mouth of Riv. Sumida(Minato Ward)	57
Yokohama City	16	Yokohama Port	23
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	5.0
	18	Keihin Canal, Port of Kawasaki	130
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(0.09)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(0.23)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1.1
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	2.4
Shizuoka Pref.	25	Shimizu Port	10
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	2.7
	28	Nagoya Port	5.4
Mie Pref.	29	Yokkaichi Port	4.3
	30	Toba Port	2.7
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	4.1
	32	Lake Biwa(center, offshore of Karasaki)	6.0
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.86
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	5.0
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	12
	37	Mouth of Riv. Yodo(Osaka City)	13
	38	Osaka Port	220
	39	Outside Osaka Port	33
Hyogo Pref.	40	Offshore of Himeji	3.4
Kobe City	41	Kobe Port(center)	66
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(0.22)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	0.26
Okayama Pref.	44	Offshore of Mizushima	0.85
Hiroshima Pref.	45	Kure Port	14
	46	Hiroshima Bay	8.2
Yamaguchi Pref.	47	Tokuyama Bay	1.7
	48	Offshore of Ube	2.2
	49	Offshore of Hagi	0.56
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(0.10)
Kagawa Pref.	51	Takamatsu Port	34
Ehime Pref.	52	Niihama Port	tr(0.11)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	tr(0.11)
Kitakyushu City	54	Dokai Bay	77
Fukuoka City	55	Hakata Bay	2.8
Saga Pref.	56	Imari Bay	6.2
Nagasaki Pref.	57	Omura Bay	1.3
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(0.13)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	17

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5] Pentachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :0.8
 Quantification limit :2.2

	stats
Geometric mean	970
Median	1,100
Maximum	110,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	21
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	200
	3	Tomakomai Port	990
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	91
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	760
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	220
Akita Pref.	7	Lake Hachiro	1,100
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	340
Fukushima Pref.	9	Onahama Port	12,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	150
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	40
Chiba Pref.	12	Coast of Ichihara and Anegasaki	6,500
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	290
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	12,000
	15	Mouth of Riv. Sumida(Minato Ward)	56,000
Yokohama City	16	Yokohama Port	23,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	7,600
	18	Keihin Canal, Port of Kawasaki	66,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	120
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	200
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1,300
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	19
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	28
Nagano Pref.	24	Lake Suwa(center)	2,400
Shizuoka Pref.	25	Shimizu Port	2,400
	26	Riv. Tenryu(Iwata City)	38
Aichi Pref.	27	Kinuura Port	3,900
	28	Nagoya Port	4,300
Mie Pref.	29	Yokkaichi Port	4,700
	30	Toba Port	2,200
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	2,100
	32	Lake Biwa(center, offshore of Karasaki)	3,000
Kyoto Pref.	33	Miyazu Port	290
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	990
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	4,900
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	10,000
	37	Mouth of Riv. Yodo(Osaka City)	16,000
	38	Osaka Port	110,000
	39	Outside Osaka Port	15,000
Hyogo Pref.	40	Offshore of Himeji	2,600
Kobe City	41	Kobe Port(center)	32,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	170
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	360
Okayama Pref.	44	Offshore of Mizushima	320
Hiroshima Pref.	45	Kure Port	16,000
	46	Hiroshima Bay	3,700
Yamaguchi Pref.	47	Tokuyama Bay	670
	48	Offshore of Ube	850
	49	Offshore of Hagi	530
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	120
Kagawa Pref.	51	Takamatsu Port	12,000
Ehime Pref.	52	Niihama Port	25
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	150
Kitakyushu City	54	Dokai Bay	51,000
Fukuoka City	55	Hakata Bay	1,600
Saga Pref.	56	Imari Bay	1,000
Nagasaki Pref.	57	Omura Bay	1,300
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	140
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	8.9
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	18
Okinawa Pref.	62	Naha Port	24,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.3

	stats
Geometric mean	68
Median	79
Maximum	6,900
Minimum	tr(0.2)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	2.9
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	15
	3	Tomakomai Port	75
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	6.3
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	52
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	11
Akita Pref.	7	Lake Hachiro	74
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	23
Fukushima Pref.	9	Onahama Port	820
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	11
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	3.2
Chiba Pref.	12	Coast of Ichihara and Anegasaki	410
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	24
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	660
	15	Mouth of Riv. Sumida(Minato Ward)	2,700
Yokohama City	16	Yokohama Port	1,600
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	510
	18	Keihin Canal, Port of Kawasaki	4,800
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	9.3
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	16
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	92
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	2.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	2.3
Nagano Pref.	24	Lake Suwa(center)	150
Shizuoka Pref.	25	Shimizu Port	230
	26	Riv. Tenryu(Iwata City)	3.3
Aichi Pref.	27	Kinuura Port	280
	28	Nagoya Port	240
Mie Pref.	29	Yokkaichi Port	260
	30	Toba Port	87
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	180
	32	Lake Biwa(center, offshore of Karasaki)	280
Kyoto Pref.	33	Miyazu Port	23
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	53
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	480
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	870
	37	Mouth of Riv. Yodo(Osaka City)	920
	38	Osaka Port	6,900
	39	Outside Osaka Port	580
Hyogo Pref.	40	Offshore of Himeji	160
Kobe City	41	Kobe Port(center)	1,600
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	15
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	29
Okayama Pref.	44	Offshore of Mizushima	18
Hiroshima Pref.	45	Kure Port	580
	46	Hiroshima Bay	180
Yamaguchi Pref.	47	Tokuyama Bay	30
	48	Offshore of Ube	58
	49	Offshore of Hagi	30
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	9.2
Kagawa Pref.	51	Takamatsu Port	940
Ehime Pref.	52	Niihama Port	1.9
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	13
Kitakyushu City	54	Dokai Bay	4,400
Fukuoka City	55	Hakata Bay	140
Saga Pref.	56	Imari Bay	83
Nagasaki Pref.	57	Omura Bay	88
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	3.5
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	1.0
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.2)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	1.9
Okinawa Pref.	62	Naha Port	940

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :58/62(Missing value :0)
 Detection Frequency (sample) :58/62(Missing value :0)
 Detection limit :0.09
 Quantification limit :0.22

	stats
Geometric mean	3.4
Median	3.7
Maximum	490
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.90
	3	Tomakomai Port	5.3
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.44
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	2.3
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	1.1
Akita Pref.	7	Lake Hachiro	4.1
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.6
Fukushima Pref.	9	Onahama Port	53
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	0.60
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.20)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	12
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.3
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	46
	15	Mouth of Riv. Sumida(Minato Ward)	170
Yokohama City	16	Yokohama Port	82
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	34
	18	Keihin Canal, Port of Kawasaki	240
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	0.49
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1.1
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	6.3
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.17)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.12)
Nagano Pref.	24	Lake Suwa(center)	6.7
Shizuoka Pref.	25	Shimizu Port	12
	26	Riv. Tenryu(Iwata City)	0.26
Aichi Pref.	27	Kinuura Port	5.5
	28	Nagoya Port	15
Mie Pref.	29	Yokkaichi Port	18
	30	Toba Port	13
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	12
	32	Lake Biwa(center, offshore of Karasaki)	18
Kyoto Pref.	33	Miyazu Port	0.97
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	3.2
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	30
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	64
	37	Mouth of Riv. Yodo(Osaka City)	65
	38	Osaka Port	490
	39	Outside Osaka Port	26
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	45
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	0.78
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	2.0
Okayama Pref.	44	Offshore of Mizushima	0.76
Hiroshima Pref.	45	Kure Port	18
	46	Hiroshima Bay	5.3
Yamaguchi Pref.	47	Tokuyama Bay	1.1
	48	Offshore of Ube	2.6
	49	Offshore of Hagi	0.98
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.52
Kagawa Pref.	51	Takamatsu Port	59
Ehime Pref.	52	Niihama Port	tr(0.11)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	0.63
Kitakyushu City	54	Dokai Bay	300
Fukuoka City	55	Hakata Bay	6.1
Saga Pref.	56	Imari Bay	4.0
Nagasaki Pref.	57	Omura Bay	3.4
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.09)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.13)
Okinawa Pref.	62	Naha Port	32

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-3] 2,3',4,4'-5-Pentachlorobiphenyl (#118)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.3
 Quantification limit :0.8

	stats
Geometric mean	170
Median	210
Maximum	17,000
Minimum	tr(0.7)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	4.3
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	32
	3	Tomakomai Port	150
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	16
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	170
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	33
Akita Pref.	7	Lake Hachiro	210
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	60
Fukushima Pref.	9	Onahama Port	1,700
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	29
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	6.9
Chiba Pref.	12	Coast of Ichihara and Anegasaki	1,100
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	50
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	1,600
	15	Mouth of Riv. Sumida(Minato Ward)	9,100
Yokohama City	16	Yokohama Port	3,700
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	920
	18	Keihin Canal, Port of Kawasaki	14,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	22
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	36
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	210
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3.7
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	5.4
Nagano Pref.	24	Lake Suwa(center)	350
Shizuoka Pref.	25	Shimizu Port	450
	26	Riv. Tenryu(Iwata City)	7.9
Aichi Pref.	27	Kinuura Port	720
	28	Nagoya Port	680
Mie Pref.	29	Yokkaichi Port	880
	30	Toba Port	270
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	390
	32	Lake Biwa(center, offshore of Karasaki)	610
Kyoto Pref.	33	Miyazu Port	61
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	150
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	700
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,400
	37	Mouth of Riv. Yodo(Osaka City)	2,200
	38	Osaka Port	17,000
	39	Outside Osaka Port	2,600
Hyogo Pref.	40	Offshore of Himeji	520
Kobe City	41	Kobe Port(center)	4,800
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	26
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	69
Okayama Pref.	44	Offshore of Mizushima	59
Hiroshima Pref.	45	Kure Port	2,100
	46	Hiroshima Bay	640
Yamaguchi Pref.	47	Tokuyama Bay	110
	48	Offshore of Ube	140
	49	Offshore of Hagi	100
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	22
Kagawa Pref.	51	Takamatsu Port	2,000
Ehime Pref.	52	Niihama Port	5.0
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	31
Kitakyushu City	54	Dokai Bay	8,300
Fukuoka City	55	Hakata Bay	340
Saga Pref.	56	Imari Bay	200
Nagasaki Pref.	57	Omura Bay	260
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	18
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	2.2
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.7)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	3.5
Okinawa Pref.	62	Naha Port	2,600

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :60/62(Missing value :0)
 Detection Frequency (sample) :60/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.2

	stats
Geometric mean	3.5
Median	3.8
Maximum	310
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.1)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.7
	3	Tomakomai Port	3.7
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.3
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	2.9
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	0.5
Akita Pref.	7	Lake Hachiro	3.2
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.2
Fukushima Pref.	9	Onahama Port	32
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	0.6
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.2
Chiba Pref.	12	Coast of Ichihara and Anegasaki	15
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.0
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	37
	15	Mouth of Riv. Sumida(Minato Ward)	130
Yokohama City	16	Yokohama Port	74
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	25
	18	Keihin Canal, Port of Kawasaki	190
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	0.4
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	0.8
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	4.7
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.1)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.1)
Nagano Pref.	24	Lake Suwa(center)	6.5
Shizuoka Pref.	25	Shimizu Port	11
	26	Riv. Tenryu(Iwata City)	0.2
Aichi Pref.	27	Kinuura Port	7.0
	28	Nagoya Port	14
Mie Pref.	29	Yokkaichi Port	16
	30	Toba Port	3.8
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	8.6
	32	Lake Biwa(center, offshore of Karasaki)	13
Kyoto Pref.	33	Miyazu Port	1.3
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	2.9
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	24
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	49
	37	Mouth of Riv. Yodo(Osaka City)	55
	38	Osaka Port	310
	39	Outside Osaka Port	36
Hyogo Pref.	40	Offshore of Himeji	9.4
Kobe City	41	Kobe Port(center)	79
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	0.7
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.4
Okayama Pref.	44	Offshore of Mizushima	0.9
Hiroshima Pref.	45	Kure Port	37
	46	Hiroshima Bay	11
Yamaguchi Pref.	47	Tokuyama Bay	1.6
	48	Offshore of Ube	2.9
	49	Offshore of Hagi	1.9
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.5
Kagawa Pref.	51	Takamatsu Port	41
Ehime Pref.	52	Niihama Port	tr(0.1)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	0.6
Kitakyushu City	54	Dokai Bay	200
Fukuoka City	55	Hakata Bay	7.3
Saga Pref.	56	Imari Bay	3.9
Nagasaki Pref.	57	Omura Bay	4.8
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	0.2
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.1)
Okinawa Pref.	62	Naha Port	50

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-5] 3,3',4,4',5-Pentachlorobiphenyl (#126)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :59/62(Missing value :0)
 Detection Frequency (sample) :59/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.3

	stats
Geometric mean	1.7
Median	1.9
Maximum	84
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	0.4
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.3
	3	Tomakomai Port	1.2
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(0.2)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	2.0
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.1)
Akita Pref.	7	Lake Hachiro	2.0
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	0.4
Fukushima Pref.	9	Onahama Port	7.1
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	0.5
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.1)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	7.4
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	0.5
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	14
	15	Mouth of Riv. Sumida(Minato Ward)	39
Yokohama City	16	Yokohama Port	31
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	10
	18	Keihin Canal, Port of Kawasaki	41
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	0.4
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	0.5
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1.2
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.1)
Nagano Pref.	24	Lake Suwa(center)	7.1
Shizuoka Pref.	25	Shimizu Port	5.3
	26	Riv. Tenryu(Iwata City)	tr(0.1)
Aichi Pref.	27	Kinuura Port	4.0
	28	Nagoya Port	3.8
Mie Pref.	29	Yokkaichi Port	4.2
	30	Toba Port	3.1
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	9.0
Kyoto Pref.	33	Miyazu Port	0.9
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1.2
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	14
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14
	37	Mouth of Riv. Yodo(Osaka City)	22
	38	Osaka Port	84
	39	Outside Osaka Port	15
Hyogo Pref.	40	Offshore of Himeji	9.4
Kobe City	41	Kobe Port(center)	43
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	0.6
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	0.6
Okayama Pref.	44	Offshore of Mizushima	0.8
Hiroshima Pref.	45	Kure Port	17
	46	Hiroshima Bay	6.4
Yamaguchi Pref.	47	Tokuyama Bay	1.4
	48	Offshore of Ube	1.7
	49	Offshore of Hagi	0.8
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.3
Kagawa Pref.	51	Takamatsu Port	17
Ehime Pref.	52	Niihama Port	tr(0.1)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	0.4
Kitakyushu City	54	Dokai Bay	45
Fukuoka City	55	Hakata Bay	2.7
Saga Pref.	56	Imari Bay	3.3
Nagasaki Pref.	57	Omura Bay	3.3
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(0.1)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.1)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.1)
Okinawa Pref.	62	Naha Port	26

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6] Hexachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :0.8
 Quantification limit :2.2

	stats
Geometric mean	850
Median	1,200
Maximum	76,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	45
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	130
	3	Tomakomai Port	880
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	51
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	760
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	160
Akita Pref.	7	Lake Hachiro	850
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	210
Fukushima Pref.	9	Onahama Port	8,900
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	99
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	26
Chiba Pref.	12	Coast of Ichihara and Anegasaki	4,700
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	190
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	6,500
	15	Mouth of Riv. Sumida(Minato Ward)	23,000
Yokohama City	16	Yokohama Port	27,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	5,200
	18	Keihin Canal, Port of Kawasaki	59,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	75
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	130
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1,100
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	6.3
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	26
Nagano Pref.	24	Lake Suwa(center)	1,900
Shizuoka Pref.	25	Shimizu Port	4,100
	26	Riv. Tenryu(Iwata City)	22
Aichi Pref.	27	Kinuura Port	3,000
	28	Nagoya Port	2,300
Mie Pref.	29	Yokkaichi Port	3,100
	30	Toba Port	6,400
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,600
	32	Lake Biwa(center, offshore of Karasaki)	2,300
Kyoto Pref.	33	Miyazu Port	390
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	490
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	5,800
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	9,700
	37	Mouth of Riv. Yodo(Osaka City)	12,000
	38	Osaka Port	76,000
	39	Outside Osaka Port	12,000
Hyogo Pref.	40	Offshore of Himeji	2,600
Kobe City	41	Kobe Port(center)	59,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	180
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	250
Okayama Pref.	44	Offshore of Mizushima	400
Hiroshima Pref.	45	Kure Port	28,000
	46	Hiroshima Bay	5,200
Yamaguchi Pref.	47	Tokuyama Bay	1,200
	48	Offshore of Ube	920
	49	Offshore of Hagi	770
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	100
Kagawa Pref.	51	Takamatsu Port	6,400
Ehime Pref.	52	Niihama Port	28
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	160
Kitakyushu City	54	Dokai Bay	17,000
Fukuoka City	55	Hakata Bay	1,200
Saga Pref.	56	Imari Bay	1,600
Nagasaki Pref.	57	Omura Bay	1,700
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	140
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	6.1
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	14
Okinawa Pref.	62	Naha Port	49,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.09
 Quantification limit :0.24

	stats
Geometric mean	22
Median	28
Maximum	1,800
Minimum	tr(0.13)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	0.92
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	4.3
	3	Tomakomai Port	18
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	1.8
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	15
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	3.2
Akita Pref.	7	Lake Hachiro	27
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	7.7
Fukushima Pref.	9	Onahama Port	300
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	3.5
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.79
Chiba Pref.	12	Coast of Ichihara and Anegasaki	79
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	6.1
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	170
	15	Mouth of Riv. Sumida(Minato Ward)	590
Yokohama City	16	Yokohama Port	580
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	170
	18	Keihin Canal, Port of Kawasaki	1,500
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	2.6
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	3.9
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	34
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	0.26
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.78
Nagano Pref.	24	Lake Suwa(center)	53
Shizuoka Pref.	25	Shimizu Port	97
	26	Riv. Tenryu(Iwata City)	0.86
Aichi Pref.	27	Kinuura Port	48
	28	Nagoya Port	55
Mie Pref.	29	Yokkaichi Port	80
	30	Toba Port	86
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	55
	32	Lake Biwa(center, offshore of Karasaki)	100
Kyoto Pref.	33	Miyazu Port	8.8
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	15
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	260
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	350
	37	Mouth of Riv. Yodo(Osaka City)	370
	38	Osaka Port	1,800
	39	Outside Osaka Port	210
Hyogo Pref.	40	Offshore of Himeji	64
Kobe City	41	Kobe Port(center)	1,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	5.4
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	8.4
Okayama Pref.	44	Offshore of Mizushima	6.0
Hiroshima Pref.	45	Kure Port	400
	46	Hiroshima Bay	80
Yamaguchi Pref.	47	Tokuyama Bay	15
	48	Offshore of Ube	14
	49	Offshore of Hagi	15
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	2.8
Kagawa Pref.	51	Takamatsu Port	210
Ehime Pref.	52	Niihama Port	0.50
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	4.0
Kitakyushu City	54	Dokai Bay	450
Fukuoka City	55	Hakata Bay	28
Saga Pref.	56	Imari Bay	31
Nagasaki Pref.	57	Omura Bay	31
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	1.5
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	0.34
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.13)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	0.67
Okinawa Pref.	62	Naha Port	770

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :59/62(Missing value :0)
 Detection Frequency (sample) :59/62(Missing value :0)
 Detection limit :0.09
 Quantification limit :0.24

	stats
Geometric mean	4.8
Median	5.5
Maximum	340
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	0.39
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.89
	3	Tomakomai Port	3.1
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.45
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	3.9
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	0.54
Akita Pref.	7	Lake Hachiro	5.9
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.7
Fukushima Pref.	9	Onahama Port	62
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	0.80
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.21)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	20
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.5
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	40
	15	Mouth of Riv. Sumida(Minato Ward)	120
Yokohama City	16	Yokohama Port	100
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	40
	18	Keihin Canal, Port of Kawasaki	280
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	0.56
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	0.96
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	7.1
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.19)
Nagano Pref.	24	Lake Suwa(center)	12
Shizuoka Pref.	25	Shimizu Port	14
	26	Riv. Tenryu(Iwata City)	tr(0.22)
Aichi Pref.	27	Kinuura Port	12
	28	Nagoya Port	14
Mie Pref.	29	Yokkaichi Port	20
	30	Toba Port	8.5
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	14
	32	Lake Biwa(center, offshore of Karasaki)	22
Kyoto Pref.	33	Miyazu Port	2.0
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	3.2
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	63
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	86
	37	Mouth of Riv. Yodo(Osaka City)	90
	38	Osaka Port	340
	39	Outside Osaka Port	42
Hyogo Pref.	40	Offshore of Himeji	15
Kobe City	41	Kobe Port(center)	160
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	1.4
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	2.1
Okayama Pref.	44	Offshore of Mizushima	1.2
Hiroshima Pref.	45	Kure Port	73
	46	Hiroshima Bay	20
Yamaguchi Pref.	47	Tokuyama Bay	3.0
	48	Offshore of Ube	2.8
	49	Offshore of Hagi	3.0
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.64
Kagawa Pref.	51	Takamatsu Port	43
Ehime Pref.	52	Niihama Port	tr(0.13)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	0.91
Kitakyushu City	54	Dokai Bay	96
Fukuoka City	55	Hakata Bay	6.4
Saga Pref.	56	Imari Bay	5.1
Nagasaki Pref.	57	Omura Bay	6.5
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	0.30
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.16)
Okinawa Pref.	62	Naha Port	110

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6-3] 2,3',4,4',5,5'-Hexachlorobiphenyl (#167)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.08
 Quantification limit :0.21

	stats
Geometric mean	9.7
Median	12
Maximum	680
Minimum	tr(0.09)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	0.82
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.7
	3	Tomakomai Port	6.4
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.71
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	8.3
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	1.2
Akita Pref.	7	Lake Hachiro	11
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	2.9
Fukushima Pref.	9	Onahama Port	110
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	1.4
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.37
Chiba Pref.	12	Coast of Ichihara and Anegasaki	41
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	2.5
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	73
	15	Mouth of Riv. Sumida(Minato Ward)	230
Yokohama City	16	Yokohama Port	260
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	69
	18	Keihin Canal, Port of Kawasaki	610
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	1.0
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1.7
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	12
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.11)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.37
Nagano Pref.	24	Lake Suwa(center)	20
Shizuoka Pref.	25	Shimizu Port	34
	26	Riv. Tenryu(Iwata City)	0.36
Aichi Pref.	27	Kinuura Port	23
	28	Nagoya Port	25
Mie Pref.	29	Yokkaichi Port	35
	30	Toba Port	32
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	22
	32	Lake Biwa(center, offshore of Karasaki)	33
Kyoto Pref.	33	Miyazu Port	3.4
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	6.0
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	110
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	150
	37	Mouth of Riv. Yodo(Osaka City)	160
	38	Osaka Port	680
	39	Outside Osaka Port	96
Hyogo Pref.	40	Offshore of Himeji	29
Kobe City	41	Kobe Port(center)	460
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	2.4
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	3.3
Okayama Pref.	44	Offshore of Mizushima	2.7
Hiroshima Pref.	45	Kure Port	190
	46	Hiroshima Bay	40
Yamaguchi Pref.	47	Tokuyama Bay	6.8
	48	Offshore of Ube	6.3
	49	Offshore of Hagi	5.8
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	1.2
Kagawa Pref.	51	Takamatsu Port	80
Ehime Pref.	52	Niihama Port	0.28
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	2.3
Kitakyushu City	54	Dokai Bay	180
Fukuoka City	55	Hakata Bay	13
Saga Pref.	56	Imari Bay	14
Nagasaki Pref.	57	Omura Bay	15
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	0.60
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.19)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.09)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	0.29
Okinawa Pref.	62	Naha Port	350

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-6-4] 3,3',4,4',5,5'-Hexachlorobiphenyl (#169)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :29/62(Missing value :0)
 Detection Frequency (sample) :29/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.4

	stats
Geometric mean	tr(0.3)
Median	nd
Maximum	27
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.1)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(0.2)
	3	Tomakomai Port	tr(0.3)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	1.2
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.1)
Akita Pref.	7	Lake Hachiro	1.3
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	nd
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	1.4
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	4.7
	15	Mouth of Riv. Sumida(Minato Ward)	6.3
Yokohama City	16	Yokohama Port	14
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	2.3
	18	Keihin Canal, Port of Kawasaki	10
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	0.8
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	3.7
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	nd
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(0.2)
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	8.6
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	6.8
	37	Mouth of Riv. Yodo(Osaka City)	6.5
	38	Osaka Port	6.5
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	4.4
Kobe City	41	Kobe Port(center)	27
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(0.3)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	nd
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	0.7
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(0.1)
Kagawa Pref.	51	Takamatsu Port	1.9
Ehime Pref.	52	Niihama Port	tr(0.1)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	4.3
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	2.5
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	20

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7] Heptachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :60/62(Missing value :0)
 Detection Frequency (sample) :60/62(Missing value :0)
 Detection limit :0.3
 Quantification limit :0.9

	stats
Geometric mean	260
Median	460
Maximum	33,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	25
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	30
	3	Tomakomai Port	650
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	7.1
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	350
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	54
Akita Pref.	7	Lake Hachiro	170
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	31
Fukushima Pref.	9	Onahama Port	2,300
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	24
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	5.3
Chiba Pref.	12	Coast of Ichihara and Anegasaki	1,800
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	37
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	1,500
	15	Mouth of Riv. Sumida(Minato Ward)	5,700
Yokohama City	16	Yokohama Port	18,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	960
	18	Keihin Canal, Port of Kawasaki	32,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	17
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	38
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	390
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.6)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	3.8
Nagano Pref.	24	Lake Suwa(center)	560
Shizuoka Pref.	25	Shimizu Port	4,100
	26	Riv. Tenryu(Iwata City)	4.4
Aichi Pref.	27	Kinuura Port	1,100
	28	Nagoya Port	800
Mie Pref.	29	Yokkaichi Port	1,000
	30	Toba Port	5,900
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	420
	32	Lake Biwa(center, offshore of Karasaki)	430
Kyoto Pref.	33	Miyazu Port	200
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	60
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,400
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,300
	37	Mouth of Riv. Yodo(Osaka City)	1,500
	38	Osaka Port	33,000
	39	Outside Osaka Port	4,700
Hyogo Pref.	40	Offshore of Himeji	690
Kobe City	41	Kobe Port(center)	30,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	30
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	59
Okayama Pref.	44	Offshore of Mizushima	210
Hiroshima Pref.	45	Kure Port	21,000
	46	Hiroshima Bay	2,700
Yamaguchi Pref.	47	Tokuyama Bay	910
	48	Offshore of Ube	510
	49	Offshore of Hagi	480
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	27
Kagawa Pref.	51	Takamatsu Port	2,100
Ehime Pref.	52	Niihama Port	10
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	65
Kitakyushu City	54	Dokai Bay	7,400
Fukuoka City	55	Hakata Bay	380
Saga Pref.	56	Imari Bay	1,200
Nagasaki Pref.	57	Omura Bay	820
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	65
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	2.8
Okinawa Pref.	62	Naha Port	31,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :60/62(Missing value :0)
 Detection Frequency (sample) :60/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.5

	stats
Geometric mean	34
Median	57
Maximum	3,800
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.3
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	4.2
	3	Tomakomai Port	67
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	1.3
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	35
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	5.8
Akita Pref.	7	Lake Hachiro	26
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	4.7
Fukushima Pref.	9	Onahama Port	320
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	3.5
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.8
Chiba Pref.	12	Coast of Ichihara and Anegasaki	180
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	5.5
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	200
	15	Mouth of Riv. Sumida(Minato Ward)	730
Yokohama City	16	Yokohama Port	2,100
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	150
	18	Keihin Canal, Port of Kawasaki	3,600
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	2.5
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	4.8
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	47
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.2)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.6
Nagano Pref.	24	Lake Suwa(center)	74
Shizuoka Pref.	25	Shimizu Port	470
	26	Riv. Tenryu(Iwata City)	0.7
Aichi Pref.	27	Kinuura Port	110
	28	Nagoya Port	95
Mie Pref.	29	Yokkaichi Port	130
	30	Toba Port	590
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	63
	32	Lake Biwa(center, offshore of Karasaki)	71
Kyoto Pref.	33	Miyazu Port	19
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	10
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	220
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	200
	37	Mouth of Riv. Yodo(Osaka City)	210
	38	Osaka Port	3,700
	39	Outside Osaka Port	520
Hyogo Pref.	40	Offshore of Himeji	71
Kobe City	41	Kobe Port(center)	3,200
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	4.3
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	8.3
Okayama Pref.	44	Offshore of Mizushima	17
Hiroshima Pref.	45	Kure Port	2,100
	46	Hiroshima Bay	240
Yamaguchi Pref.	47	Tokuyama Bay	81
	48	Offshore of Ube	50
	49	Offshore of Hagi	47
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	3.5
Kagawa Pref.	51	Takamatsu Port	280
Ehime Pref.	52	Niihama Port	0.8
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	7.6
Kitakyushu City	54	Dokai Bay	780
Fukuoka City	55	Hakata Bay	42
Saga Pref.	56	Imari Bay	120
Nagasaki Pref.	57	Omura Bay	80
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	5.3
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.4)
Okinawa Pref.	62	Naha Port	3,800

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7-2] 2,2',3,4,4',5,5'-Heptachlorobiphenyl (#180)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :60/62(Missing value :0)
 Detection Frequency (sample) :60/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.5

	stats
Geometric mean	77
Median	120
Maximum	10,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	7.6
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	8.9
	3	Tomakomai Port	200
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	2.1
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	94
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	16
Akita Pref.	7	Lake Hachiro	49
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	9.0
Fukushima Pref.	9	Onahama Port	700
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	6.6
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	1.5
Chiba Pref.	12	Coast of Ichihara and Anegasaki	480
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	11
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	380
	15	Mouth of Riv. Sumida(Minato Ward)	1,600
Yokohama City	16	Yokohama Port	5,200
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	270
	18	Keihin Canal, Port of Kawasaki	10,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	4.7
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	11
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	110
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	0.5
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	1.3
Nagano Pref.	24	Lake Suwa(center)	150
Shizuoka Pref.	25	Shimizu Port	1,300
	26	Riv. Tenryu(Iwata City)	1.5
Aichi Pref.	27	Kinuura Port	260
	28	Nagoya Port	220
Mie Pref.	29	Yokkaichi Port	300
	30	Toba Port	1,700
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	110
	32	Lake Biwa(center, offshore of Karasaki)	110
Kyoto Pref.	33	Miyazu Port	45
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	17
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	420
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	360
	37	Mouth of Riv. Yodo(Osaka City)	410
	38	Osaka Port	9,700
	39	Outside Osaka Port	1,300
Hyogo Pref.	40	Offshore of Himeji	170
Kobe City	41	Kobe Port(center)	7,600
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	8.6
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	18
Okayama Pref.	44	Offshore of Mizushima	50
Hiroshima Pref.	45	Kure Port	5,900
	46	Hiroshima Bay	680
Yamaguchi Pref.	47	Tokuyama Bay	250
	48	Offshore of Ube	140
	49	Offshore of Hagi	130
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	7.4
Kagawa Pref.	51	Takamatsu Port	630
Ehime Pref.	52	Niihama Port	2.1
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	20
Kitakyushu City	54	Dokai Bay	2,200
Fukuoka City	55	Hakata Bay	100
Saga Pref.	56	Imari Bay	340
Nagasaki Pref.	57	Omura Bay	220
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	15
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	0.8
Okinawa Pref.	62	Naha Port	8,300

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :54/62(Missing value :0)
 Detection Frequency (sample) :54/62(Missing value :0)
 Detection limit :0.08
 Quantification limit :0.22

	stats
Geometric mean	1.9
Median	2.2
Maximum	160
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.11)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.27
	3	Tomakomai Port	2.0
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(0.09)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	2.1
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.20)
Akita Pref.	7	Lake Hachiro	2.1
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	0.33
Fukushima Pref.	9	Onahama Port	15
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	6.9
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	0.32
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	11
	15	Mouth of Riv. Sumida(Minato Ward)	39
Yokohama City	16	Yokohama Port	88
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	8.3
	18	Keihin Canal, Port of Kawasaki	130
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(0.17)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	0.33
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	2.0
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	5.3
Shizuoka Pref.	25	Shimizu Port	17
	26	Riv. Tenryu(Iwata City)	tr(0.08)
Aichi Pref.	27	Kinuura Port	5.3
	28	Nagoya Port	4.8
Mie Pref.	29	Yokkaichi Port	6.4
	30	Toba Port	19
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	5.5
	32	Lake Biwa(center, offshore of Karasaki)	5.6
Kyoto Pref.	33	Miyazu Port	1.1
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.50
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	15
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	12
	37	Mouth of Riv. Yodo(Osaka City)	13
	38	Osaka Port	140
	39	Outside Osaka Port	23
Hyogo Pref.	40	Offshore of Himeji	4.6
Kobe City	41	Kobe Port(center)	120
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	0.31
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	0.50
Okayama Pref.	44	Offshore of Mizushima	0.96
Hiroshima Pref.	45	Kure Port	88
	46	Hiroshima Bay	12
Yamaguchi Pref.	47	Tokuyama Bay	4.0
	48	Offshore of Ube	2.2
	49	Offshore of Hagi	2.0
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.22
Kagawa Pref.	51	Takamatsu Port	14
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	0.36
Kitakyushu City	54	Dokai Bay	36
Fukuoka City	55	Hakata Bay	2.1
Saga Pref.	56	Imari Bay	4.9
Nagasaki Pref.	57	Omura Bay	4.1
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	0.28
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	160

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-8] Octachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :59/62(Missing value :0)
 Detection Frequency (sample) :59/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.3

	stats
Geometric mean	51
Median	94
Maximum	14,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	4.1
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	4.2
	3	Tomakomai Port	140
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	0.6
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	74
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	8.8
Akita Pref.	7	Lake Hachiro	27
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	3.6
Fukushima Pref.	9	Onahama Port	580
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	5.4
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	1.1
Chiba Pref.	12	Coast of Ichihara and Anegasaki	490
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	9.3
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	230
	15	Mouth of Riv. Sumida(Minato Ward)	930
Yokohama City	16	Yokohama Port	4,200
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	120
	18	Keihin Canal, Port of Kawasaki	6,400
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	2.2
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	6.8
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	56
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.3
Nagano Pref.	24	Lake Suwa(center)	96
Shizuoka Pref.	25	Shimizu Port	1,100
	26	Riv. Tenryu(Iwata City)	0.5
Aichi Pref.	27	Kinuura Port	230
	28	Nagoya Port	160
Mie Pref.	29	Yokkaichi Port	230
	30	Toba Port	1,300
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	92
	32	Lake Biwa(center, offshore of Karasaki)	62
Kyoto Pref.	33	Miyazu Port	48
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	4.7
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	280
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	310
	37	Mouth of Riv. Yodo(Osaka City)	300
	38	Osaka Port	5,900
	39	Outside Osaka Port	910
Hyogo Pref.	40	Offshore of Himeji	220
Kobe City	41	Kobe Port(center)	14,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	8.4
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	8.7
Okayama Pref.	44	Offshore of Mizushima	46
Hiroshima Pref.	45	Kure Port	6,000
	46	Hiroshima Bay	630
Yamaguchi Pref.	47	Tokuyama Bay	320
	48	Offshore of Ube	110
	49	Offshore of Hagi	130
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	3.8
Kagawa Pref.	51	Takamatsu Port	400
Ehime Pref.	52	Niihama Port	2.0
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	13
Kitakyushu City	54	Dokai Bay	1,500
Fukuoka City	55	Hakata Bay	80
Saga Pref.	56	Imari Bay	250
Nagasaki Pref.	57	Omura Bay	200
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	13
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	0.5
Okinawa Pref.	62	Naha Port	8,500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[1-9] Nonachlorobiphenyls/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :58/62(Missing value :0)
 Detection Frequency (sample) :58/62(Missing value :0)
 Detection limit :0.1
 Quantification limit :0.4

	stats
Geometric mean	7.8
Median	13
Maximum	980
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.2)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.1
	3	Tomakomai Port	9.6
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(0.1)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	17
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	0.7
Akita Pref.	7	Lake Hachiro	8.8
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.2
Fukushima Pref.	9	Onahama Port	63
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	3.4
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.1)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	42
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.2
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	43
	15	Mouth of Riv. Sumida(Minato Ward)	150
Yokohama City	16	Yokohama Port	440
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	18
	18	Keihin Canal, Port of Kawasaki	510
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	0.6
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1.6
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	5.0
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	23
Shizuoka Pref.	25	Shimizu Port	76
	26	Riv. Tenryu(Iwata City)	tr(0.2)
Aichi Pref.	27	Kinuura Port	23
	28	Nagoya Port	20
Mie Pref.	29	Yokkaichi Port	37
	30	Toba Port	75
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	26
	32	Lake Biwa(center, offshore of Karasaki)	14
Kyoto Pref.	33	Miyazu Port	6.2
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.5
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	46
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	47
	37	Mouth of Riv. Yodo(Osaka City)	39
	38	Osaka Port	660
	39	Outside Osaka Port	120
Hyogo Pref.	40	Offshore of Himeji	25
Kobe City	41	Kobe Port(center)	980
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	1.2
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.5
Okayama Pref.	44	Offshore of Mizushima	5.1
Hiroshima Pref.	45	Kure Port	620
	46	Hiroshima Bay	57
Yamaguchi Pref.	47	Tokuyama Bay	34
	48	Offshore of Ube	9.3
	49	Offshore of Hagi	10
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.7
Kagawa Pref.	51	Takamatsu Port	46
Ehime Pref.	52	Niihama Port	1.5
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	1.4
Kitakyushu City	54	Dokai Bay	150
Fukuoka City	55	Hakata Bay	11
Saga Pref.	56	Imari Bay	18
Nagasaki Pref.	57	Omura Bay	52
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	1.1
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.1)
Okinawa Pref.	62	Naha Port	640

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-10] Decachlorobiphenyl/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :54/62(Missing value :0)
 Detection Frequency (sample) :54/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.4

	stats
Geometric mean	7.6
Median	9.9
Maximum	2,500
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.2)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.6
	3	Tomakomai Port	3.1
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	68
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	19
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	2.2
Fukushima Pref.	9	Onahama Port	380
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	12
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	47
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.0
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	73
	15	Mouth of Riv. Sumida(Minato Ward)	270
Yokohama City	16	Yokohama Port	2,500
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	17
	18	Keihin Canal, Port of Kawasaki	460
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	1.0
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	2.4
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	3.5
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	20
Shizuoka Pref.	25	Shimizu Port	10
	26	Riv. Tenryu(Iwata City)	5.1
Aichi Pref.	27	Kinuura Port	45
	28	Nagoya Port	10
Mie Pref.	29	Yokkaichi Port	24
	30	Toba Port	6.5
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	87
	32	Lake Biwa(center, offshore of Karasaki)	11
Kyoto Pref.	33	Miyazu Port	5.6
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	0.4
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	33
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	29
	37	Mouth of Riv. Yodo(Osaka City)	26
	38	Osaka Port	210
	39	Outside Osaka Port	89
Hyogo Pref.	40	Offshore of Himeji	14
Kobe City	41	Kobe Port(center)	120
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	0.8
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.2
Okayama Pref.	44	Offshore of Mizushima	3.0
Hiroshima Pref.	45	Kure Port	740
	46	Hiroshima Bay	25
Yamaguchi Pref.	47	Tokuyama Bay	16
	48	Offshore of Ube	9.8
	49	Offshore of Hagi	2.4
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.8
Kagawa Pref.	51	Takamatsu Port	38
Ehime Pref.	52	Niihama Port	9.3
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	1.3
Kitakyushu City	54	Dokai Bay	1,100
Fukuoka City	55	Hakata Bay	8.9
Saga Pref.	56	Imari Bay	7.1
Nagasaki Pref.	57	Omura Bay	78
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(0.2)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	180

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[2] Hexachlorobenzene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :1
 Quantification limit :3

	stats
Geometric mean	82
Median	65
Maximum	11,000
Minimum	3

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	19
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	110
	3	Tomakomai Port	92
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	21
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	600
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	42
Akita Pref.	7	Lake Hachiro	82
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	52
Fukushima Pref.	9	Onahama Port	11,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	150
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	8
Chiba Pref.	12	Coast of Ichihara and Anegasaki	180
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	20
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	1,000
	15	Mouth of Riv. Sumida(Minato Ward)	1,000
Yokohama City	16	Yokohama Port	360
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	320
	18	Keihin Canal, Port of Kawasaki	1,100
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	55
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	51
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	90
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	8
Nagano Pref.	24	Lake Suwa(center)	620
Shizuoka Pref.	25	Shimizu Port	100
	26	Riv. Tenryu(Iwata City)	34
Aichi Pref.	27	Kinuura Port	59
	28	Nagoya Port	70
Mie Pref.	29	Yokkaichi Port	150
	30	Toba Port	66
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	180
	32	Lake Biwa(center, offshore of Karasaki)	52
Kyoto Pref.	33	Miyazu Port	20
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	27
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	280
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	240
	37	Mouth of Riv. Yodo(Osaka City)	290
	38	Osaka Port	830
	39	Outside Osaka Port	190
Hyogo Pref.	40	Offshore of Himeji	90
Kobe City	41	Kobe Port(center)	150
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	23
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	56
Okayama Pref.	44	Offshore of Mizushima	21
Hiroshima Pref.	45	Kure Port	320
	46	Hiroshima Bay	56
Yamaguchi Pref.	47	Tokuyama Bay	200
	48	Offshore of Ube	48
	49	Offshore of Hagi	21
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	37
Kagawa Pref.	51	Takamatsu Port	280
Ehime Pref.	52	Niihama Port	130
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	46
Kitakyushu City	54	Dokai Bay	1,200
Fukuoka City	55	Hakata Bay	32
Saga Pref.	56	Imari Bay	62
Nagasaki Pref.	57	Omura Bay	42
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	6
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	14
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	5
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	7
Okinawa Pref.	62	Naha Port	63

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[7]Chlordanes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :60/62(Missing value :0)
 Detection Frequency (sample) :60/62(Missing value :0)
 Detection limit :*6.3
 Quantification limit :*20

	stats
Geometric mean	170
Median	150
Maximum	9,400
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(15)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	280
	3	Tomakomai Port	39
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(13)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	65
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	200
Akita Pref.	7	Lake Hachiro	110
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	53
Fukushima Pref.	9	Onahama Port	540
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	65
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	64
Chiba Pref.	12	Coast of Ichihara and Anegasaki	250
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	450
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	3,300
	15	Mouth of Riv. Sumida(Minato Ward)	8,400
Yokohama City	16	Yokohama Port	590
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	2,700
	18	Keihin Canal, Port of Kawasaki	690
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	100
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	120
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	570
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	100
Nagano Pref.	24	Lake Suwa(center)	640
Shizuoka Pref.	25	Shimizu Port	240
	26	Riv. Tenryu(Iwata City)	23
Aichi Pref.	27	Kinuura Port	120
	28	Nagoya Port	200
Mie Pref.	29	Yokkaichi Port	210
	30	Toba Port	110
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,200
	32	Lake Biwa(center, offshore of Karasaki)	240
Kyoto Pref.	33	Miyazu Port	tr(14)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	79
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	6,300
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,300
	37	Mouth of Riv. Yodo(Osaka City)	1,800
	38	Osaka Port	2,400
	39	Outside Osaka Port	290
Hyogo Pref.	40	Offshore of Himeji	280
Kobe City	41	Kobe Port(center)	310
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	490
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	95
Okayama Pref.	44	Offshore of Mizushima	22
Hiroshima Pref.	45	Kure Port	280
	46	Hiroshima Bay	290
Yamaguchi Pref.	47	Tokuyama Bay	58
	48	Offshore of Ube	78
	49	Offshore of Hagi	tr(8.3)
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	40
Kagawa Pref.	51	Takamatsu Port	9,400
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	87
Kitakyushu City	54	Dokai Bay	450
Fukuoka City	55	Hakata Bay	160
Saga Pref.	56	Imari Bay	84
Nagasaki Pref.	57	Omura Bay	97
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	28
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	70
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	34
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	140
Okinawa Pref.	62	Naha Port	9,400

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[7-1]cis-Chlordane/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :1.6
 Quantification limit :4.8

	stats
Geometric mean	47
Median	36
Maximum	2,800
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(3.0)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	50
	3	Tomakomai Port	10
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(2.8)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	14
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	57
Akita Pref.	7	Lake Hachiro	30
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	14
Fukushima Pref.	9	Onahama Port	140
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	17
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	16
Chiba Pref.	12	Coast of Ichihara and Anegasaki	57
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	120
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	960
	15	Mouth of Riv. Sumida(Minato Ward)	2,600
Yokohama City	16	Yokohama Port	150
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	700
	18	Keihin Canal, Port of Kawasaki	170
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	29
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	29
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	150
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	26
Nagano Pref.	24	Lake Suwa(center)	210
Shizuoka Pref.	25	Shimizu Port	63
	26	Riv. Tenryu(Iwata City)	5.7
Aichi Pref.	27	Kinuura Port	27
	28	Nagoya Port	52
Mie Pref.	29	Yokkaichi Port	51
	30	Toba Port	29
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	390
	32	Lake Biwa(center, offshore of Karasaki)	68
Kyoto Pref.	33	Miyazu Port	tr(4.0)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	22
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,700
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,100
	37	Mouth of Riv. Yodo(Osaka City)	500
	38	Osaka Port	620
	39	Outside Osaka Port	73
Hyogo Pref.	40	Offshore of Himeji	71
Kobe City	41	Kobe Port(center)	85
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	130
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	25
Okayama Pref.	44	Offshore of Mizushima	5.9
Hiroshima Pref.	45	Kure Port	64
	46	Hiroshima Bay	66
Yamaguchi Pref.	47	Tokuyama Bay	15
	48	Offshore of Ube	23
	49	Offshore of Hagi	tr(2.3)
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	10
Kagawa Pref.	51	Takamatsu Port	2,500
Ehime Pref.	52	Niihama Port	tr(1.7)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	22
Kitakyushu City	54	Dokai Bay	110
Fukuoka City	55	Hakata Bay	39
Saga Pref.	56	Imari Bay	21
Nagasaki Pref.	57	Omura Bay	22
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	7.7
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	17
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	7.8
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	32
Okinawa Pref.	62	Naha Port	2,800

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[7-2]trans-Chlordane/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :1
 Quantification limit :4

	stats
Geometric mean	53
Median	41
Maximum	3,000
Minimum	tr(1)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	7
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	150
	3	Tomakomai Port	16
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	4
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	22
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	63
Akita Pref.	7	Lake Hachiro	31
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	15
Fukushima Pref.	9	Onahama Port	180
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	18
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	20
Chiba Pref.	12	Coast of Ichihara and Anegasaki	72
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	120
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	930
	15	Mouth of Riv. Sumida(Minato Ward)	2,500
Yokohama City	16	Yokohama Port	170
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	690
	18	Keihin Canal, Port of Kawasaki	200
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	32
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	33
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	170
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(2)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	28
Nagano Pref.	24	Lake Suwa(center)	180
Shizuoka Pref.	25	Shimizu Port	70
	26	Riv. Tenryu(Iwata City)	6
Aichi Pref.	27	Kinuura Port	34
	28	Nagoya Port	56
Mie Pref.	29	Yokkaichi Port	58
	30	Toba Port	30
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	300
	32	Lake Biwa(center, offshore of Karasaki)	58
Kyoto Pref.	33	Miyazu Port	4
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	24
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,800
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,100
	37	Mouth of Riv. Yodo(Osaka City)	470
	38	Osaka Port	650
	39	Outside Osaka Port	73
Hyogo Pref.	40	Offshore of Himeji	81
Kobe City	41	Kobe Port(center)	90
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	130
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	25
Okayama Pref.	44	Offshore of Mizushima	6
Hiroshima Pref.	45	Kure Port	80
	46	Hiroshima Bay	86
Yamaguchi Pref.	47	Tokuyama Bay	16
	48	Offshore of Ube	25
	49	Offshore of Hagi	tr(2)
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	11
Kagawa Pref.	51	Takamatsu Port	2,800
Ehime Pref.	52	Niihama Port	tr(1)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	24
Kitakyushu City	54	Dokai Bay	150
Fukuoka City	55	Hakata Bay	44
Saga Pref.	56	Imari Bay	24
Nagasaki Pref.	57	Omura Bay	26
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	8
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	18
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	10
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	38
Okinawa Pref.	62	Naha Port	3,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[7-3]Oxychlorane/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :41/62(Missing value :0)
 Detection Frequency (sample) :41/62(Missing value :0)
 Detection limit :1
 Quantification limit :3

	stats
Geometric mean	tr(1)
Median	tr(1)
Maximum	78
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(1)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	12
	3	Tomakomai Port	nd
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	nd
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(1)
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	tr(1)
Fukushima Pref.	9	Onahama Port	tr(1)
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(1)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	4
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	10
	15	Mouth of Riv. Sumida(Minato Ward)	27
Yokohama City	16	Yokohama Port	tr(1)
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	23
	18	Keihin Canal, Port of Kawasaki	tr(1)
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(1)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(2)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	5
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(1)
Nagano Pref.	24	Lake Suwa(center)	tr(1)
Shizuoka Pref.	25	Shimizu Port	tr(2)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(1)
	28	Nagoya Port	nd
Mie Pref.	29	Yokkaichi Port	tr(1)
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	tr(2)
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(1)
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	78
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	22
	37	Mouth of Riv. Yodo(Osaka City)	12
	38	Osaka Port	3
	39	Outside Osaka Port	tr(1)
Hyogo Pref.	40	Offshore of Himeji	tr(2)
Kobe City	41	Kobe Port(center)	tr(1)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	11
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(1)
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(1)
	46	Hiroshima Bay	tr(1)
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(1)
Kagawa Pref.	51	Takamatsu Port	33
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	tr(1)
Kitakyushu City	54	Dokai Bay	tr(1)
Fukuoka City	55	Hakata Bay	tr(1)
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(1)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	3
Okinawa Pref.	62	Naha Port	12

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[7-4]cis-Nonachlor/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :0.7
 Quantification limit :1.7

	stats
Geometric mean	31
Median	25
Maximum	1,500
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(1.3)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	17
	3	Tomakomai Port	5.2
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(1.6)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	15
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	21
Akita Pref.	7	Lake Hachiro	21
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	6.9
Fukushima Pref.	9	Onahama Port	100
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	13
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	7.3
Chiba Pref.	12	Coast of Ichihara and Anegasaki	75
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	73
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	530
	15	Mouth of Riv. Sumida(Minato Ward)	1,200
Yokohama City	16	Yokohama Port	130
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	390
	18	Keihin Canal, Port of Kawasaki	170
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	13
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	17
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	72
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	14
Nagano Pref.	24	Lake Suwa(center)	110
Shizuoka Pref.	25	Shimizu Port	38
	26	Riv. Tenryu(Iwata City)	3.3
Aichi Pref.	27	Kinuura Port	32
	28	Nagoya Port	57
Mie Pref.	29	Yokkaichi Port	51
	30	Toba Port	23
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	260
	32	Lake Biwa(center, offshore of Karasaki)	63
Kyoto Pref.	33	Miyazu Port	2.5
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	9.2
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	730
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	630
	37	Mouth of Riv. Yodo(Osaka City)	310
	38	Osaka Port	540
	39	Outside Osaka Port	67
Hyogo Pref.	40	Offshore of Himeji	47
Kobe City	41	Kobe Port(center)	67
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	60
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	13
Okayama Pref.	44	Offshore of Mizushima	4.3
Hiroshima Pref.	45	Kure Port	72
	46	Hiroshima Bay	66
Yamaguchi Pref.	47	Tokuyama Bay	16
	48	Offshore of Ube	15
	49	Offshore of Hagi	2.0
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	6.2
Kagawa Pref.	51	Takamatsu Port	1,500
Ehime Pref.	52	Niihama Port	tr(1.2)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	14
Kitakyushu City	54	Dokai Bay	81
Fukuoka City	55	Hakata Bay	34
Saga Pref.	56	Imari Bay	18
Nagasaki Pref.	57	Omura Bay	26
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	4.3
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	11
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	5.2
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	23
Okinawa Pref.	62	Naha Port	1,400

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[7-5]trans-Nonachlor/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :2
 Quantification limit :6

	stats
Geometric mean	47
Median	39
Maximum	2,600
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(3)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	50
	3	Tomakomai Port	8
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(5)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	14
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	57
Akita Pref.	7	Lake Hachiro	24
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	16
Fukushima Pref.	9	Onahama Port	120
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	17
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	20
Chiba Pref.	12	Coast of Ichihara and Anegasaki	48
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	130
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	850
	15	Mouth of Riv. Sumida(Minato Ward)	2,100
Yokohama City	16	Yokohama Port	140
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	870
	18	Keihin Canal, Port of Kawasaki	150
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	28
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	35
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	170
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(2)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	31
Nagano Pref.	24	Lake Suwa(center)	140
Shizuoka Pref.	25	Shimizu Port	64
	26	Riv. Tenryu(Iwata City)	8
Aichi Pref.	27	Kinuura Port	23
	28	Nagoya Port	40
Mie Pref.	29	Yokkaichi Port	47
	30	Toba Port	25
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	230
	32	Lake Biwa(center, offshore of Karasaki)	48
Kyoto Pref.	33	Miyazu Port	tr(3)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	23
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	2,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,400
	37	Mouth of Riv. Yodo(Osaka City)	550
	38	Osaka Port	620
	39	Outside Osaka Port	72
Hyogo Pref.	40	Offshore of Himeji	77
Kobe City	41	Kobe Port(center)	70
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	160
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	31
Okayama Pref.	44	Offshore of Mizushima	6
Hiroshima Pref.	45	Kure Port	66
	46	Hiroshima Bay	75
Yamaguchi Pref.	47	Tokuyama Bay	11
	48	Offshore of Ube	15
	49	Offshore of Hagi	tr(2)
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	12
Kagawa Pref.	51	Takamatsu Port	2,600
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	26
Kitakyushu City	54	Dokai Bay	110
Fukuoka City	55	Hakata Bay	38
Saga Pref.	56	Imari Bay	21
Nagasaki Pref.	57	Omura Bay	23
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	8
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	23
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	11
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	48
Okinawa Pref.	62	Naha Port	2,200

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[8]Heptachlors/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :43/62(Missing value :0)
 Detection Frequency (sample) :43/62(Missing value :0)
 Detection limit :*1.6
 Quantification limit :*4.1

	stats
Geometric mean	tr(2.7)
Median	tr(2.9)
Maximum	160
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	6.1
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	160
	3	Tomakomai Port	tr(2.9)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(1.7)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	4.2
Akita Pref.	7	Lake Hachiro	tr(1.9)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	tr(1.6)
Fukushima Pref.	9	Onahama Port	6.3
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(2.3)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	tr(2.3)
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	6.0
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	34
	15	Mouth of Riv. Sumida(Minato Ward)	84
Yokohama City	16	Yokohama Port	5.6
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	20
	18	Keihin Canal, Port of Kawasaki	5.4
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	4.7
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	6.2
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	6.8
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	8.4
Shizuoka Pref.	25	Shimizu Port	tr(2.8)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(3.6)
	28	Nagoya Port	4.2
Mie Pref.	29	Yokkaichi Port	tr(3.2)
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	9.4
	32	Lake Biwa(center, offshore of Karasaki)	tr(1.7)
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	85
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	31
	37	Mouth of Riv. Yodo(Osaka City)	19
	38	Osaka Port	13
	39	Outside Osaka Port	tr(3.8)
Hyogo Pref.	40	Offshore of Himeji	tr(3.0)
Kobe City	41	Kobe Port(center)	nd
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	5.2
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(2.1)
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	4.6
	46	Hiroshima Bay	4.5
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	tr(1.6)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(2.0)
Kagawa Pref.	51	Takamatsu Port	54
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	6.5
Fukuoka City	55	Hakata Bay	tr(2.5)
Saga Pref.	56	Imari Bay	tr(1.7)
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	62

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[8-1]Heptachlor/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :53/62(Missing value :0)
 Detection Frequency (sample) :53/62(Missing value :0)
 Detection limit :0.3
 Quantification limit :0.9

	stats
Geometric mean	1.2
Median	1.1
Maximum	40
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(0.8)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	15
	3	Tomakomai Port	tr(0.4)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(0.7)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	3.4
Akita Pref.	7	Lake Hachiro	tr(0.7)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	3.6
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	1.0
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.6)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	1.2
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	3.3
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	9.7
	15	Mouth of Riv. Sumida(Minato Ward)	18
Yokohama City	16	Yokohama Port	2.6
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	6.5
	18	Keihin Canal, Port of Kawasaki	3.3
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	1.2
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	0.9
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	3.4
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.3)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.3)
Nagano Pref.	24	Lake Suwa(center)	3.0
Shizuoka Pref.	25	Shimizu Port	1.1
	26	Riv. Tenryu(Iwata City)	tr(0.6)
Aichi Pref.	27	Kinuura Port	1.9
	28	Nagoya Port	1.8
Mie Pref.	29	Yokkaichi Port	1.5
	30	Toba Port	tr(0.5)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	3.8
	32	Lake Biwa(center, offshore of Karasaki)	tr(0.6)
Kyoto Pref.	33	Miyazu Port	tr(0.4)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(0.4)
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	18
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8.3
	37	Mouth of Riv. Yodo(Osaka City)	3.8
	38	Osaka Port	7.5
	39	Outside Osaka Port	2.0
Hyogo Pref.	40	Offshore of Himeji	1.2
Kobe City	41	Kobe Port(center)	nd
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	1.2
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(0.7)
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	3.2
	46	Hiroshima Bay	2.1
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	0.9
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(0.5)
Kagawa Pref.	51	Takamatsu Port	13
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	3.5
Fukuoka City	55	Hakata Bay	1.6
Saga Pref.	56	Imari Bay	1.0
Nagasaki Pref.	57	Omura Bay	1.1
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(0.5)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.3)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.3)
Okinawa Pref.	62	Naha Port	40

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[8-2]cis-Heptachlor epoxide/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :51/62(Missing value :0)
 Detection Frequency (sample) :51/62(Missing value :0)
 Detection limit :0.5
 Quantification limit :1.2

	stats
Geometric mean	1.9
Median	1.6
Maximum	150
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	5.3
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	150
	3	Tomakomai Port	2.5
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(1.0)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.8)
Akita Pref.	7	Lake Hachiro	1.2
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.6
Fukushima Pref.	9	Onahama Port	2.7
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	1.3
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.5)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	tr(1.1)
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	2.7
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	24
	15	Mouth of Riv. Sumida(Minato Ward)	66
Yokohama City	16	Yokohama Port	3.0
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	13
	18	Keihin Canal, Port of Kawasaki	2.1
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	3.5
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	5.3
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	3.4
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(0.7)
Nagano Pref.	24	Lake Suwa(center)	5.4
Shizuoka Pref.	25	Shimizu Port	1.7
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	1.7
	28	Nagoya Port	2.4
Mie Pref.	29	Yokkaichi Port	1.7
	30	Toba Port	tr(0.7)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	5.6
	32	Lake Biwa(center, offshore of Karasaki)	tr(1.1)
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	tr(1.0)
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	67
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	23
	37	Mouth of Riv. Yodo(Osaka City)	15
	38	Osaka Port	5.9
	39	Outside Osaka Port	1.8
Hyogo Pref.	40	Offshore of Himeji	1.8
Kobe City	41	Kobe Port(center)	tr(1.0)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	4.0
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.4
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	1.4
	46	Hiroshima Bay	2.4
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	tr(0.7)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	1.5
Kagawa Pref.	51	Takamatsu Port	41
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	1.5
Kitakyushu City	54	Dokai Bay	3.0
Fukuoka City	55	Hakata Bay	tr(0.9)
Saga Pref.	56	Imari Bay	tr(0.7)
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(0.7)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(0.7)
Okinawa Pref.	62	Naha Port	22

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[8-3]trans-Heptachlor epoxide/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :0/62(Missing value :0)
 Detection Frequency (sample) :0/62(Missing value :0)
 Detection limit :0.8
 Quantification limit :2.0

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	nd
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	nd
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	nd
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	nd
	15	Mouth of Riv. Sumida(Minato Ward)	nd
Yokohama City	16	Yokohama Port	nd
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	nd
	18	Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	nd
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	nd
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	37	Mouth of Riv. Yodo(Osaka City)	nd
	38	Osaka Port	nd
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	nd
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	nd
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	nd
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	nd
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[11] HCHs (Hexachlorohexanes)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :*1.4
 Quantification limit :*3.6

	stats
Geometric mean	270
Median	250
Maximum	7,900
Minimum	10

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	45
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,400
	3	Tomakomai Port	120
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	120
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	220
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	13
Akita Pref.	7	Lake Hachiro	930
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	140
Fukushima Pref.	9	Onahama Port	1,400
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	63
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	10
Chiba Pref.	12	Coast of Ichihara and Anegasaki	140
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	58
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	900
	15	Mouth of Riv. Sumida(Minato Ward)	2,200
Yokohama City	16	Yokohama Port	480
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	270
	18	Keihin Canal, Port of Kawasaki	750
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	120
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	150
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	200
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	14
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	10
Nagano Pref.	24	Lake Suwa(center)	780
Shizuoka Pref.	25	Shimizu Port	240
	26	Riv. Tenryu(Iwata City)	36
Aichi Pref.	27	Kinuura Port	830
	28	Nagoya Port	400
Mie Pref.	29	Yokkaichi Port	450
	30	Toba Port	150
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	2,600
	32	Lake Biwa(center, offshore of Karasaki)	510
Kyoto Pref.	33	Miyazu Port	240
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	66
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,700
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,900
	37	Mouth of Riv. Yodo(Osaka City)	4,000
	38	Osaka Port	4,000
	39	Outside Osaka Port	1,900
Hyogo Pref.	40	Offshore of Himeji	770
Kobe City	41	Kobe Port(center)	1,100
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	50
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	210
Okayama Pref.	44	Offshore of Mizushima	91
Hiroshima Pref.	45	Kure Port	1,200
	46	Hiroshima Bay	680
Yamaguchi Pref.	47	Tokuyama Bay	230
	48	Offshore of Ube	650
	49	Offshore of Hagi	110
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	88
Kagawa Pref.	51	Takamatsu Port	1,700
Ehime Pref.	52	Niihama Port	15
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	160
Kitakyushu City	54	Dokai Bay	7,900
Fukuoka City	55	Hakata Bay	590
Saga Pref.	56	Imari Bay	1,200
Nagasaki Pref.	57	Omura Bay	760
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	42
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	350
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	15
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	130
Okinawa Pref.	62	Naha Port	250

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[11-1] α -HCH• sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.5

	stats
Geometric mean	77
Median	86
Maximum	1,900
Minimum	1.0

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	10
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	440
	3	Tomakomai Port	44
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	55
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	77
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	3.8
Akita Pref.	7	Lake Hachiro	150
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	32
Fukushima Pref.	9	Onahama Port	650
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	18
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	3.0
Chiba Pref.	12	Coast of Ichihara and Anegasaki	53
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	16
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	340
	15	Mouth of Riv. Sumida(Minato Ward)	760
Yokohama City	16	Yokohama Port	200
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	92
	18	Keihin Canal, Port of Kawasaki	280
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	27
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	33
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	66
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	1.7
Nagano Pref.	24	Lake Suwa(center)	220
Shizuoka Pref.	25	Shimizu Port	67
	26	Riv. Tenryu(Iwata City)	12
Aichi Pref.	27	Kinuura Port	290
	28	Nagoya Port	160
Mie Pref.	29	Yokkaichi Port	180
	30	Toba Port	45
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	340
	32	Lake Biwa(center, offshore of Karasaki)	95
Kyoto Pref.	33	Miyazu Port	93
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	12
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	620
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	230
	37	Mouth of Riv. Yodo(Osaka City)	350
	38	Osaka Port	1,500
	39	Outside Osaka Port	890
Hyogo Pref.	40	Offshore of Himeji	190
Kobe City	41	Kobe Port(center)	470
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	13
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	63
Okayama Pref.	44	Offshore of Mizushima	30
Hiroshima Pref.	45	Kure Port	490
	46	Hiroshima Bay	270
Yamaguchi Pref.	47	Tokuyama Bay	93
	48	Offshore of Ube	210
	49	Offshore of Hagi	38
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	26
Kagawa Pref.	51	Takamatsu Port	510
Ehime Pref.	52	Niihama Port	1.0
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	46
Kitakyushu City	54	Dokai Bay	1,900
Fukuoka City	55	Hakata Bay	240
Saga Pref.	56	Imari Bay	380
Nagasaki Pref.	57	Omura Bay	260
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	14
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	77
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	2.2
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	26
Okinawa Pref.	62	Naha Port	79

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[11-2] β-HCH• sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.6
 Quantification limit :1.5

	stats
Geometric mean	140
Median	110
Maximum	3,400
Minimum	5.7

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	28
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	710
	3	Tomakomai Port	58
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	29
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	100
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	5.7
Akita Pref.	7	Lake Hachiro	620
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	77
Fukushima Pref.	9	Onahama Port	420
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	33
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	5.9
Chiba Pref.	12	Coast of Ichihara and Anegasaki	53
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	29
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	340
	15	Mouth of Riv. Sumida(Minato Ward)	990
Yokohama City	16	Yokohama Port	170
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	100
	18	Keihin Canal, Port of Kawasaki	300
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	69
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	98
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	100
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	7.5
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	7.1
Nagano Pref.	24	Lake Suwa(center)	430
Shizuoka Pref.	25	Shimizu Port	130
	26	Riv. Tenryu(Iwata City)	16
Aichi Pref.	27	Kinuura Port	330
	28	Nagoya Port	150
Mie Pref.	29	Yokkaichi Port	170
	30	Toba Port	62
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	2,100
	32	Lake Biwa(center, offshore of Karasaki)	380
Kyoto Pref.	33	Miyazu Port	110
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	42
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	850
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,500
	37	Mouth of Riv. Yodo(Osaka City)	3,400
	38	Osaka Port	1,800
	39	Outside Osaka Port	620
Hyogo Pref.	40	Offshore of Himeji	430
Kobe City	41	Kobe Port(center)	450
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	28
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	110
Okayama Pref.	44	Offshore of Mizushima	47
Hiroshima Pref.	45	Kure Port	510
	46	Hiroshima Bay	310
Yamaguchi Pref.	47	Tokuyama Bay	100
	48	Offshore of Ube	340
	49	Offshore of Hagi	59
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	46
Kagawa Pref.	51	Takamatsu Port	950
Ehime Pref.	52	Niihama Port	13
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	80
Kitakyushu City	54	Dokai Bay	2,400
Fukuoka City	55	Hakata Bay	240
Saga Pref.	56	Imari Bay	570
Nagasaki Pref.	57	Omura Bay	390
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	18
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	210
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	9.9
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	77
Okinawa Pref.	62	Naha Port	91

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[11-3] γ -HCH(synonym:Lindane)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.4
 Quantification limit :1.0

	stats
Geometric mean	23
Median	25
Maximum	1,900
Minimum	tr(0.4)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.1
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	74
	3	Tomakomai Port	13
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	17
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	23
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	2.5
Akita Pref.	7	Lake Hachiro	26
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	11
Fukushima Pref.	9	Onahama Port	130
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	3.0
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(0.9)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	22
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	6.9
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	88
	15	Mouth of Riv. Sumida(Minato Ward)	280
Yokohama City	16	Yokohama Port	67
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	45
	18	Keihin Canal, Port of Kawasaki	90
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	8.5
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	9.4
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	15
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	2.0
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	1.1
Nagano Pref.	24	Lake Suwa(center)	44
Shizuoka Pref.	25	Shimizu Port	20
	26	Riv. Tenryu(Iwata City)	5.0
Aichi Pref.	27	Kinuura Port	78
	28	Nagoya Port	42
Mie Pref.	29	Yokkaichi Port	45
	30	Toba Port	33
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	78
	32	Lake Biwa(center, offshore of Karasaki)	12
Kyoto Pref.	33	Miyazu Port	22
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	4.3
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	120
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	53
	37	Mouth of Riv. Yodo(Osaka City)	90
	38	Osaka Port	370
	39	Outside Osaka Port	180
Hyogo Pref.	40	Offshore of Himeji	54
Kobe City	41	Kobe Port(center)	86
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	3.7
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	18
Okayama Pref.	44	Offshore of Mizushima	6.4
Hiroshima Pref.	45	Kure Port	140
	46	Hiroshima Bay	50
Yamaguchi Pref.	47	Tokuyama Bay	18
	48	Offshore of Ube	37
	49	Offshore of Hagi	8.3
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	9.6
Kagawa Pref.	51	Takamatsu Port	77
Ehime Pref.	52	Niihama Port	tr(0.4)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	15
Kitakyushu City	54	Dokai Bay	1,900
Fukuoka City	55	Hakata Bay	43
Saga Pref.	56	Imari Bay	88
Nagasaki Pref.	57	Omura Bay	53
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	4.3
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	34
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	1.3
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	12
Okinawa Pref.	62	Naha Port	70

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[11-4] δ-HCH• sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.2
 Quantification limit :0.6

	stats
Geometric mean	25
Median	22
Maximum	1,700
Minimum	tr(0.2)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.9
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	140
	3	Tomakomai Port	9.6
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	16
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	22
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	1.4
Akita Pref.	7	Lake Hachiro	130
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	18
Fukushima Pref.	9	Onahama Port	180
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	9.3
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	0.6
Chiba Pref.	12	Coast of Ichihara and Anegasaki	15
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	5.6
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	130
	15	Mouth of Riv. Sumida(Minato Ward)	180
Yokohama City	16	Yokohama Port	48
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	31
	18	Keihin Canal, Port of Kawasaki	83
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	17
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	13
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	22
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	1.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	0.6
Nagano Pref.	24	Lake Suwa(center)	85
Shizuoka Pref.	25	Shimizu Port	19
	26	Riv. Tenryu(Iwata City)	3.0
Aichi Pref.	27	Kinuura Port	130
	28	Nagoya Port	51
Mie Pref.	29	Yokkaichi Port	57
	30	Toba Port	11
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	130
	32	Lake Biwa(center, offshore of Karasaki)	27
Kyoto Pref.	33	Miyazu Port	13
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	7.4
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	150
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	83
	37	Mouth of Riv. Yodo(Osaka City)	130
	38	Osaka Port	350
	39	Outside Osaka Port	200
Hyogo Pref.	40	Offshore of Himeji	95
Kobe City	41	Kobe Port(center)	100
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	5.4
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	21
Okayama Pref.	44	Offshore of Mizushima	7.5
Hiroshima Pref.	45	Kure Port	100
	46	Hiroshima Bay	55
Yamaguchi Pref.	47	Tokuyama Bay	21
	48	Offshore of Ube	63
	49	Offshore of Hagi	8.5
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	6.9
Kagawa Pref.	51	Takamatsu Port	200
Ehime Pref.	52	Niihama Port	tr(0.2)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	17
Kitakyushu City	54	Dokai Bay	1,700
Fukuoka City	55	Hakata Bay	65
Saga Pref.	56	Imari Bay	160
Nagasaki Pref.	57	Omura Bay	55
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	5.3
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	31
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	1.1
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	15
Okinawa Pref.	62	Naha Port	13

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[14] Polybromodiphenyl ethers(Br4~Br10)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :*33
 Quantification limit :*89

	stats
Geometric mean	5,000
Median	6,200
Maximum	610,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	400
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	2,000
	3	Tomakomai Port	5,700
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(78)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	6,700
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(67)
Akita Pref.	7	Lake Hachiro	1,600
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	590
Fukushima Pref.	9	Onahama Port	24,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	26,000
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	140
Chiba Pref.	12	Coast of Ichihara and Anegasaki	8,600
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	4,300
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	190,000
	15	Mouth of Riv. Sumida(Minato Ward)	160,000
Yokohama City	16	Yokohama Port	19,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	24,000
	18	Keihin Canal, Port of Kawasaki	60,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	3,100
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	2,100
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	77,000
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(72)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	600
Nagano Pref.	24	Lake Suwa(center)	11,000
Shizuoka Pref.	25	Shimizu Port	2,900
	26	Riv. Tenryu(Iwata City)	150
Aichi Pref.	27	Kinuura Port	17,000
	28	Nagoya Port	170,000
Mie Pref.	29	Yokkaichi Port	49,000
	30	Toba Port	4,500
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	15,000
	32	Lake Biwa(center, offshore of Karasaki)	5,500
Kyoto Pref.	33	Miyazu Port	770
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	950
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	41,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	59,000
	37	Mouth of Riv. Yodo(Osaka City)	44,000
	38	Osaka Port	610,000
	39	Outside Osaka Port	40,000
Hyogo Pref.	40	Offshore of Himeji	7,800
Kobe City	41	Kobe Port(center)	28,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	13,000
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	26,000
Okayama Pref.	44	Offshore of Mizushima	1,300
Hiroshima Pref.	45	Kure Port	23,000
	46	Hiroshima Bay	57,000
Yamaguchi Pref.	47	Tokuyama Bay	550,000
	48	Offshore of Ube	5,900
	49	Offshore of Hagi	420
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	550
Kagawa Pref.	51	Takamatsu Port	360,000
Ehime Pref.	52	Niihama Port	96
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	580
Kitakyushu City	54	Dokai Bay	120,000
Fukuoka City	55	Hakata Bay	6,500
Saga Pref.	56	Imari Bay	3,900
Nagasaki Pref.	57	Omura Bay	1,600
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	150
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	130
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	91
Okinawa Pref.	62	Naha Port	41,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[14-1] Tetrabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :44/62(Missing value :0)
 Detection Frequency (sample) :44/62(Missing value :0)
 Detection limit :4
 Quantification limit :9

	stats
Geometric mean	13
Median	10
Maximum	570
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	12
	3	Tomakomai Port	310
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	16
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	12
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	tr(5)
Fukushima Pref.	9	Onahama Port	380
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(7)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(6)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	21
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	23
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	180
	15	Mouth of Riv. Sumida(Minato Ward)	260
Yokohama City	16	Yokohama Port	54
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	99
	18	Keihin Canal, Port of Kawasaki	570
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(5)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	9
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	tr(5)
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	32
Shizuoka Pref.	25	Shimizu Port	tr(8)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(7)
	28	Nagoya Port	20
Mie Pref.	29	Yokkaichi Port	11
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	97
	32	Lake Biwa(center, offshore of Karasaki)	54
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	230
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	360
	37	Mouth of Riv. Yodo(Osaka City)	220
	38	Osaka Port	170
	39	Outside Osaka Port	37
Hyogo Pref.	40	Offshore of Himeji	13
Kobe City	41	Kobe Port(center)	35
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(8)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	15
	46	Hiroshima Bay	tr(6)
Yamaguchi Pref.	47	Tokuyama Bay	20
	48	Offshore of Ube	tr(4)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	88
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	110
Fukuoka City	55	Hakata Bay	12
Saga Pref.	56	Imari Bay	13
Nagasaki Pref.	57	Omura Bay	tr(5)
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(4)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	30

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-1-1] 2,2',4,4'-Tetrabromodiphenyl ether (#47)/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :44/62(Missing value :0)

Detection Frequency (sample) :44/62(Missing value :0)

Detection limit :4

Quantification limit :9

	stats
Geometric mean	11
Median	tr(8.5)
Maximum	330
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	12
	3	Tomakomai Port	180
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	12
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	tr(8)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	tr(6)
Fukushima Pref.	9	Onahama Port	250
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(7)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(6)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	15
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	17
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	98
	15	Mouth of Riv. Sumida(Minato Ward)	140
Yokohama City	16	Yokohama Port	36
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	60
	18	Keihin Canal, Port of Kawasaki	330
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(5)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	9
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	tr(5)
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	21
Shizuoka Pref.	25	Shimizu Port	tr(8)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(7)
	28	Nagoya Port	15
Mie Pref.	29	Yokkaichi Port	11
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	44
	32	Lake Biwa(center, offshore of Karasaki)	34
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	140
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	250
	37	Mouth of Riv. Yodo(Osaka City)	120
	38	Osaka Port	110
	39	Outside Osaka Port	24
Hyogo Pref.	40	Offshore of Himeji	9
Kobe City	41	Kobe Port(center)	20
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(7)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	15
	46	Hiroshima Bay	tr(6)
Yamaguchi Pref.	47	Tokuyama Bay	20
	48	Offshore of Ube	tr(4)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	67
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	60
Fukuoka City	55	Hakata Bay	12
Saga Pref.	56	Imari Bay	9
Nagasaki Pref.	57	Omura Bay	tr(5)
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(4)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	22

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-2] Pentabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :37/62(Missing value :0)
 Detection Frequency (sample) :37/62(Missing value :0)
 Detection limit :4
 Quantification limit :9

	stats
Geometric mean	10
Median	tr(5.5)
Maximum	560
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(7)
	3	Tomakomai Port	170
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(6)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	tr(6)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	550
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(4)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(4)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	23
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	29
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	170
	15	Mouth of Riv. Sumida(Minato Ward)	210
Yokohama City	16	Yokohama Port	62
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	96
	18	Keihin Canal, Port of Kawasaki	560
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	tr(4)
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	20
Shizuoka Pref.	25	Shimizu Port	tr(5)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(6)
	28	Nagoya Port	16
Mie Pref.	29	Yokkaichi Port	14
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	72
	32	Lake Biwa(center, offshore of Karasaki)	41
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	230
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	37	Mouth of Riv. Yodo(Osaka City)	310
	38	Osaka Port	140
	39	Outside Osaka Port	23
Hyogo Pref.	40	Offshore of Himeji	tr(8)
Kobe City	41	Kobe Port(center)	25
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	9
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	14
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	18
	48	Offshore of Ube	tr(5)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	160
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	74
Fukuoka City	55	Hakata Bay	tr(5)
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	43

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-2-1] 2,2',4,4',5-Pentabromodiphenyl ether (#99)/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :43/62(Missing value :0)
 Detection Frequency (sample) :43/62(Missing value :0)
 Detection limit :2
 Quantification limit :6

	stats
Geometric mean	7
Median	tr(4.5)
Maximum	380
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	7
	3	Tomakomai Port	98
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	7
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	tr(4)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	tr(3)
Fukushima Pref.	9	Onahama Port	380
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(4)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(4)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	13
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	16
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	93
	15	Mouth of Riv. Sumida(Minato Ward)	120
Yokohama City	16	Yokohama Port	42
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	65
	18	Keihin Canal, Port of Kawasaki	310
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(2)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(4)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	tr(4)
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	17
Shizuoka Pref.	25	Shimizu Port	tr(4)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	6
	28	Nagoya Port	12
Mie Pref.	29	Yokkaichi Port	9
	30	Toba Port	tr(2)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	34
	32	Lake Biwa(center, offshore of Karasaki)	25
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	120
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	140
	37	Mouth of Riv. Yodo(Osaka City)	180
	38	Osaka Port	100
	39	Outside Osaka Port	13
Hyogo Pref.	40	Offshore of Himeji	6
Kobe City	41	Kobe Port(center)	14
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	6
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	12
	46	Hiroshima Bay	tr(3)
Yamaguchi Pref.	47	Tokuyama Bay	9
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(2)
Kagawa Pref.	51	Takamatsu Port	72
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	39
Fukuoka City	55	Hakata Bay	tr(5)
Saga Pref.	56	Imari Bay	tr(3)
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	30

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3] Hexabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :44/62(Missing value :0)

Detection Frequency (sample) :44/62(Missing value :0)

Detection limit :2

Quantification limit :6

	stats
Geometric mean	16
Median	24
Maximum	570
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	45
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	27
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	22
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	290
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	21
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	55
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	30
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	450
	15	Mouth of Riv. Sumida(Minato Ward)	570
Yokohama City	16	Yokohama Port	110
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	86
	18	Keihin Canal, Port of Kawasaki	290
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(3)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(2)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	61
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	59
Shizuoka Pref.	25	Shimizu Port	14
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	23
	28	Nagoya Port	160
Mie Pref.	29	Yokkaichi Port	200
	30	Toba Port	25
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	120
	32	Lake Biwa(center, offshore of Karasaki)	39
Kyoto Pref.	33	Miyazu Port	tr(4)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	320
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	160
	37	Mouth of Riv. Yodo(Osaka City)	280
	38	Osaka Port	540
	39	Outside Osaka Port	51
Hyogo Pref.	40	Offshore of Himeji	40
Kobe City	41	Kobe Port(center)	120
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	7
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(3)
Okayama Pref.	44	Offshore of Mizushima	6
Hiroshima Pref.	45	Kure Port	30
	46	Hiroshima Bay	170
Yamaguchi Pref.	47	Tokuyama Bay	390
	48	Offshore of Ube	43
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	420
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	100
Fukuoka City	55	Hakata Bay	6
Saga Pref.	56	Imari Bay	18
Nagasaki Pref.	57	Omura Bay	tr(5)
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	120

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-1] 2,2',4,4',5,5'-Hexabromodiphenyl ether (#153)/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :42/62(Missing value :0)

Detection Frequency (sample) :42/62(Missing value :0)

Detection limit :2

Quantification limit :6

	stats
Geometric mean	tr(5)
Median	tr(3)
Maximum	190
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	26
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(3)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	100
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(3)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	14
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	7
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	57
	15	Mouth of Riv. Sumida(Minato Ward)	72
Yokohama City	16	Yokohama Port	15
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	22
	18	Keihin Canal, Port of Kawasaki	110
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(3)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(2)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	6
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	11
Shizuoka Pref.	25	Shimizu Port	tr(2)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(4)
	28	Nagoya Port	7
Mie Pref.	29	Yokkaichi Port	35
	30	Toba Port	tr(3)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	21
	32	Lake Biwa(center, offshore of Karasaki)	11
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	190
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	66
	37	Mouth of Riv. Yodo(Osaka City)	140
	38	Osaka Port	140
	39	Outside Osaka Port	9
Hyogo Pref.	40	Offshore of Himeji	11
Kobe City	41	Kobe Port(center)	35
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(5)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(3)
Okayama Pref.	44	Offshore of Mizushima	tr(3)
Hiroshima Pref.	45	Kure Port	tr(5)
	46	Hiroshima Bay	tr(3)
Yamaguchi Pref.	47	Tokuyama Bay	14
	48	Offshore of Ube	6
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	tr(2)
Kagawa Pref.	51	Takamatsu Port	150
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	17
Fukuoka City	55	Hakata Bay	tr(3)
Saga Pref.	56	Imari Bay	tr(2)
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	18

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-2] 2,2',4,4',5,6'-Hexabromodiphenyl ether (#154)/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :40/62(Missing value :0)

Detection Frequency (sample) :40/62(Missing value :0)

Detection limit :2

Quantification limit :5

	stats
Geometric mean	tr(4)
Median	tr(4)
Maximum	68
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	tr(2)
	3	Tomakomai Port	11
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	5
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	8
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	68
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	tr(3)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	tr(4)
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	9
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	48
	15	Mouth of Riv. Sumida(Minato Ward)	51
Yokohama City	16	Yokohama Port	9
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	13
	18	Keihin Canal, Port of Kawasaki	34
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(2)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	5
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	14
Shizuoka Pref.	25	Shimizu Port	tr(4)
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(2)
	28	Nagoya Port	8
Mie Pref.	29	Yokkaichi Port	10
	30	Toba Port	tr(4)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	26
	32	Lake Biwa(center, offshore of Karasaki)	8
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	38
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	34
	37	Mouth of Riv. Yodo(Osaka City)	43
	38	Osaka Port	27
	39	Outside Osaka Port	tr(4)
Hyogo Pref.	40	Offshore of Himeji	tr(4)
Kobe City	41	Kobe Port(center)	6
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(2)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(4)
	46	Hiroshima Bay	22
Yamaguchi Pref.	47	Tokuyama Bay	32
	48	Offshore of Ube	9
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	35
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	13
Fukuoka City	55	Hakata Bay	tr(3)
Saga Pref.	56	Imari Bay	tr(4)
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	12

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-4] Heptabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :36/62(Missing value :0)
 Detection Frequency (sample) :36/62(Missing value :0)
 Detection limit :6
 Quantification limit :15

	stats
Geometric mean	18
Median	16
Maximum	580
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	tr(6)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(7)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	20
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	140
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	19
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	46
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	37
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	370
	15	Mouth of Riv. Sumida(Minato Ward)	580
Yokohama City	16	Yokohama Port	92
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	58
	18	Keihin Canal, Port of Kawasaki	94
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	35
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	67
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	tr(6)
	28	Nagoya Port	60
Mie Pref.	29	Yokkaichi Port	340
	30	Toba Port	19
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	89
	32	Lake Biwa(center, offshore of Karasaki)	36
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	340
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	160
	37	Mouth of Riv. Yodo(Osaka City)	130
	38	Osaka Port	480
	39	Outside Osaka Port	51
Hyogo Pref.	40	Offshore of Himeji	75
Kobe City	41	Kobe Port(center)	350
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(13)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(11)
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	33
	46	Hiroshima Bay	100
Yamaguchi Pref.	47	Tokuyama Bay	140
	48	Offshore of Ube	44
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	570
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	130
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	91

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-4-1] 2,2',3,3',4,5',6'-Pentabromodiphenyl ether (#175)/sediment (pg/g-dry) and
 [14-4-2] 2,2',3,4,4',5',6'-Heptabromodiphenyl ether (#183)/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :34/62(Missing value :0)

Detection Frequency (sample) :34/62(Missing value :0)

Detection limit :6

Quantification limit :15

	stats
Geometric mean	tr(13)
Median	tr(9)
Maximum	360
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	tr(6)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	nd
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	tr(9)
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	96
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	tr(8)
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	36
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	20
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	220
	15	Mouth of Riv. Sumida(Minato Ward)	320
Yokohama City	16	Yokohama Port	68
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	27
	18	Keihin Canal, Port of Kawasaki	49
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hajira-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	tr(12)
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	33
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinua Port	nd
	28	Nagoya Port	22
Mie Pref.	29	Yokkaichi Port	280
	30	Toba Port	tr(9)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	50
	32	Lake Biwa(center, offshore of Karasaki)	20
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	270
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	89
	37	Mouth of Riv. Yodo(Osaka City)	82
	38	Osaka Port	290
	39	Outside Osaka Port	26
Hyogo Pref.	40	Offshore of Himeji	56
Kobe City	41	Kobe Port(center)	320
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(13)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	tr(11)
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	20
	46	Hiroshima Bay	26
Yamaguchi Pref.	47	Tokuyama Bay	40
	48	Offshore of Ube	36
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	360
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	55
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	55

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-5] Octabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017

Detection Frequency (site) :48/62(Missing value :0)

Detection Frequency (sample) :48/62(Missing value :0)

Detection limit :2

Quantification limit :5

	stats
Geometric mean	38
Median	58
Maximum	1,900
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	22
	3	Tomakomai Port	43
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	49
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	53
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	10
Fukushima Pref.	9	Onahama Port	380
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	140
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	110
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	91
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	830
	15	Mouth of Riv. Sumida(Minato Ward)	1,100
Yokohama City	16	Yokohama Port	160
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	200
	18	Keihin Canal, Port of Kawasaki	330
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	30
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	27
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	150
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	180
Shizuoka Pref.	25	Shimizu Port	26
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	45
	28	Nagoya Port	290
Mie Pref.	29	Yokkaichi Port	490
	30	Toba Port	32
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	170
	32	Lake Biwa(center, offshore of Karasaki)	70
Kyoto Pref.	33	Miyazu Port	8
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	14
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	560
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	710
	37	Mouth of Riv. Yodo(Osaka City)	430
	38	Osaka Port	1,800
	39	Outside Osaka Port	160
Hyogo Pref.	40	Offshore of Himeji	100
Kobe City	41	Kobe Port(center)	200
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	120
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	110
Okayama Pref.	44	Offshore of Mizushima	tr(4)
Hiroshima Pref.	45	Kure Port	230
	46	Hiroshima Bay	300
Yamaguchi Pref.	47	Tokuyama Bay	1,100
	48	Offshore of Ube	62
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	1,900
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	8
Kitakyushu City	54	Dokai Bay	570
Fukuoka City	55	Hakata Bay	38
Saga Pref.	56	Imari Bay	27
Nagasaki Pref.	57	Omura Bay	8
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	330

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-6] Nonabromodiphenyl ethers/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :5
 Quantification limit :15

	stats
Geometric mean	400
Median	490
Maximum	29,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	34
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	160
	3	Tomakomai Port	340
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(9)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	530
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(6)
Akita Pref.	7	Lake Hachiro	210
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	69
Fukushima Pref.	9	Onahama Port	2,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	2,500
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	17
Chiba Pref.	12	Coast of Ichihara and Anegasaki	760
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	510
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	9,100
	15	Mouth of Riv. Sumida(Minato Ward)	7,600
Yokohama City	16	Yokohama Port	1,100
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	1,500
	18	Keihin Canal, Port of Kawasaki	2,800
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	280
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	130
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	2,700
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(11)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	65
Nagano Pref.	24	Lake Suwa(center)	850
Shizuoka Pref.	25	Shimizu Port	210
	26	Riv. Tenryu(Iwata City)	17
Aichi Pref.	27	Kinuura Port	830
	28	Nagoya Port	7,400
Mie Pref.	29	Yokkaichi Port	3,500
	30	Toba Port	200
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	650
	32	Lake Biwa(center, offshore of Karasaki)	430
Kyoto Pref.	33	Miyazu Port	92
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	140
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	2,600
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7,300
	37	Mouth of Riv. Yodo(Osaka City)	5,100
	38	Osaka Port	25,000
	39	Outside Osaka Port	2,300
Hyogo Pref.	40	Offshore of Himeji	660
Kobe City	41	Kobe Port(center)	2,400
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	1,200
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	2,200
Okayama Pref.	44	Offshore of Mizushima	110
Hiroshima Pref.	45	Kure Port	2,100
	46	Hiroshima Bay	3,600
Yamaguchi Pref.	47	Tokuyama Bay	29,000
	48	Offshore of Ube	440
	49	Offshore of Hagi	40
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	57
Kagawa Pref.	51	Takamatsu Port	24,000
Ehime Pref.	52	Niihama Port	tr(14)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	65
Kitakyushu City	54	Dokai Bay	4,800
Fukuoka City	55	Hakata Bay	470
Saga Pref.	56	Imari Bay	240
Nagasaki Pref.	57	Omura Bay	100
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(14)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(14)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(12)
Okinawa Pref.	62	Naha Port	2,500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-7] Decabromodiphenyl ether/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :10
 Quantification limit :30

	stats
Geometric mean	4,600
Median	5,700
Maximum	580,000
Minimum	tr(27)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	370
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,800
	3	Tomakomai Port	4,800
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	69
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	6,100
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	61
Akita Pref.	7	Lake Hachiro	1,300
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	510
Fukushima Pref.	9	Onahama Port	20,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	23,000
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	110
Chiba Pref.	12	Coast of Ichihara and Anegasaki	7,600
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	3,600
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	180,000
	15	Mouth of Riv. Sumida(Minato Ward)	150,000
Yokohama City	16	Yokohama Port	17,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	22,000
	18	Keihin Canal, Port of Kawasaki	55,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	2,800
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	1,900
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	74,000
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	61
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	530
Nagano Pref.	24	Lake Suwa(center)	10,000
Shizuoka Pref.	25	Shimizu Port	2,600
	26	Riv. Tenryu(Iwata City)	130
Aichi Pref.	27	Kinuura Port	16,000
	28	Nagoya Port	160,000
Mie Pref.	29	Yokkaichi Port	44,000
	30	Toba Port	4,200
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	14,000
	32	Lake Biwa(center, offshore of Karasaki)	4,800
Kyoto Pref.	33	Miyazu Port	670
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	800
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	37,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	50,000
	37	Mouth of Riv. Yodo(Osaka City)	38,000
	38	Osaka Port	580,000
	39	Outside Osaka Port	37,000
Hyogo Pref.	40	Offshore of Himeji	6,900
Kobe City	41	Kobe Port(center)	25,000
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	12,000
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	24,000
Okayama Pref.	44	Offshore of Mizushima	1,200
Hiroshima Pref.	45	Kure Port	21,000
	46	Hiroshima Bay	53,000
Yamaguchi Pref.	47	Tokuyama Bay	520,000
	48	Offshore of Ube	5,300
	49	Offshore of Hagi	380
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	490
Kagawa Pref.	51	Takamatsu Port	330,000
Ehime Pref.	52	Niihama Port	82
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	510
Kitakyushu City	54	Dokai Bay	110,000
Fukuoka City	55	Hakata Bay	6,000
Saga Pref.	56	Imari Bay	3,600
Nagasaki Pref.	57	Omura Bay	1,500
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	140
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	120
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(27)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	79
Okinawa Pref.	62	Naha Port	38,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[17] Pentachlorobenzene/sediment (pg/g-wet)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.5
 Quantification limit :1.2

	stats
Geometric mean	61
Median	61
Maximum	2,800
Minimum	1.3

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	20
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	120
	3	Tomakomai Port	63
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	21
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	220
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	6.3
Akita Pref.	7	Lake Hachiro	82
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	44
Fukushima Pref.	9	Onahama Port	2,800
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	170
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	5.2
Chiba Pref.	12	Coast of Ichihara and Anegasaki	120
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	17
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	1,200
	15	Mouth of Riv. Sumida(Minato Ward)	1,000
Yokohama City	16	Yokohama Port	220
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	170
	18	Keihin Canal, Port of Kawasaki	1,300
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	67
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	41
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	110
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	5.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	5.1
Nagano Pref.	24	Lake Suwa(center)	830
Shizuoka Pref.	25	Shimizu Port	58
	26	Riv. Tenryu(Iwata City)	19
Aichi Pref.	27	Kinuura Port	52
	28	Nagoya Port	71
Mie Pref.	29	Yokkaichi Port	100
	30	Toba Port	51
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	210
	32	Lake Biwa(center, offshore of Karasaki)	60
Kyoto Pref.	33	Miyazu Port	17
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	34
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	210
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	37	Mouth of Riv. Yodo(Osaka City)	240
	38	Osaka Port	610
	39	Outside Osaka Port	150
Hyogo Pref.	40	Offshore of Himeji	94
Kobe City	41	Kobe Port(center)	150
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	7.5
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	31
Okayama Pref.	44	Offshore of Mizushima	17
Hiroshima Pref.	45	Kure Port	130
	46	Hiroshima Bay	62
Yamaguchi Pref.	47	Tokuyama Bay	93
	48	Offshore of Ube	28
	49	Offshore of Hagi	11
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	23
Kagawa Pref.	51	Takamatsu Port	220
Ehime Pref.	52	Niihama Port	32
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	41
Kitakyushu City	54	Dokai Bay	1,600
Fukuoka City	55	Hakata Bay	28
Saga Pref.	56	Imari Bay	45
Nagasaki Pref.	57	Omura Bay	39
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	3.0
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	9.5
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	1.3
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	3.8
Okinawa Pref.	62	Naha Port	73

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[20] Total Polychlorinated Naphthalenes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :*9.1
 Quantification limit :*27

	stats
Geometric mean	630
Median	800
Maximum	32,000
Minimum	tr(16)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	27
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	280
	3	Tomakomai Port	260
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	110
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	850
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	190
Akita Pref.	7	Lake Hachiro	470
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	200
Fukushima Pref.	9	Onahama Port	3,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	390
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	67
Chiba Pref.	12	Coast of Ichihara and Anegasaki	1,600
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	140
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	4,900
	15	Mouth of Riv. Sumida(Minato Ward)	19,000
Yokohama City	16	Yokohama Port	28,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	7,000
	18	Keihin Canal, Port of Kawasaki	32,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	210
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	210
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1,000
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(20)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	70
Nagano Pref.	24	Lake Suwa(center)	2,800
Shizuoka Pref.	25	Shimizu Port	640
	26	Riv. Tenryu(Iwata City)	60
Aichi Pref.	27	Kinuura Port	890
	28	Nagoya Port	880
Mie Pref.	29	Yokkaichi Port	1,500
	30	Toba Port	3,300
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,100
	32	Lake Biwa(center, offshore of Karasaki)	490
Kyoto Pref.	33	Miyazu Port	1,900
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1,800
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	2,800
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	3,000
	37	Mouth of Riv. Yodo(Osaka City)	3,500
	38	Osaka Port	14,000
	39	Outside Osaka Port	2,600
Hyogo Pref.	40	Offshore of Himeji	800
Kobe City	41	Kobe Port(center)	6,900
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	100
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	350
Okayama Pref.	44	Offshore of Mizushima	140
Hiroshima Pref.	45	Kure Port	6,100
	46	Hiroshima Bay	1,500
Yamaguchi Pref.	47	Tokuyama Bay	410
	48	Offshore of Ube	560
	49	Offshore of Hagi	160
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	140
Kagawa Pref.	51	Takamatsu Port	6,100
Ehime Pref.	52	Niihama Port	tr(20)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	190
Kitakyushu City	54	Dokai Bay	6,600
Fukuoka City	55	Hakata Bay	910
Saga Pref.	56	Imari Bay	1,200
Nagasaki Pref.	57	Omura Bay	790
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	tr(22)
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	38
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(16)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(17)
Okinawa Pref.	62	Naha Port	4,100

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[20-1] monochlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :55/62(Missing value :0)
 Detection Frequency (sample) :55/62(Missing value :0)
 Detection limit :6
 Quantification limit :18

	stats
Geometric mean	66
Median	76
Maximum	5,500
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	tr(8)
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	46
	3	Tomakomai Port	52
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	tr(11)
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	69
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	18
Akita Pref.	7	Lake Hachiro	40
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	170
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	24
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	140
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	tr(12)
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	400
	15	Mouth of Riv. Sumida(Minato Ward)	1,300
Yokohama City	16	Yokohama Port	3,600
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	550
	18	Keihin Canal, Port of Kawasaki	3,700
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(14)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	tr(16)
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	84
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(9)
Nagano Pref.	24	Lake Suwa(center)	120
Shizuoka Pref.	25	Shimizu Port	48
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	92
	28	Nagoya Port	160
Mie Pref.	29	Yokkaichi Port	210
	30	Toba Port	210
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	97
	32	Lake Biwa(center, offshore of Karasaki)	48
Kyoto Pref.	33	Miyazu Port	490
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	210
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	160
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	320
	37	Mouth of Riv. Yodo(Osaka City)	270
	38	Osaka Port	5,500
	39	Outside Osaka Port	570
Hyogo Pref.	40	Offshore of Himeji	88
Kobe City	41	Kobe Port(center)	270
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(9)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	18
Okayama Pref.	44	Offshore of Mizushima	30
Hiroshima Pref.	45	Kure Port	340
	46	Hiroshima Bay	120
Yamaguchi Pref.	47	Tokuyama Bay	83
	48	Offshore of Ube	53
	49	Offshore of Hagi	18
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	25
Kagawa Pref.	51	Takamatsu Port	1,300
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	31
Kitakyushu City	54	Dokai Bay	390
Fukuoka City	55	Hakata Bay	63
Saga Pref.	56	Imari Bay	130
Nagasaki Pref.	57	Omura Bay	100
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	tr(16)
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(6)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	630

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-2] dichlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.4
 Quantification limit :1.1

	stats
Geometric mean	74
Median	77
Maximum	9,000
Minimum	2.3

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.4
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	26
	3	Tomakomai Port	53
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	6.9
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	82
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	2.6
Akita Pref.	7	Lake Hachiro	56
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	12
Fukushima Pref.	9	Onahama Port	280
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisuru City)	38
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	3.9
Chiba Pref.	12	Coast of Ichihara and Anegasaki	240
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	12
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	630
	15	Mouth of Riv. Sumida(Minato Ward)	3,800
Yokohama City	16	Yokohama Port	8,200
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	1,400
	18	Keihin Canal, Port of Kawasaki	9,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	21
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	15
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	92
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	3.9
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	5.6
Nagano Pref.	24	Lake Suwa(center)	260
Shizuoka Pref.	25	Shimizu Port	56
	26	Riv. Tenryu(Iwata City)	14
Aichi Pref.	27	Kinuura Port	130
	28	Nagoya Port	150
Mie Pref.	29	Yokkaichi Port	150
	30	Toba Port	660
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	120
	32	Lake Biwa(center, offshore of Karasaki)	44
Kyoto Pref.	33	Miyazu Port	960
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	290
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	160
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	230
	37	Mouth of Riv. Yodo(Osaka City)	420
	38	Osaka Port	1,600
	39	Outside Osaka Port	320
Hyogo Pref.	40	Offshore of Himeji	100
Kobe City	41	Kobe Port(center)	690
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	6.9
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	26
Okayama Pref.	44	Offshore of Mizushima	23
Hiroshima Pref.	45	Kure Port	710
	46	Hiroshima Bay	180
Yamaguchi Pref.	47	Tokuyama Bay	72
	48	Offshore of Ube	53
	49	Offshore of Hagi	21
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	19
Kagawa Pref.	51	Takamatsu Port	1,200
Ehime Pref.	52	Niihama Port	3.6
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	18
Kitakyushu City	54	Dokai Bay	440
Fukuoka City	55	Hakata Bay	63
Saga Pref.	56	Imari Bay	120
Nagasaki Pref.	57	Omura Bay	110
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	3.7
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	4.2
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	2.3
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	4.2
Okinawa Pref.	62	Naha Port	860

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[20-3] trichlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.5
 Quantification limit :1.3

	stats
Geometric mean	100
Median	150
Maximum	7,400
Minimum	tr(1.1)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.1
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	41
	3	Tomakomai Port	36
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	14
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	140
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	13
Akita Pref.	7	Lake Hachiro	90
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	32
Fukushima Pref.	9	Onahama Port	480
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	48
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	15
Chiba Pref.	12	Coast of Ichihara and Anegasaki	300
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	13
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	870
	15	Mouth of Riv. Sumida(Minato Ward)	4,100
Yokohama City	16	Yokohama Port	5,800
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	1,200
	18	Keihin Canal, Port of Kawasaki	7,400
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	42
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	38
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	240
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	7.4
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	8.4
Nagano Pref.	24	Lake Suwa(center)	540
Shizuoka Pref.	25	Shimizu Port	94
	26	Riv. Tenryu(Iwata City)	9.8
Aichi Pref.	27	Kinuura Port	200
	28	Nagoya Port	170
Mie Pref.	29	Yokkaichi Port	170
	30	Toba Port	1,100
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	190
	32	Lake Biwa(center, offshore of Karasaki)	78
Kyoto Pref.	33	Miyazu Port	190
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	420
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	410
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	460
	37	Mouth of Riv. Yodo(Osaka City)	640
	38	Osaka Port	2,300
	39	Outside Osaka Port	440
Hyogo Pref.	40	Offshore of Himeji	160
Kobe City	41	Kobe Port(center)	1,600
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	8.9
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	63
Okayama Pref.	44	Offshore of Mizushima	27
Hiroshima Pref.	45	Kure Port	1,400
	46	Hiroshima Bay	330
Yamaguchi Pref.	47	Tokuyama Bay	65
	48	Offshore of Ube	110
	49	Offshore of Hagi	39
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	19
Kagawa Pref.	51	Takamatsu Port	690
Ehime Pref.	52	Niihama Port	2.1
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	25
Kitakyushu City	54	Dokai Bay	1,100
Fukuoka City	55	Hakata Bay	150
Saga Pref.	56	Imari Bay	200
Nagasaki Pref.	57	Omura Bay	170
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	4.5
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	4.2
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	1.8
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	tr(1.1)
Okinawa Pref.	62	Naha Port	620

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[20-4] tetrachlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.5
 Quantification limit :1.5

	stats
Geometric mean	210
Median	250
Maximum	5,900
Minimum	5.7

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	9.9
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	110
	3	Tomakomai Port	70
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	44
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	280
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	95
Akita Pref.	7	Lake Hachiro	170
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	100
Fukushima Pref.	9	Onahama Port	1,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	130
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	32
Chiba Pref.	12	Coast of Ichihara and Anegasaki	520
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	49
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	1,600
	15	Mouth of Riv. Sumida(Minato Ward)	5,900
Yokohama City	16	Yokohama Port	4,500
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	2,000
	18	Keihin Canal, Port of Kawasaki	5,800
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	80
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	80
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	400
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	7.3
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	27
Nagano Pref.	24	Lake Suwa(center)	1,100
Shizuoka Pref.	25	Shimizu Port	250
	26	Riv. Tenryu(Iwata City)	28
Aichi Pref.	27	Kinuura Port	300
	28	Nagoya Port	250
Mie Pref.	29	Yokkaichi Port	370
	30	Toba Port	990
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	390
	32	Lake Biwa(center, offshore of Karasaki)	170
Kyoto Pref.	33	Miyazu Port	200
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	620
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,200
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,100
	37	Mouth of Riv. Yodo(Osaka City)	1,100
	38	Osaka Port	2,500
	39	Outside Osaka Port	780
Hyogo Pref.	40	Offshore of Himeji	270
Kobe City	41	Kobe Port(center)	2,700
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	33
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	150
Okayama Pref.	44	Offshore of Mizushima	38
Hiroshima Pref.	45	Kure Port	2,400
	46	Hiroshima Bay	530
Yamaguchi Pref.	47	Tokuyama Bay	93
	48	Offshore of Ube	230
	49	Offshore of Hagi	54
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	49
Kagawa Pref.	51	Takamatsu Port	1,600
Ehime Pref.	52	Niihama Port	9.1
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	74
Kitakyushu City	54	Dokai Bay	2,200
Fukuoka City	55	Hakata Bay	390
Saga Pref.	56	Imari Bay	480
Nagasaki Pref.	57	Omura Bay	270
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	9.0
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	10
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	5.7
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	6.3
Okinawa Pref.	62	Naha Port	1,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[20-5] pentachlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :0.5
 Quantification limit :1.5

	stats
Geometric mean	110
Median	120
Maximum	3,300
Minimum	tr(0.5)

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	3.0
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	51
	3	Tomakomai Port	37
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	26
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	190
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	54
Akita Pref.	7	Lake Hachiro	86
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	46
Fukushima Pref.	9	Onahama Port	600
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	79
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	15
Chiba Pref.	12	Coast of Ichihara and Anegasaki	300
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	43
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	960
	15	Mouth of Riv. Sumida(Minato Ward)	3,300
Yokohama City	16	Yokohama Port	3,200
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	1,400
	18	Keihin Canal, Port of Kawasaki	2,800
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	43
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	45
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	190
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	tr(0.9)
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	19
Nagano Pref.	24	Lake Suwa(center)	610
Shizuoka Pref.	25	Shimizu Port	150
	26	Riv. Tenryu(Iwata City)	8.6
Aichi Pref.	27	Kinuura Port	140
	28	Nagoya Port	120
Mie Pref.	29	Yokkaichi Port	290
	30	Toba Port	250
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	230
	32	Lake Biwa(center, offshore of Karasaki)	110
Kyoto Pref.	33	Miyazu Port	74
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	230
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	730
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	740
	37	Mouth of Riv. Yodo(Osaka City)	810
	38	Osaka Port	1,400
	39	Outside Osaka Port	380
Hyogo Pref.	40	Offshore of Himeji	140
Kobe City	41	Kobe Port(center)	1,200
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	39
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	74
Okayama Pref.	44	Offshore of Mizushima	16
Hiroshima Pref.	45	Kure Port	1,000
	46	Hiroshima Bay	260
Yamaguchi Pref.	47	Tokuyama Bay	56
	48	Offshore of Ube	92
	49	Offshore of Hagi	21
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	21
Kagawa Pref.	51	Takamatsu Port	1,100
Ehime Pref.	52	Niihama Port	3.6
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	40
Kitakyushu City	54	Dokai Bay	1,300
Fukuoka City	55	Hakata Bay	200
Saga Pref.	56	Imari Bay	220
Nagasaki Pref.	57	Omura Bay	110
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	4.7
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	3.5
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(0.5)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	5.0
Okinawa Pref.	62	Naha Port	840

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[20-6] hexachlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :55/62(Missing value :0)
 Detection Frequency (sample) :55/62(Missing value :0)
 Detection limit :0.6
 Quantification limit :1.6

	stats
Geometric mean	22
Median	28
Maximum	2,300
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	8.0
	3	Tomakomai Port	8.5
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	3.7
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	67
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	8.3
Akita Pref.	7	Lake Hachiro	23
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	6.5
Fukushima Pref.	9	Onahama Port	260
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	50
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	tr(1.5)
Chiba Pref.	12	Coast of Ichihara and Anegasaki	98
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	8.3
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	330
	15	Mouth of Riv. Sumida(Minato Ward)	780
Yokohama City	16	Yokohama Port	1,700
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	400
	18	Keihin Canal, Port of Kawasaki	2,300
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	7.6
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	12
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	31
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	tr(1.5)
Nagano Pref.	24	Lake Suwa(center)	110
Shizuoka Pref.	25	Shimizu Port	31
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	27
	28	Nagoya Port	29
Mie Pref.	29	Yokkaichi Port	170
	30	Toba Port	42
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	74
	32	Lake Biwa(center, offshore of Karasaki)	31
Kyoto Pref.	33	Miyazu Port	14
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	24
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	140
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	150
	37	Mouth of Riv. Yodo(Osaka City)	190
	38	Osaka Port	470
	39	Outside Osaka Port	130
Hyogo Pref.	40	Offshore of Himeji	34
Kobe City	41	Kobe Port(center)	380
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	6.3
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	14
Okayama Pref.	44	Offshore of Mizushima	5.2
Hiroshima Pref.	45	Kure Port	250
	46	Hiroshima Bay	60
Yamaguchi Pref.	47	Tokuyama Bay	27
	48	Offshore of Ube	22
	49	Offshore of Hagi	3.4
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	2.6
Kagawa Pref.	51	Takamatsu Port	150
Ehime Pref.	52	Niihama Port	tr(0.9)
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	3.9
Kitakyushu City	54	Dokai Bay	800
Fukuoka City	55	Hakata Bay	35
Saga Pref.	56	Imari Bay	41
Nagasaki Pref.	57	Omura Bay	25
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	150

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-7] heptachlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :52/62(Missing value :0)
 Detection Frequency (sample) :52/62(Missing value :0)
 Detection limit :0.3
 Quantification limit :0.7

	stats
Geometric mean	4.4
Median	5.1
Maximum	680
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1.4
	3	Tomakomai Port	2.6
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	15
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(0.4)
Akita Pref.	7	Lake Hachiro	6.5
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	1.3
Fukushima Pref.	9	Onahama Port	120
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	20
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	20
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	1.1
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	100
	15	Mouth of Riv. Sumida(Minato Ward)	150
Yokohama City	16	Yokohama Port	500
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	59
	18	Keihin Canal, Port of Kawasaki	680
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	1.7
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	4.7
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	4.2
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	12
Shizuoka Pref.	25	Shimizu Port	5.9
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	2.9
	28	Nagoya Port	4.3
Mie Pref.	29	Yokkaichi Port	86
	30	Toba Port	5.9
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	17
	32	Lake Biwa(center, offshore of Karasaki)	5.4
Kyoto Pref.	33	Miyazu Port	2.2
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	1.8
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	19
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
	37	Mouth of Riv. Yodo(Osaka City)	25
	38	Osaka Port	63
	39	Outside Osaka Port	24
Hyogo Pref.	40	Offshore of Himeji	6.0
Kobe City	41	Kobe Port(center)	63
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	tr(0.3)
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	1.2
Okayama Pref.	44	Offshore of Mizushima	1.5
Hiroshima Pref.	45	Kure Port	34
	46	Hiroshima Bay	12
Yamaguchi Pref.	47	Tokuyama Bay	9.2
	48	Offshore of Ube	4.3
	49	Offshore of Hagi	tr(0.5)
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	0.7
Kagawa Pref.	51	Takamatsu Port	15
Ehime Pref.	52	Niihama Port	1.2
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	tr(0.4)
Kitakyushu City	54	Dokai Bay	280
Fukuoka City	55	Hakata Bay	7.9
Saga Pref.	56	Imari Bay	8.8
Nagasaki Pref.	57	Omura Bay	4.2
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	12

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-8] octachlorinated Naphthalene/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :43/62(Missing value :0)
 Detection Frequency (sample) :43/62(Missing value :0)
 Detection limit :0.3
 Quantification limit :0.8

	stats
Geometric mean	1.4
Median	1.2
Maximum	270
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	0.8
	3	Tomakomai Port	0.8
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	2.6
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	2.3
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	0.9
Fukushima Pref.	9	Onahama Port	41
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	2.6
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	8.9
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	tr(0.3)
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	25
	15	Mouth of Riv. Sumida(Minato Ward)	29
Yokohama City	16	Yokohama Port	270
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	12
	18	Keihin Canal, Port of Kawasaki	220
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	tr(0.6)
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	3.8
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	1.3
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	2.5
Shizuoka Pref.	25	Shimizu Port	2.2
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	1.0
	28	Nagoya Port	1.0
Mie Pref.	29	Yokkaichi Port	31
	30	Toba Port	2.5
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	3.2
	32	Lake Biwa(center, offshore of Karasaki)	1.1
Kyoto Pref.	33	Miyazu Port	tr(0.4)
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	4.3
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4.8
	37	Mouth of Riv. Yodo(Osaka City)	3.9
	38	Osaka Port	11
	39	Outside Osaka Port	4.9
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	13
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	tr(0.6)
Hiroshima Pref.	45	Kure Port	8.6
	46	Hiroshima Bay	3.5
Yamaguchi Pref.	47	Tokuyama Bay	2.9
	48	Offshore of Ube	tr(0.7)
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	4.3
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	79
Fukuoka City	55	Hakata Bay	1.5
Saga Pref.	56	Imari Bay	1.2
Nagasaki Pref.	57	Omura Bay	1.2
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	3.8

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[22] Pentachlorophenol and its salts and esters/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :*4
 Quantification limit :*9

	stats
Geometric mean	410
Median	470
Maximum	7,400
Minimum	9

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	180
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,300
	3	Tomakomai Port	180
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	160
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	440
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	50
Akita Pref.	7	Lake Hachiro	1,400
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	260
Fukushima Pref.	9	Onahama Port	1,900
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	240
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	79
Chiba Pref.	12	Coast of Ichihara and Anegasaki	7,400
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	120
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	3,000
	15	Mouth of Riv. Sumida(Minato Ward)	4,800
Yokohama City	16	Yokohama Port	1,300
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	620
	18	Keihin Canal, Port of Kawasaki	1,900
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	340
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	170
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	230
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	15
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	140
Nagano Pref.	24	Lake Suwa(center)	3,400
Shizuoka Pref.	25	Shimizu Port	290
	26	Riv. Tenryu(Iwata City)	150
Aichi Pref.	27	Kinuura Port	1,300
	28	Nagoya Port	640
Mie Pref.	29	Yokkaichi Port	1,400
	30	Toba Port	940
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,600
	32	Lake Biwa(center, offshore of Karasaki)	380
Kyoto Pref.	33	Miyazu Port	110
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	560
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,100
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,700
	37	Mouth of Riv. Yodo(Osaka City)	4,600
	38	Osaka Port	7,000
	39	Outside Osaka Port	1,500
Hyogo Pref.	40	Offshore of Himeji	490
Kobe City	41	Kobe Port(center)	1,300
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	150
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	420
Okayama Pref.	44	Offshore of Mizushima	66
Hiroshima Pref.	45	Kure Port	780
	46	Hiroshima Bay	490
Yamaguchi Pref.	47	Tokuyama Bay	86
	48	Offshore of Ube	95
	49	Offshore of Hagi	100
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	68
Kagawa Pref.	51	Takamatsu Port	1,300
Ehime Pref.	52	Niihama Port	9
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	620
Kitakyushu City	54	Dokai Bay	1,000
Fukuoka City	55	Hakata Bay	170
Saga Pref.	56	Imari Bay	760
Nagasaki Pref.	57	Omura Bay	200
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	49
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	550
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	21
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	110
Okinawa Pref.	62	Naha Port	2,600

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[22-1] Pentachlorophenol/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :62/62(Missing value :0)
 Detection Frequency (sample) :62/62(Missing value :0)
 Detection limit :2
 Quantification limit :4

	stats
Geometric mean	350
Median	390
Maximum	7,400
Minimum	8

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	130
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	1,100
	3	Tomakomai Port	170
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	42
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	420
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	29
Akita Pref.	7	Lake Hachiro	1,300
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	230
Fukushima Pref.	9	Onahama Port	1,800
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	220
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	59
Chiba Pref.	12	Coast of Ichihara and Anegasaki	7,400
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	110
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	2,900
	15	Mouth of Riv. Sumida(Minato Ward)	4,600
Yokohama City	16	Yokohama Port	1,300
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	510
	18	Keihin Canal, Port of Kawasaki	1,800
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	310
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	140
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	200
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	8
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	110
Nagano Pref.	24	Lake Suwa(center)	3,300
Shizuoka Pref.	25	Shimizu Port	270
	26	Riv. Tenryu(Iwata City)	64
Aichi Pref.	27	Kinuura Port	1,300
	28	Nagoya Port	610
Mie Pref.	29	Yokkaichi Port	1,300
	30	Toba Port	890
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	1,500
	32	Lake Biwa(center, offshore of Karasaki)	350
Kyoto Pref.	33	Miyazu Port	99
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	420
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	1,000
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,600
	37	Mouth of Riv. Yodo(Osaka City)	4,400
	38	Osaka Port	6,800
	39	Outside Osaka Port	1,500
Hyogo Pref.	40	Offshore of Himeji	450
Kobe City	41	Kobe Port(center)	1,300
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	140
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	270
Okayama Pref.	44	Offshore of Mizushima	59
Hiroshima Pref.	45	Kure Port	710
	46	Hiroshima Bay	460
Yamaguchi Pref.	47	Tokuyama Bay	81
	48	Offshore of Ube	84
	49	Offshore of Hagi	100
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	48
Kagawa Pref.	51	Takamatsu Port	1,200
Ehime Pref.	52	Niihama Port	9
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	480
Kitakyushu City	54	Dokai Bay	1,000
Fukuoka City	55	Hakata Bay	160
Saga Pref.	56	Imari Bay	730
Nagasaki Pref.	57	Omura Bay	190
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	43
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	360
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	18
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	86
Okinawa Pref.	62	Naha Port	2,500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[22-2] Pentachloroanisole/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :61/62(Missing value :0)
 Detection Frequency (sample) :61/62(Missing value :0)
 Detection limit :2
 Quantification limit :5

	stats
Geometric mean	34
Median	32
Maximum	190
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	55
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	160
	3	Tomakomai Port	13
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	120
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	19
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	21
Akita Pref.	7	Lake Hachiro	50
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	29
Fukushima Pref.	9	Onahama Port	95
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	17
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	20
Chiba Pref.	12	Coast of Ichihara and Anegasaki	16
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	7
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	130
	15	Mouth of Riv. Sumida(Minato Ward)	150
Yokohama City	16	Yokohama Port	28
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	110
	18	Keihin Canal, Port of Kawasaki	60
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	32
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	27
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	31
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	7
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	30
Nagano Pref.	24	Lake Suwa(center)	120
Shizuoka Pref.	25	Shimizu Port	23
	26	Riv. Tenryu(Iwata City)	88
Aichi Pref.	27	Kinuura Port	42
	28	Nagoya Port	34
Mie Pref.	29	Yokkaichi Port	61
	30	Toba Port	53
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	150
	32	Lake Biwa(center, offshore of Karasaki)	26
Kyoto Pref.	33	Miyazu Port	14
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	140
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	84
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	120
	37	Mouth of Riv. Yodo(Osaka City)	170
	38	Osaka Port	160
	39	Outside Osaka Port	41
Hyogo Pref.	40	Offshore of Himeji	41
Kobe City	41	Kobe Port(center)	27
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	10
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	150
Okayama Pref.	44	Offshore of Mizushima	7
Hiroshima Pref.	45	Kure Port	66
	46	Hiroshima Bay	28
Yamaguchi Pref.	47	Tokuyama Bay	5
	48	Offshore of Ube	11
	49	Offshore of Hagi	5
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	20
Kagawa Pref.	51	Takamatsu Port	78
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	140
Kitakyushu City	54	Dokai Bay	34
Fukuoka City	55	Hakata Bay	13
Saga Pref.	56	Imari Bay	27
Nagasaki Pref.	57	Omura Bay	13
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	6
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	190
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	tr(3)
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	21
Okinawa Pref.	62	Naha Port	56

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23]Short-chain chlorinated paraffins/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :17/62(Missing value :0)
 Detection Frequency (sample) :17/62(Missing value :0)
 Detection limit :*17,000
 Quantification limit :*43,000

	stats
Geometric mean	tr(5,300)
Median	nd
Maximum	190,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	nd
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(17,000)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	tr(28,000)
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	55,000
	15	Mouth of Riv. Sumida(Minato Ward)	140,000
Yokohama City	16	Yokohama Port	tr(41,000)
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	tr(38,000)
	18	Keihin Canal, Port of Kawasaki	74,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	tr(37,000)
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	tr(27,000)
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(26,000)
	37	Mouth of Riv. Yodo(Osaka City)	nd
	38	Osaka Port	nd
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	tr(17,000)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(23,000)
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	47,000
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	190,000
Fukuoka City	55	Hakata Bay	tr(19,000)
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	tr(24,000)
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	44,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[23-1]Chlorinated decanes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :12/62(Missing value :0)
 Detection Frequency (sample) :12/62(Missing value :0)
 Detection limit :4,000
 Quantification limit :10,000

	stats
Geometric mean	nd
Median	nd
Maximum	17,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	nd
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	nd
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	nd
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	10,000
	15	Mouth of Riv. Sumida(Minato Ward)	17,000
Yokohama City	16	Yokohama Port	12,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	tr(6,500)
	18	Keihin Canal, Port of Kawasaki	tr(9,500)
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	tr(5,800)
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	tr(4,700)
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	37	Mouth of Riv. Yodo(Osaka City)	nd
	38	Osaka Port	nd
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	tr(4,800)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(5,900)
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	tr(5,600)
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	17,000
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	tr(6,000)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-2]Chlorinated undecanes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :19/62(Missing value :0)
 Detection Frequency (sample) :19/62(Missing value :0)
 Detection limit :4,000
 Quantification limit :10,000

	stats
Geometric mean	nd
Median	nd
Maximum	37,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	tr(4,000)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	nd
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	tr(4,000)
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	tr(4,500)
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	19,000
	15	Mouth of Riv. Sumida(Minato Ward)	26,000
Yokohama City	16	Yokohama Port	15,000
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	13,000
	18	Keihin Canal, Port of Kawasaki	22,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	tr(6,100)
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	tr(7,100)
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	tr(4,500)
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(5,400)
	37	Mouth of Riv. Yodo(Osaka City)	nd
	38	Osaka Port	tr(6,300)
	39	Outside Osaka Port	tr(4,200)
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	tr(5,700)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(6,200)
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	tr(9,700)
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	37,000
Fukuoka City	55	Hakata Bay	nd
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	nd
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	10,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-3]Chlorinated dodecanes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :19/62(Missing value :0)
 Detection Frequency (sample) :19/62(Missing value :0)
 Detection limit :4,000
 Quantification limit :11,000

	stats
Geometric mean	nd
Median	nd
Maximum	44,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	tr(9,200)
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(6,700)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	nd
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	tr(7,500)
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	11,000
	15	Mouth of Riv. Sumida(Minato Ward)	33,000
Yokohama City	16	Yokohama Port	tr(4,200)
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	tr(7,200)
	18	Keihin Canal, Port of Kawasaki	17,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	tr(9,200)
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	tr(8,600)
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(7,900)
	37	Mouth of Riv. Yodo(Osaka City)	tr(4,800)
	38	Osaka Port	nd
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	tr(6,600)
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(5,300)
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	14,000
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	44,000
Fukuoka City	55	Hakata Bay	tr(9,700)
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	14,000
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	12,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-4]Chlorinated tridecanes/sediment (pg/g-dry)

Monitored year :2017
 Detection Frequency (site) :18/62(Missing value :0)
 Detection Frequency (sample) :18/62(Missing value :0)
 Detection limit :5,000
 Quantification limit :12,000

	stats
Geometric mean	nd
Median	nd
Maximum	94,000
Minimum	nd

Local communities	No	Monitored sites	Measured value
Hokkaido	1	Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)	nd
	2	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)	nd
	3	Tomakomai Port	nd
Iwate Pref.	4	Riv. Toyosawa(Hanamaki City)	nd
Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	tr(10,000)
Sendai City	6	Hirose-ohashi Bridge, Riv. Hirose(Sendai City)	nd
Akita Pref.	7	Lake Hachiro	nd
Yamagata Pref.	8	Mouth of Riv. Mogami(Sakata City)	nd
Fukushima Pref.	9	Onahama Port	23,000
Ibaraki Pref.	10	Tonekamome-ohashi Bridge, Mouth of Riv. Tone(Kamisu City)	nd
Tochigi Pref.	11	Tagawa Kyubun Area Head Works(Utsunomiya City)	nd
Chiba Pref.	12	Coast of Ichihara and Anegasaki	nd
Chiba City	13	Mouth of Riv. Hanami(Chiba City)	nd
Tokyo Met.	14	Mouth of Riv. Arakawa(Koto Ward)	15,000
	15	Mouth of Riv. Sumida(Minato Ward)	65,000
Yokohama City	16	Yokohama Port	tr(10,000)
Kawasaki City	17	Mouth of Riv. Tama(Kawasaki City)	tr(11,000)
	18	Keihin Canal, Port of Kawasaki	25,000
Niigata Pref.	19	Lower Riv. Shinano(Niigata City)	nd
Toyama Pref.	20	Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)	nd
Ishikawa Pref.	21	Mouth of Riv. Sai(Kanazawa City)	nd
Fukui Pref.	22	Mishima-bashi Bridge, Riv. Shono(Tsuruga City)	nd
Yamanashi Pref.	23	Senshu-bashi Bridge, Riv. Arakawa(Kofu City)	nd
Nagano Pref.	24	Lake Suwa(center)	nd
Shizuoka Pref.	25	Shimizu Port	nd
	26	Riv. Tenryu(Iwata City)	nd
Aichi Pref.	27	Kinuura Port	nd
	28	Nagoya Port	16,000
Mie Pref.	29	Yokkaichi Port	nd
	30	Toba Port	nd
Shiga Pref.	31	Lake Biwa(center, offshore of Minamihira)	nd
	32	Lake Biwa(center, offshore of Karasaki)	nd
Kyoto Pref.	33	Miyazu Port	nd
Kyoto City	34	Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)	nd
Osaka Pref.	35	Mouth of Riv. Yamato(Sakai City)	tr(9,300)
Osaka City	36	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	13,000
	37	Mouth of Riv. Yodo(Osaka City)	tr(7,500)
	38	Osaka Port	tr(7,900)
	39	Outside Osaka Port	nd
Hyogo Pref.	40	Offshore of Himeji	nd
Kobe City	41	Kobe Port(center)	nd
Nara Pref.	42	Taisho-bashi Bridge, Riv. Yamato(Oji Town)	nd
Wakayama Pref.	43	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)	nd
Okayama Pref.	44	Offshore of Mizushima	nd
Hiroshima Pref.	45	Kure Port	tr(5,900)
	46	Hiroshima Bay	nd
Yamaguchi Pref.	47	Tokuyama Bay	nd
	48	Offshore of Ube	nd
	49	Offshore of Hagi	nd
Tokushima Pref.	50	Mouth of Riv. Yoshino(Tokushima City)	nd
Kagawa Pref.	51	Takamatsu Port	18,000
Ehime Pref.	52	Niihama Port	nd
Kochi Pref.	53	Mouth of Riv. Shimanto(Shimanto City)	nd
Kitakyushu City	54	Dokai Bay	94,000
Fukuoka City	55	Hakata Bay	tr(9,000)
Saga Pref.	56	Imari Bay	nd
Nagasaki Pref.	57	Omura Bay	tr(10,000)
Oita Pref.	58	Mouth of Riv. Oita(Oita City)	nd
Miyazaki Pref.	59	Mouth of Riv. Oyodo(Miyazaki City)	nd
Kagoshima Pref.	60	Riv. Amori(Kirishima City)	nd
	61	Gotanda-bashi Bridge, Riv. Gotanda(Ichikikushikino City)	nd
Okinawa Pref.	62	Naha Port	16,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1] Total PCBs /wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :*23

Quantification limit :*68

	stats
Geometric mean	9,700
Median	7,900
Maximum	380,000
Minimum	500

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	2,500	10,000	39,000
Median	1,600	8,300	190,000
Maximum	19,000	160,000	380,000
Minimum	500	860	4,000

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	1,600	
	Yokohama City	2 Yokohama Port	Blue mussel	19,000	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	500	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	2,900	
		2 Offshore of Kushiro	Chum salmon	950	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	4,700	
	Iwate Pref.	4 Yamada Bay	Greenling	5,300	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	7,400	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	2,400	
	Tokyo Met.	7 Tokyo Bay	Sea bass	100,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	32,000	
	Nagoya City	9 Nagoya Port	Striped mullet	26,000	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	16,000	
	Osaka Pref.	11 Osaka Bay	Sea bass	140,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	160,000	
	Tottori Pref.	13 Nakaumi	Sea bass	9,800	
	Hiroshima City	14 Hiroshima Bay	Sea bass	37,000	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	84,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	860	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	8,300	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	3,000	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	890	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	380,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	4,000	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	2,500,000
				Egg of Great Cormorant (Egg white)	4,800
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	14,800,000
Egg of Great Cormorant (Egg white)				37,000	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[1-1] Monochlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	tr(2.1)
Median	tr(1)
Maximum	43
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/19	1/2
Detection Frequency (sample)	3/3	17/19	1/2
Geometric mean	tr(2.4)	tr(2.3)	nd
Median	tr(1)	tr(1)	nd
Maximum	13	43	tr(1)
Minimum	tr(1)	nd	nd

	Local communities	No	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1)
	Yokohama City	2	Yokohama Port	Blue mussel	13
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(1)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1)
		2	Offshore of Kushiro	Chum salmon	tr(1)
		3	Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(1)
	Iwate Pref.	4	Yamada Bay	Greenling	tr(1)
	Miyagi Pref.	5	Sendai Bay(Matsushima Bay)	Greenling	tr(1)
	Ibaraki Pref.	6	Offshore of Joban	Pacific saury	4
	Tokyo Met.	7	Tokyo Bay	Sea bass	10
	Kawasaki City	8	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	4
	Nagoya City	9	Nagoya Port	Striped mullet	12
	Shiga Pref.	10	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(2)
	Osaka Pref.	11	Osaka Bay	Sea bass	43
	Hyogo Pref.	12	Offshore of Himeji	Sea bass	10
	Tottori Pref.	13	Nakaumi	Sea bass	tr(1)
	Hiroshima City	14	Hiroshima Bay	Sea bass	3
	Kagawa Pref.	15	Takamatsu Port	Striped mullet	7
	Kochi Pref.	16	Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd
	Oita Pref.	17	Mouth of Riv. Oita(Oita City)	Sea bass	tr(1)
	Kagoshima Pref.	18	West Coast of Satsuma Peninsula	Sea bass	tr(1)
	Okinawa Pref.	19	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(1)
	Tottori Pref.	2	Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	4
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	34
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-2] Dichlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :22/24(Missing value :0)

Detection Frequency (sample) :22/24(Missing value :0)

Detection limit :4

Quantification limit :12

	stats
Geometric mean	29
Median	19
Maximum	1,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/19	2/2
Detection Frequency (sample)	3/3	17/19	2/2
Geometric mean	37	32	tr(8.5)
Median	31	19	tr(8.5)
Maximum	160	1,000	tr(9)
Minimum	tr(10)	nd	tr(8)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	31	
	Yokohama City	2 Yokohama Port	Blue mussel	160	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(10)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	17	
		2 Offshore of Kushiro	Chum salmon	19	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(7)	
	Iwate Pref.	4 Yamada Bay	Greenling	18	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	19	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	51	
	Tokyo Met.	7 Tokyo Bay	Sea bass	360	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	150	
	Nagoya City	9 Nagoya Port	Striped mullet	300	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(11)	
	Osaka Pref.	11 Osaka Bay	Sea bass	1,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	150	
	Tottori Pref.	13 Nakaumi	Sea bass	18	
	Hiroshima City	14 Hiroshima Bay	Sea bass	67	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	120	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	13	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(4)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(8)	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(9)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	46
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	200
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-3] Trichlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :5

Quantification limit :15

	stats
Geometric mean	290
Median	200
Maximum	17,000
Minimum	tr(7)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	150	310	430
Median	94	220	1,800
Maximum	1,500	17,000	3,500
Minimum	24	tr(7)	54

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	94	
	Yokohama City	2 Yokohama Port	Blue mussel	1,500	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	24	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	110	
		2 Offshore of Kushiro	Chum salmon	70	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	74	
	Iwate Pref.	4 Yamada Bay	Greenling	170	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	240	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	270	
	Tokyo Met.	7 Tokyo Bay	Sea bass	7,800	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	3,600	
	Nagoya City	9 Nagoya Port	Striped mullet	4,100	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	220	
	Osaka Pref.	11 Osaka Bay	Sea bass	17,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	2,000	
	Tottori Pref.	13 Nakaumi	Sea bass	180	
	Hiroshima City	14 Hiroshima Bay	Sea bass	700	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	920	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(12)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	120	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	40	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(7)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	3,500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	54	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	63,000
				Egg of Great Cormorant (Egg white)	220
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	620,000
Egg of Great Cormorant (Egg white)				3,800	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-4] Tetrachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :3

Quantification limit :9

	stats
Geometric mean	1,200
Median	770
Maximum	41,000
Minimum	39

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	430	1,300	2,600
Median	210	940	14,000
Maximum	5,500	41,000	27,000
Minimum	71	39	250

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	210	
	Yokohama City	2 Yokohama Port	Blue mussel	5,500	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	71	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	350	
		2 Offshore of Kushiro	Chum salmon	210	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	360	
	Iwate Pref.	4 Yamada Bay	Greenling	550	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	940	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	560	
	Tokyo Met.	7 Tokyo Bay	Sea bass	30,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	11,000	
	Nagoya City	9 Nagoya Port	Striped mullet	10,000	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	2,200	
	Osaka Pref.	11 Osaka Bay	Sea bass	41,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	15,000	
	Tottori Pref.	13 Nakaumi	Sea bass	960	
	Hiroshima City	14 Hiroshima Bay	Sea bass	3,700	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	4,300	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	64	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	590	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	240	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	39	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	27,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	250	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	200,000
				Egg of Great Cormorant (Egg white)	780
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,800,000
Egg of Great Cormorant (Egg white)				8,300	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :0.7

Quantification limit :1.9

	stats
Geometric mean	8.5
Median	5.7
Maximum	160
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	8.4	8.2	13
Median	4.2	5.8	48
Maximum	40	160	95
Minimum	3.5	nd	tr(1.7)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	4.2	
	Yokohama City	2 Yokohama Port	Blue mussel	40	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	3.5	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(1.0)	
		2 Offshore of Kushiro	Chum salmon	tr(0.9)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	3.6	
	Iwate Pref.	4 Yamada Bay	Greenling	10	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	5.8	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	5.5	
	Tokyo Met.	7 Tokyo Bay	Sea bass	94	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	41	
	Nagoya City	9 Nagoya Port	Striped mullet	43	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	35	
	Osaka Pref.	11 Osaka Bay	Sea bass	160	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	38	
	Tottori Pref.	13 Nakaumi	Sea bass	5.1	
	Hiroshima City	14 Hiroshima Bay	Sea bass	14	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	18	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(1.0)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	3.3	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	4.3	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	95	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(1.7)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	130
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	390
Egg of Great Cormorant (Egg white)				tr(1.6)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :9/24(Missing value :0)

Detection Frequency (sample) :9/24(Missing value :0)

Detection limit :0.6

Quantification limit :1.6

	stats
Geometric mean	tr(0.76)
Median	nd
Maximum	62
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	7/19	1/2
Detection Frequency (sample)	1/3	7/19	1/2
Geometric mean	nd	tr(0.67)	4.3
Median	nd	nd	31
Maximum	tr(1.5)	6.6	62
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(1.5)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	2.9	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1.3)	
	Nagoya City	9 Nagoya Port	Striped mullet	3.2	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	2.6	
	Osaka Pref.	11 Osaka Bay	Sea bass	6.6	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	1.6	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	2.7	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	62	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	460
				Egg of Great Cormorant (Egg white)	tr(0.8)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,300
Egg of Great Cormorant (Egg white)				1.7	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5] Pentachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :3

Quantification limit :9

	stats
Geometric mean	2,600
Median	1,800
Maximum	110,000
Minimum	110

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	700	2,700	10,000
Median	410	2,000	55,000
Maximum	6,100	40,000	110,000
Minimum	140	110	990

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	410	
	Yokohama City	2 Yokohama Port	Blue mussel	6,100	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	140	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	920	
		2 Offshore of Kushiro	Chum salmon	320	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	1,200	
	Iwate Pref.	4 Yamada Bay	Greenling	1,400	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	2,000	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	770	
	Tokyo Met.	7 Tokyo Bay	Sea bass	35,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	10,000	
	Nagoya City	9 Nagoya Port	Striped mullet	7,200	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	6,300	
	Osaka Pref.	11 Osaka Bay	Sea bass	40,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	40,000	
	Tottori Pref.	13 Nakaumi	Sea bass	3,300	
	Hiroshima City	14 Hiroshima Bay	Sea bass	8,800	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	10,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	230	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	1,500	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	820	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	110	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	110,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	990	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	660,000
				Egg of Great Cormorant (Egg white)	1,600
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,700,000
Egg of Great Cormorant (Egg white)				11,000	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :0.8

Quantification limit :2.1

	stats
Geometric mean	140
Median	110
Maximum	15,000
Minimum	7.4

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	36	130	1,300
Median	20	110	7,600
Maximum	320	1,500	15,000
Minimum	7.4	9	110

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	20	
	Yokohama City	2 Yokohama Port	Blue mussel	320	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	7.4	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	65	
		2 Offshore of Kushiro	Chum salmon	12	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	98	
	Iwate Pref.	4 Yamada Bay	Greenling	110	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	150	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	29	
	Tokyo Met.	7 Tokyo Bay	Sea bass	1,300	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	380	
	Nagoya City	9 Nagoya Port	Striped mullet	410	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	360	
	Osaka Pref.	11 Osaka Bay	Sea bass	1,500	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	1,200	
	Tottori Pref.	13 Nakaumi	Sea bass	110	
	Hiroshima City	14 Hiroshima Bay	Sea bass	310	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	260	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	17	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	58	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	64	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	9.0	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	15,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	110	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	99,000
				Egg of Great Cormorant (Egg white)	250
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	400,000
Egg of Great Cormorant (Egg white)				1,200	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :0.9

Quantification limit :2.2

	stats
Geometric mean	14
Median	14
Maximum	1,600
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	3.7	13	140
Median	2.6	15	810
Maximum	18	150	1,600
Minimum	tr(1.1)	nd	13

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	2.6	
	Yokohama City	2 Yokohama Port	Blue mussel	18	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(1.1)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	6.7	
		2 Offshore of Kushiro	Chum salmon	tr(1.3)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	11	
	Iwate Pref.	4 Yamada Bay	Greenling	12	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	18	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	3.8	
	Tokyo Met.	7 Tokyo Bay	Sea bass	110	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	32	
	Nagoya City	9 Nagoya Port	Striped mullet	34	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	35	
	Osaka Pref.	11 Osaka Bay	Sea bass	150	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	120	
	Tottori Pref.	13 Nakaumi	Sea bass	15	
	Hiroshima City	14 Hiroshima Bay	Sea bass	28	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	28	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(2.0)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	6.0	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	7.2	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,600	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	13	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	9,800
				Egg of Great Cormorant (Egg white)	18
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	45,000
Egg of Great Cormorant (Egg white)				93	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-3] 2,3',4,4'-5-Pentachlorobiphenyl (#118)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :0.9

Quantification limit :2.7

	stats
Geometric mean	470
Median	440
Maximum	58,000
Minimum	26

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	120	460	4,800
Median	64	480	29,000
Maximum	950	6,700	58,000
Minimum	27	26	390

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	64	
	Yokohama City	2 Yokohama Port	Blue mussel	950	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	27	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	220	
		2 Offshore of Kushiro	Chum salmon	41	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	310	
	Iwate Pref.	4 Yamada Bay	Greenling	290	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	480	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	95	
	Tokyo Met.	7 Tokyo Bay	Sea bass	5,300	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	1,500	
	Nagoya City	9 Nagoya Port	Striped mullet	1,100	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	940	
	Osaka Pref.	11 Osaka Bay	Sea bass	5,700	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	6,700	
	Tottori Pref.	13 Nakaumi	Sea bass	530	
	Hiroshima City	14 Hiroshima Bay	Sea bass	1,300	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	1,300	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	44	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	220	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	170	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	26	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	58,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	390	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	330,000
				Egg of Great Cormorant (Egg white)	670
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,600,000
Egg of Great Cormorant (Egg white)				3,700	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :0.6

Quantification limit :1.5

	stats
Geometric mean	9
Median	7.6
Maximum	940
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	2.7	8.6	82
Median	1.7	8	470
Maximum	16	100	940
Minimum	tr(0.7)	nd	7.1

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	1.7	
	Yokohama City	2 Yokohama Port	Blue mussel	16	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(0.7)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	3.1	
		2 Offshore of Kushiro	Chum salmon	tr(0.9)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	5.1	
	Iwate Pref.	4 Yamada Bay	Greenling	5.7	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	8.6	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	2.4	
	Tokyo Met.	7 Tokyo Bay	Sea bass	81	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	21	
	Nagoya City	9 Nagoya Port	Striped mullet	26	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	26	
	Osaka Pref.	11 Osaka Bay	Sea bass	100	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	100	
	Tottori Pref.	13 Nakaumi	Sea bass	8.0	
	Hiroshima City	14 Hiroshima Bay	Sea bass	26	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	24	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(1.1)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	4.9	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	4.0	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	940	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	7.1	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	5,900
				Egg of Great Cormorant (Egg white)	10
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	27,000
Egg of Great Cormorant (Egg white)				49	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-5-5] 3,3',4,4',5-Pentachlorobiphenyl (#126)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :19/24(Missing value :0)

Detection Frequency (sample) :19/24(Missing value :0)

Detection limit :0.8

Quantification limit :2.0

	stats
Geometric mean	2.9
Median	2.8
Maximum	250
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	16/19	2/2
Detection Frequency (sample)	1/3	16/19	2/2
Geometric mean	tr(0.82)	2.8	26
Median	nd	2.8	130
Maximum	3.5	21	250
Minimum	nd	nd	2.7

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	3.5	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(1.8)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	3.6	
	Iwate Pref.	4 Yamada Bay	Greenling	2.8	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	2.1	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(1.4)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	9.9	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	3.1	
	Nagoya City	9 Nagoya Port	Striped mullet	3.0	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	9.3	
	Osaka Pref.	11 Osaka Bay	Sea bass	14	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	21	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(1.5)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	6.8	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	11	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(1.6)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(1.5)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	250	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	2.7	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	1,600
				Egg of Great Cormorant (Egg white)	tr(1.2)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,800
Egg of Great Cormorant (Egg white)				3.4	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-6] Hexachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :3

Quantification limit :9

	stats
Geometric mean	3,200
Median	3,200
Maximum	180,000
Minimum	200

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	830	3,300	18,000
Median	620	3,400	91,000
Maximum	4,600	70,000	180,000
Minimum	200	250	1,900

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	620	
	Yokohama City	2 Yokohama Port	Blue mussel	4,600	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	200	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	1,100	
		2 Offshore of Kushiro	Chum salmon	250	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	1,900	
	Iwate Pref.	4 Yamada Bay	Greenling	2,000	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	2,900	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	570	
	Tokyo Met.	7 Tokyo Bay	Sea bass	22,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	5,800	
	Nagoya City	9 Nagoya Port	Striped mullet	3,700	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	6,000	
	Osaka Pref.	11 Osaka Bay	Sea bass	29,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	70,000	
	Tottori Pref.	13 Nakaumi	Sea bass	4,100	
	Hiroshima City	14 Hiroshima Bay	Sea bass	15,000	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	32,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	360	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	3,400	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	1,200	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	270	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	180,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	1,900	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	1,200,000
				Egg of Great Cormorant (Egg white)	1,800
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,800,000
Egg of Great Cormorant (Egg white)				11,000	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :0.9

Quantification limit :2.3

	stats
Geometric mean	52
Median	52
Maximum	6,700
Minimum	2.5

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	11	51	600
Median	6.8	49	3,400
Maximum	54	750	6,700
Minimum	3.4	2.5	54

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	6.8	
	Yokohama City	2 Yokohama Port	Blue mussel	54	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	3.4	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	21	
		2 Offshore of Kushiro	Chum salmon	2.5	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	43	
	Iwate Pref.	4 Yamada Bay	Greenling	42	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	63	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	6.1	
	Tokyo Met.	7 Tokyo Bay	Sea bass	360	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	96	
	Nagoya City	9 Nagoya Port	Striped mullet	90	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	120	
	Osaka Pref.	11 Osaka Bay	Sea bass	420	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	750	
	Tottori Pref.	13 Nakaumi	Sea bass	49	
	Hiroshima City	14 Hiroshima Bay	Sea bass	140	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	270	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	8.5	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	35	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	30	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	4.2	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	6,700	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	54	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	54,000
				Egg of Great Cormorant (Egg white)	56
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	210,000
Egg of Great Cormorant (Egg white)				230	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	14
Median	14
Maximum	1,500
Minimum	tr(1)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	3.1	13	150
Median	tr(2)	12	760
Maximum	15	180	1,500
Minimum	tr(1)	tr(1)	15

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(2)	
	Yokohama City	2 Yokohama Port	Blue mussel	15	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(1)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	8	
		2 Offshore of Kushiro	Chum salmon	tr(1)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	12	
	Iwate Pref.	4 Yamada Bay	Greenling	11	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	20	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(2)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	85	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	24	
	Nagoya City	9 Nagoya Port	Striped mullet	22	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	31	
	Osaka Pref.	11 Osaka Bay	Sea bass	93	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	180	
	Tottori Pref.	13 Nakaumi	Sea bass	12	
	Hiroshima City	14 Hiroshima Bay	Sea bass	37	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	46	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(2)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	9	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	8	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(1)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	15	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	12,000
				Egg of Great Cormorant (Egg white)	11
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	41,000
Egg of Great Cormorant (Egg white)				44	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-6-3] 2,3',4,4',5,5'-Hexachlorobiphenyl (#167)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :0.8

Quantification limit :2.1

	stats
Geometric mean	30
Median	31
Maximum	3,200
Minimum	tr(1.8)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	7.9	30	300
Median	6	33	1,600
Maximum	39	410	3,200
Minimum	2.1	tr(1.8)	28

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	6.0	
	Yokohama City	2 Yokohama Port	Blue mussel	39	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	2.1	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	10	
		2 Offshore of Kushiro	Chum salmon	tr(1.8)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	21	
	Iwate Pref.	4 Yamada Bay	Greenling	23	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	33	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	5.5	
	Tokyo Met.	7 Tokyo Bay	Sea bass	210	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	55	
	Nagoya City	9 Nagoya Port	Striped mullet	43	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	64	
	Osaka Pref.	11 Osaka Bay	Sea bass	230	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	410	
	Tottori Pref.	13 Nakaumi	Sea bass	36	
	Hiroshima City	14 Hiroshima Bay	Sea bass	93	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	180	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	3.7	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	20	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	14	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	2.9	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	3,200	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	28	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	26,000
				Egg of Great Cormorant (Egg white)	22
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	100,000
Egg of Great Cormorant (Egg white)				90	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-6-4] 3,3',4,4',5,5'-Hexachlorobiphenyl (#169)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :11/24(Missing value :0)

Detection Frequency (sample) :11/24(Missing value :0)

Detection limit :0.7

Quantification limit :1.9

	stats
Geometric mean	nd
Median	nd
Maximum	31
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	8/19	2/2
Detection Frequency (sample)	1/3	8/19	2/2
Geometric mean	nd	nd	5.6
Median	nd	nd	16
Maximum	tr(0.9)	3.6	31
Minimum	nd	nd	tr(1)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(0.9)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(0.8)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(0.8)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	tr(1.0)	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(1.3)	
	Osaka Pref.	11 Osaka Bay	Sea bass	tr(0.8)	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	3.6	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	tr(1.3)	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(1.2)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	31	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(1.0)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	290
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	420
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-7] Heptachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	1,200
Median	1,000
Maximum	46,000
Minimum	50

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	240	1,300	5,300
Median	240	1,100	23,000
Maximum	1,100	31,000	46,000
Minimum	50	71	600

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	240	
	Yokohama City	2 Yokohama Port	Blue mussel	1,100	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	50	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	360	
		2 Offshore of Kushiro	Chum salmon	71	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	930	
	Iwate Pref.	4 Yamada Bay	Greenling	970	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	1,100	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	140	
	Tokyo Met.	7 Tokyo Bay	Sea bass	5,800	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	1,400	
	Nagoya City	9 Nagoya Port	Striped mullet	990	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	1,400	
	Osaka Pref.	11 Osaka Bay	Sea bass	9,300	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	31,000	
	Tottori Pref.	13 Nakaumi	Sea bass	1,100	
	Hiroshima City	14 Hiroshima Bay	Sea bass	7,300	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	28,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	160	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	2,200	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	560	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	290	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	46,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	600	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	340,000
				Egg of Great Cormorant (Egg white)	330
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,400,000
Egg of Great Cormorant (Egg white)				2,800	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :4

	stats
Geometric mean	90
Median	97
Maximum	8,400
Minimum	tr(1)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	5.1	110	810
Median	5	100	4,200
Maximum	26	2,400	8,400
Minimum	tr(1)	5	78

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	5	
	Yokohama City	2 Yokohama Port	Blue mussel	26	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(1)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	47	
		2 Offshore of Kushiro	Chum salmon	5	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	93	
	Iwate Pref.	4 Yamada Bay	Greenling	100	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	100	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	10	
	Tokyo Met.	7 Tokyo Bay	Sea bass	510	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	120	
	Nagoya City	9 Nagoya Port	Striped mullet	110	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	160	
	Osaka Pref.	11 Osaka Bay	Sea bass	800	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	2,100	
	Tottori Pref.	13 Nakaumi	Sea bass	83	
	Hiroshima City	14 Hiroshima Bay	Sea bass	470	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	2,400	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	16	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	130	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	52	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	21	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,400	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	78	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	56,000
				Egg of Great Cormorant (Egg white)	75
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	320,000
Egg of Great Cormorant (Egg white)				380	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-7-2] 2,2',3,4,4',5,5'-Heptachlorobiphenyl (#180)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	280
Median	270
Maximum	17,000
Minimum	6

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	28	330	1,800
Median	24	300	8,600
Maximum	150	7,800	17,000
Minimum	6	14	190

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	24	
	Yokohama City	2 Yokohama Port	Blue mussel	150	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	6	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	120	
		2 Offshore of Kushiro	Chum salmon	14	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	300	
	Iwate Pref.	4 Yamada Bay	Greenling	230	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	320	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	30	
	Tokyo Met.	7 Tokyo Bay	Sea bass	1,500	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	340	
	Nagoya City	9 Nagoya Port	Striped mullet	290	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	320	
	Osaka Pref.	11 Osaka Bay	Sea bass	2,400	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	7,600	
	Tottori Pref.	13 Nakaumi	Sea bass	240	
	Hiroshima City	14 Hiroshima Bay	Sea bass	1,600	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	7,800	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	45	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	450	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	150	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	91	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	17,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	190	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	130,000
				Egg of Great Cormorant (Egg white)	99
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	890,000
				Egg of Great Cormorant (Egg white)	750

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :20/24(Missing value :0)

Detection Frequency (sample) :20/24(Missing value :0)

Detection limit :0.9

Quantification limit :2.3

	stats
Geometric mean	5.7
Median	5.3
Maximum	480
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	17/19	2/2
Detection Frequency (sample)	1/3	17/19	2/2
Geometric mean	tr(0.96)	6	55
Median	nd	5.6	240
Maximum	4.4	120	480
Minimum	nd	nd	6.4

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	4.4	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	3.0	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	5.6	
	Iwate Pref.	4 Yamada Bay	Greenling	4.9	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	6.5	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	24	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	5.6	
	Nagoya City	9 Nagoya Port	Striped mullet	5.0	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	10	
	Osaka Pref.	11 Osaka Bay	Sea bass	33	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	120	
	Tottori Pref.	13 Nakaumi	Sea bass	4.7	
	Hiroshima City	14 Hiroshima Bay	Sea bass	25	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	80	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(0.9)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	8.5	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	3.0	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(1.0)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	480	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	6.4	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	4,200
				Egg of Great Cormorant (Egg white)	tr(2.0)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	17,000
Egg of Great Cormorant (Egg white)				8.2	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1-8] Octachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	180
Median	170
Maximum	8,800
Minimum	3

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	13	220	1,100
Median	14	170	4,500
Maximum	53	7,800	8,800
Minimum	3	7	150

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	14	
	Yokohama City	2 Yokohama Port	Blue mussel	53	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	3	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	74	
		2 Offshore of Kushiro	Chum salmon	7	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	160	
	Iwate Pref.	4 Yamada Bay	Greenling	200	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	190	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	16	
	Tokyo Met.	7 Tokyo Bay	Sea bass	770	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	170	
	Nagoya City	9 Nagoya Port	Striped mullet	170	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	200	
	Osaka Pref.	11 Osaka Bay	Sea bass	1,400	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	5,000	
	Tottori Pref.	13 Nakaumi	Sea bass	170	
	Hiroshima City	14 Hiroshima Bay	Sea bass	1,200	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	7,800	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	29	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	470	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	99	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	140	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,800	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	150	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	59,000
				Egg of Great Cormorant (Egg white)	38
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	480,000
Egg of Great Cormorant (Egg white)				320	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-9] Nonachlorobiphenyls/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :22/24(Missing value :0)

Detection Frequency (sample) :22/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	16
Median	18
Maximum	1,100
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	19/19	2/2
Detection Frequency (sample)	1/3	19/19	2/2
Geometric mean	nd	21	180
Median	nd	20	560
Maximum	tr(1)	480	1,100
Minimum	nd	tr(1)	28

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(1)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	9	
		2 Offshore of Kushiro	Chum salmon	tr(1)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	15	
	Iwate Pref.	4 Yamada Bay	Greenling	16	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	21	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(2)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	72	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	16	
	Nagoya City	9 Nagoya Port	Striped mullet	20	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	32	
	Osaka Pref.	11 Osaka Bay	Sea bass	79	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	310	
	Tottori Pref.	13 Nakaumi	Sea bass	11	
	Hiroshima City	14 Hiroshima Bay	Sea bass	77	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	480	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	3	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	34	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	7	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	27	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,100	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	28	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	8,700
				Egg of Great Cormorant (Egg white)	3
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	36,000
Egg of Great Cormorant (Egg white)				15	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[1-10] Decachlorobiphenyl/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :0.8

Quantification limit :2.1

	stats
Geometric mean	6.9
Median	7.6
Maximum	340
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	18/19	2/2
Detection Frequency (sample)	1/3	18/19	2/2
Geometric mean	nd	7.3	96
Median	nd	8	180
Maximum	2.9	48	340
Minimum	nd	nd	27

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	2.9	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	5.8	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	7.1	
	Iwate Pref.	4 Yamada Bay	Greenling	5.0	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	14	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(1.5)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	33	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8.7	
	Nagoya City	9 Nagoya Port	Striped mullet	8.0	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	13	
	Osaka Pref.	11 Osaka Bay	Sea bass	16	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	48	
	Tottori Pref.	13 Nakaumi	Sea bass	4.7	
	Hiroshima City	14 Hiroshima Bay	Sea bass	20	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	38	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(1.8)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	12	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	2.2	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	4.1	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	340	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	27	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	4,900
				Egg of Great Cormorant (Egg white)	tr(1.1)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	8,700
Egg of Great Cormorant (Egg white)				2.2	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[2] Hexachlorobenzene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1.3

Quantification limit :3.9

	stats
Geometric mean	180
Median	170
Maximum	4,900
Minimum	26

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	41	190	1,100
Median	26	180	2,600
Maximum	99	1,100	4,900
Minimum	26	33	230

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	99	
	Yokohama City	2 Yokohama Port	Blue mussel	26	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	26	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	590	
		2 Offshore of Kushiro	Chum salmon	560	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	360	
	Iwate Pref.	4 Yamada Bay	Greenling	680	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	160	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	1,100	
	Tokyo Met.	7 Tokyo Bay	Sea bass	300	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	200	
	Nagoya City	9 Nagoya Port	Striped mullet	110	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	760	
	Osaka Pref.	11 Osaka Bay	Sea bass	100	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	180	
	Tottori Pref.	13 Nakaumi	Sea bass	33	
	Hiroshima City	14 Hiroshima Bay	Sea bass	130	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	430	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	44	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	120	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	39	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	33	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	4,900	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	230	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	35,000
				Egg of Great Cormorant (Egg white)	93
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	24,000
Egg of Great Cormorant (Egg white)				63	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[11] HCHs (Hexachlorohexanes)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :*3.9

Quantification limit :*11

	stats
Geometric mean	100
Median	140
Maximum	4,500
Minimum	tr(4)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	61	84	1,200
Median	67	150	2,400
Maximum	110	400	4,500
Minimum	31	tr(4)	310

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	67	
	Yokohama City	2 Yokohama Port	Blue mussel	31	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	110	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	280	
		2 Offshore of Kushiro	Chum salmon	180	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	130	
	Iwate Pref.	4 Yamada Bay	Greenling	280	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	59	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	280	
	Tokyo Met.	7 Tokyo Bay	Sea bass	160	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	50	
	Nagoya City	9 Nagoya Port	Striped mullet	290	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	350	
	Osaka Pref.	11 Osaka Bay	Sea bass	400	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	150	
	Tottori Pref.	13 Nakaumi	Sea bass	44	
	Hiroshima City	14 Hiroshima Bay	Sea bass	51	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	220	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(6)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	25	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(8)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(4)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	4,500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	310	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	9,000
				Egg of Great Cormorant (Egg white)	230
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	18,000
Egg of Great Cormorant (Egg white)				520	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[11-1] α -HCH wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	22
Median	26
Maximum	930
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	15	20	81
Median	16	29	470
Maximum	32	130	930
Minimum	6	nd	7

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	16	
	Yokohama City	2 Yokohama Port	Blue mussel	6	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	32	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	120	
		2 Offshore of Kushiro	Chum salmon	75	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	29	
	Iwate Pref.	4 Yamada Bay	Greenling	80	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	20	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	72	
	Tokyo Met.	7 Tokyo Bay	Sea bass	29	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	9	
	Nagoya City	9 Nagoya Port	Striped mullet	130	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	38	
	Osaka Pref.	11 Osaka Bay	Sea bass	130	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	23	
	Tottori Pref.	13 Nakaumi	Sea bass	15	
	Hiroshima City	14 Hiroshima Bay	Sea bass	13	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	59	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(2)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	4	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(1)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	930	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	7	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	270
				Egg of Great Cormorant (Egg white)	5
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	560
Egg of Great Cormorant (Egg white)				7	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[11-2] β-HCH wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	66
Median	84
Maximum	3,500
Minimum	4

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	39	54	1,000
Median	47	86	1,900
Maximum	60	290	3,500
Minimum	21	4	300

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	47	
	Yokohama City	2 Yokohama Port	Blue mussel	21	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	60	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	130	
		2 Offshore of Kushiro	Chum salmon	81	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	86	
	Iwate Pref.	4 Yamada Bay	Greenling	180	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	31	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	180	
	Tokyo Met.	7 Tokyo Bay	Sea bass	110	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	35	
	Nagoya City	9 Nagoya Port	Striped mullet	130	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	290	
	Osaka Pref.	11 Osaka Bay	Sea bass	220	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	110	
	Tottori Pref.	13 Nakaumi	Sea bass	24	
	Hiroshima City	14 Hiroshima Bay	Sea bass	34	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	140	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	4	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	20	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	7	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	4	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	3,500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	300	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	8,200
				Egg of Great Cormorant (Egg white)	220
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	17,000
Egg of Great Cormorant (Egg white)				510	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[11-3] γ -HCH(synonym:Lindane)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	5.5
Median	7.5
Maximum	30
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/19	2/2
Detection Frequency (sample)	3/3	16/19	2/2
Geometric mean	4	5.9	4.5
Median	3	9	11
Maximum	11	30	20
Minimum	tr(2)	nd	tr(1)

Local community	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	3	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(2)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	11	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	30	
		2 Offshore of Kushiro	Chum salmon	21	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	12	
	Iwate Pref.	4 Yamada Bay	Greenling	22	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	6	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	19	
	Tokyo Met.	7 Tokyo Bay	Sea bass	14	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	4	
	Nagoya City	9 Nagoya Port	Striped mullet	19	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	9	
	Osaka Pref.	11 Osaka Bay	Sea bass	30	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	6	
	Tottori Pref.	13 Nakaumi	Sea bass	3	
	Hiroshima City	14 Hiroshima Bay	Sea bass	3	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	13	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(1)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	20	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(1)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	510
				Egg of Great Cormorant (Egg white)	6
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	140
Egg of Great Cormorant (Egg white)				tr(1)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[11-4] δ-HCH• wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :19/24(Missing value :0)

Detection Frequency (sample) :19/24(Missing value :0)

Detection limit :0.9

Quantification limit :2.3

	stats
Geometric mean	tr(2.1)
Median	tr(2.2)
Maximum	23
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	15/19	1/2
Detection Frequency (sample)	3/3	15/19	1/2
Geometric mean	tr(1.7)	2.4	nd
Median	tr(1.6)	2.4	nd
Maximum	3	23	tr(1)
Minimum	tr(1)	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(1.0)	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(1.6)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	3.0	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	2.4	
		2 Offshore of Kushiro	Chum salmon	tr(2.1)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(1.4)	
	Iwate Pref.	4 Yamada Bay	Greenling	2.8	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(2.2)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	4.2	
	Tokyo Met.	7 Tokyo Bay	Sea bass	5.3	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1.7)	
	Nagoya City	9 Nagoya Port	Striped mullet	15	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	8.5	
	Osaka Pref.	11 Osaka Bay	Sea bass	23	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	7.0	
	Tottori Pref.	13 Nakaumi	Sea bass	2.4	
	Hiroshima City	14 Hiroshima Bay	Sea bass	tr(1.0)	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	5.1	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(1.0)	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	12
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	30
Egg of Great Cormorant (Egg white)				tr(1.7)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14] Polybromodiphenyl ethers(Br4~Br10)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :13/24(Missing value :0)

Detection Frequency (sample) :13/24(Missing value :0)

Detection limit :*134

Quantification limit :*347

	stats
Geometric mean	tr(170)
Median	240
Maximum	3,300
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	11/19	1/2
Detection Frequency (sample)	2/3	11/19	1/2
Geometric mean	tr(150)	tr(160)	360
Median	260	220	1,700
Maximum	tr(300)	2,600	3,300
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(300)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(260)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(220)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(140)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	660	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(260)	
	Nagoya City	9 Nagoya Port	Striped mullet	tr(300)	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	640	
	Osaka Pref.	11 Osaka Bay	Sea bass	540	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	580	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	620	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	2,600	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	350	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	3,300	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	96,000
				Egg of Great Cormorant (Egg white)	tr(230)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	43,000
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[14-1] Tetrabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :6

Quantification limit :16

	stats
Geometric mean	78
Median	72
Maximum	660
Minimum	tr(7)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	47	80	130
Median	23	73	340
Maximum	200	360	660
Minimum	23	tr(7)	26

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	23	
	Yokohama City	2 Yokohama Port	Blue mussel	200	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	23	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	25	
		2 Offshore of Kushiro	Chum salmon	tr(7)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	110	
	Iwate Pref.	4 Yamada Bay	Greenling	71	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	36	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	46	
	Tokyo Met.	7 Tokyo Bay	Sea bass	360	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	150	
	Nagoya City	9 Nagoya Port	Striped mullet	88	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	330	
	Osaka Pref.	11 Osaka Bay	Sea bass	280	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	310	
	Tottori Pref.	13 Nakaumi	Sea bass	42	
	Hiroshima City	14 Hiroshima Bay	Sea bass	300	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	250	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(15)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	73	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	34	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	42	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	660	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	26	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	27,000
				Egg of Great Cormorant (Egg white)	160
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,000
Egg of Great Cormorant (Egg white)				32	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[14-1-1] 2,2',4,4'-Tetrabromodiphenyl ether (#47)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :6

Quantification limit :16

	stats
Geometric mean	49
Median	47
Maximum	500
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	28	49	110
Median	tr(15)	50	260
Maximum	110	220	500
Minimum	tr(14)	nd	23

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(14)	
	Yokohama City	2 Yokohama Port	Blue mussel	110	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(15)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(15)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	72	
	Iwate Pref.	4 Yamada Bay	Greenling	50	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	30	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	19	
	Tokyo Met.	7 Tokyo Bay	Sea bass	200	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	80	
	Nagoya City	9 Nagoya Port	Striped mullet	54	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	200	
	Osaka Pref.	11 Osaka Bay	Sea bass	160	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	210	
	Tottori Pref.	13 Nakaumi	Sea bass	18	
	Hiroshima City	14 Hiroshima Bay	Sea bass	180	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	220	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(12)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	30	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	21	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	43	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	23	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	26,000
				Egg of Great Cormorant (Egg white)	160
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	6,400
Egg of Great Cormorant (Egg white)				32	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-2] Pentabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :5

Quantification limit :12

	stats
Geometric mean	25
Median	23
Maximum	500
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	18	23	77
Median	16	28	260
Maximum	62	87	500
Minimum	tr(6)	nd	12

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(6)	
	Yokohama City	2 Yokohama Port	Blue mussel	62	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	16	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	15	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	38	
	Iwate Pref.	4 Yamada Bay	Greenling	29	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	18	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	14	
	Tokyo Met.	7 Tokyo Bay	Sea bass	87	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	36	
	Nagoya City	9 Nagoya Port	Striped mullet	17	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	79	
	Osaka Pref.	11 Osaka Bay	Sea bass	59	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	66	
	Tottori Pref.	13 Nakaumi	Sea bass	12	
	Hiroshima City	14 Hiroshima Bay	Sea bass	54	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	60	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(7)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	28	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(11)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(5)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	500	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	12	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	20,000
				Egg of Great Cormorant (Egg white)	36
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,700
Egg of Great Cormorant (Egg white)				12	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-2-1] 2,2',4,4',5-Pentabromodiphenyl ether (#99)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :8/24(Missing value :0)

Detection Frequency (sample) :8/24(Missing value :0)

Detection limit :5

Quantification limit :12

	stats
Geometric mean	nd
Median	nd
Maximum	38
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	5/19	1/2
Detection Frequency (sample)	2/3	5/19	1/2
Geometric mean	tr(7.8)	nd	tr(5.5)
Median	tr(5)	nd	tr(7.3)
Maximum	38	15	12
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	38	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(5)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(5)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(6)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	15	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(9)	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	14	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	nd	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	12	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	1,200
				Egg of Great Cormorant (Egg white)	tr(5)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,400
Egg of Great Cormorant (Egg white)				tr(5)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3] Hexabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :22/24(Missing value :0)

Detection Frequency (sample) :22/24(Missing value :0)

Detection limit :7

Quantification limit :17

	stats
Geometric mean	47
Median	46
Maximum	1,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	18/19	2/2
Detection Frequency (sample)	2/3	18/19	2/2
Geometric mean	tr(14)	49	230
Median	20	49	530
Maximum	36	210	1,000
Minimum	nd	nd	51

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	20	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	36	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	33	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	67	
	Iwate Pref.	4 Yamada Bay	Greenling	36	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	43	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	20	
	Tokyo Met.	7 Tokyo Bay	Sea bass	130	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	49	
	Nagoya City	9 Nagoya Port	Striped mullet	120	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	210	
	Osaka Pref.	11 Osaka Bay	Sea bass	110	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	170	
	Tottori Pref.	13 Nakaumi	Sea bass	28	
	Hiroshima City	14 Hiroshima Bay	Sea bass	160	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	84	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	31	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	110	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	18	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(8)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	51	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	25,000
				Egg of Great Cormorant (Egg white)	34
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	10,000
Egg of Great Cormorant (Egg white)				tr(11)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-1] 2,2',4,4',5,5'-Hexabromodiphenyl ether (#153)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :9/24(Missing value :0)

Detection Frequency (sample) :9/24(Missing value :0)

Detection limit :7

Quantification limit :17

	stats
Geometric mean	nd
Median	nd
Maximum	240
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	8/19	1/2
Detection Frequency (sample)	0/3	8/19	1/2
Geometric mean	nd	nd	29
Median	nd	nd	120
Maximum	nd	27	240
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(7)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	tr(11)	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(7)	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	27	
	Osaka Pref.	11 Osaka Bay	Sea bass	tr(13)	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	tr(7)	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(8)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(7)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	240	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	8,900
				Egg of Great Cormorant (Egg white)	tr(7)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,500
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-3-2] 2,2',4,4',5,6'-Hexabromodiphenyl ether (#154)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :19/24(Missing value :0)

Detection Frequency (sample) :19/24(Missing value :0)

Detection limit :5

Quantification limit :13

	stats
Geometric mean	15
Median	14
Maximum	640
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	16/19	2/2
Detection Frequency (sample)	1/3	16/19	2/2
Geometric mean	nd	15	140
Median	nd	14	340
Maximum	tr(6)	78	640
Minimum	nd	nd	30

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(6)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(8)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	40	
	Iwate Pref.	4 Yamada Bay	Greenling	17	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(12)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(7)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	45	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	14	
	Nagoya City	9 Nagoya Port	Striped mullet	14	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	78	
	Osaka Pref.	11 Osaka Bay	Sea bass	24	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	38	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(10)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	30	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	32	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	42	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(8)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	640	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	30	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	11,000
				Egg of Great Cormorant (Egg white)	15
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,400
Egg of Great Cormorant (Egg white)				tr(7)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-4] Heptabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :13/24(Missing value :0)

Detection Frequency (sample) :13/24(Missing value :0)

Detection limit :8

Quantification limit :22

	stats
Geometric mean	tr(12)
Median	tr(11)
Maximum	440
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	10/19	2/2
Detection Frequency (sample)	1/3	10/19	2/2
Geometric mean	nd	tr(11)	89
Median	nd	tr(12)	230
Maximum	tr(9)	55	440
Minimum	nd	nd	tr(18)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(9)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(12)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	42	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(13)	
	Nagoya City	9 Nagoya Port	Striped mullet	48	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(15)	
	Osaka Pref.	11 Osaka Bay	Sea bass	43	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	26	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	48	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	36	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	55	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	440	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(18)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	12,000
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	8,100
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-4-1] 2,2',3,3',4,5',6'-Heptabromodiphenyl ether (#175)/wildlife (pg/g-wet) and

[14-4-2] 2,2',3,4,4',5',6'-Heptabromodiphenyl ether (#183)/wildlife (pg/g-wet)

Monitored year :2017

Monitored year :2017

Detection Frequency (site) :0/24(Missing value :0)

Detection Frequency (sample) :0/24(Missing value :0)

Detection limit :8

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/19	0/2
Detection Frequency (sample)	0/3	0/19	0/2
Geometric mean	nd	nd	nd
Median	nd	nd	nd
Maximum	nd	nd	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	nd	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	nd	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabream	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	680
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	220
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[14-5] Octabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :12/24(Missing value :0)

Detection Frequency (sample) :12/24(Missing value :0)

Detection limit :8

Quantification limit :20

	stats
Geometric mean	tr(11)
Median	nd
Maximum	720
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	9/19	2/2
Detection Frequency (sample)	1/3	9/19	2/2
Geometric mean	nd	tr(9.7)	130
Median	nd	nd	370
Maximum	tr(9)	88	720
Minimum	nd	nd	25

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(9)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	38	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(9)	
	Nagoya City	9 Nagoya Port	Striped mullet	29	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(11)	
	Osaka Pref.	11 Osaka Bay	Sea bass	51	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	tr(11)	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	57	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(19)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	88	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	720	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	25	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	11,000
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	12,000
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[14-6] Nonabromodiphenyl ethers/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :1/24(Missing value :0)

Detection Frequency (sample) :1/24(Missing value :0)

Detection limit :20

Quantification limit :50

	stats
Geometric mean	nd
Median	nd
Maximum	68
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	1/19	0/2
Detection Frequency (sample)	0/3	1/19	0/2
Geometric mean	nd	nd	nd
Median	nd	nd	nd
Maximum	nd	68	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	nd	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	68	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	450
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	160
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[14-7] Decabromodiphenyl ether/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :2/24(Missing value :0)

Detection Frequency (sample) :2/24(Missing value :0)

Detection limit :80

Quantification limit :210

	stats
Geometric mean	nd
Median	nd
Maximum	2,100
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	1/19	0/2
Detection Frequency (sample)	1/3	1/19	0/2
Geometric mean	nd	nd	nd
Median	nd	nd	nd
Maximum	tr(180)	2,100	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(180)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	nd	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	2,100	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	680
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	260
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[15] Perfluorooctane sulfonic acid (PFOS)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :4

Quantification limit :12

	stats
Geometric mean	170
Median	160
Maximum	32,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	19/19	2/2
Detection Frequency (sample)	2/3	19/19	2/2
Geometric mean	22	150	9,800
Median	34	150	18,000
Maximum	160	11,000	32,000
Minimum	nd	tr(4)	3,000

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	160	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	34	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	75	
		2 Offshore of Kushiro	Chum salmon	38	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	26	
	Iwate Pref.	4 Yamada Bay	Greenling	39	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	41	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	58	
	Tokyo Met.	7 Tokyo Bay	Sea bass	1,200	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	640	
	Nagoya City	9 Nagoya Port	Striped mullet	100	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	11,000	
	Osaka Pref.	11 Osaka Bay	Sea bass	900	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	350	
	Tottori Pref.	13 Nakaumi	Sea bass	340	
	Hiroshima City	14 Hiroshima Bay	Sea bass	150	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	190	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	190	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	210	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	73	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(4)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	32,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	3,000	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	53,000
				Egg of Great Cormorant (Egg white)	270
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	21,000
Egg of Great Cormorant (Egg white)				300	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[16] Perfluorooctanoic acid (PFOA)/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :16/24(Missing value :0)

Detection Frequency (sample) :16/24(Missing value :0)

Detection limit :4

Quantification limit :12

	stats
Geometric mean	tr(8.6)
Median	tr(5)
Maximum	680
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	12/19	2/2
Detection Frequency (sample)	2/3	12/19	2/2
Geometric mean	tr(6.3)	tr(6.4)	240
Median	tr(7)	tr(4)	380
Maximum	18	79	680
Minimum	nd	nd	85

Local community	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(7)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	18	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(11)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	12	
	Iwate Pref.	4 Yamada Bay	Greenling	67	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	36	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	33	
	Tokyo Met.	7 Tokyo Bay	Sea bass	tr(5)	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(4)	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	79	
	Osaka Pref.	11 Osaka Bay	Sea bass	12	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(5)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(4)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(4)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	680	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	85	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	540
				Egg of Great Cormorant (Egg white)	tr(4)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,100
Egg of Great Cormorant (Egg white)				24	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[17] Pentachlorobenzene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :4

	stats
Geometric mean	31
Median	30
Maximum	470
Minimum	4

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	18	29	130
Median	19	32	250
Maximum	22	170	470
Minimum	14	4	35

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	19	
	Yokohama City	2 Yokohama Port	Blue mussel	22	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	14	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	42	
		2 Offshore of Kushiro	Chum salmon	34	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	28	
	Iwate Pref.	4 Yamada Bay	Greenling	65	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	13	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	98	
	Tokyo Met.	7 Tokyo Bay	Sea bass	170	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	100	
	Nagoya City	9 Nagoya Port	Striped mullet	67	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	89	
	Osaka Pref.	11 Osaka Bay	Sea bass	32	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	28	
	Tottori Pref.	13 Nakaumi	Sea bass	12	
	Hiroshima City	14 Hiroshima Bay	Sea bass	20	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	88	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	4	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	13	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	4	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	6	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	470	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	35	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	5,600
				Egg of Great Cormorant (Egg white)	15
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,900
Egg of Great Cormorant (Egg white)				12	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[19] 1,2,5,6,9,10-Hexabromocyclododecanes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :22/24(Missing value :0)

Detection Frequency (sample) :22/24(Missing value :0)

Detection limit :*27

Quantification limit :*71

	stats
Geometric mean	170
Median	200
Maximum	7,900
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/19	2/2
Detection Frequency (sample)	3/3	17/19	2/2
Geometric mean	260	150	330
Median	230	160	1,100
Maximum	670	7,900	2,200
Minimum	110	nd	tr(50)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	110	
	Yokohama City	2 Yokohama Port	Blue mussel	670	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	230	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	110	
		2 Offshore of Kushiro	Chum salmon	tr(38)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	340	
	Iwate Pref.	4 Yamada Bay	Greenling	250	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(51)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	320	
	Tokyo Met.	7 Tokyo Bay	Sea bass	710	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	110	
	Nagoya City	9 Nagoya Port	Striped mullet	160	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	670	
	Osaka Pref.	11 Osaka Bay	Sea bass	450	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	7,900	
	Tottori Pref.	13 Nakaumi	Sea bass	73	
	Hiroshima City	14 Hiroshima Bay	Sea bass	300	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	230	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(64)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	160	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	2,200	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(50)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	47,000
				Egg of Great Cormorant (Egg white)	390
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	26,000
Egg of Great Cormorant (Egg white)				170	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[19-1] α -1,2,5,6,9,10-Hexabromocyclododecane/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :9

Quantification limit :24

	stats
Geometric mean	160
Median	170
Maximum	7,800
Minimum	tr(9)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	190	140	330
Median	200	140	1,100
Maximum	430	7,800	2,200
Minimum	86	tr(9)	50

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	86	
	Yokohama City	2 Yokohama Port	Blue mussel	430	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	200	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	110	
		2 Offshore of Kushiro	Chum salmon	38	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	330	
	Iwate Pref.	4 Yamada Bay	Greenling	250	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	33	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	290	
	Tokyo Met.	7 Tokyo Bay	Sea bass	590	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	87	
	Nagoya City	9 Nagoya Port	Striped mullet	130	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	630	
	Osaka Pref.	11 Osaka Bay	Sea bass	360	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	7,800	
	Tottori Pref.	13 Nakaumi	Sea bass	73	
	Hiroshima City	14 Hiroshima Bay	Sea bass	270	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	210	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	55	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	140	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(9)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(9)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	2,200	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	50	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	47,000
				Egg of Great Cormorant (Egg white)	390
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	26,000
Egg of Great Cormorant (Egg white)				170	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[19-2] β-1,2,5,6,9,10-Hexabromocyclododecane/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :3/24(Missing value :0)

Detection Frequency (sample) :3/24(Missing value :0)

Detection limit :9

Quantification limit :23

	stats
Geometric mean	nd
Median	nd
Maximum	36
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	2/19	0/2
Detection Frequency (sample)	1/3	2/19	0/2
Geometric mean	tr(9)	nd	nd
Median	nd	nd	nd
Maximum	36	tr(12)	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	36	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(12)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	nd	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	nd	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(9)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	nd
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	nd
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[19-3] γ -1,2,5,6,9,10-Hexabromocyclododecane/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :16/24(Missing value :0)

Detection Frequency (sample) :16/24(Missing value :0)

Detection limit :9

Quantification limit :24

	stats
Geometric mean	tr(17)
Median	tr(19)
Maximum	200
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	12/19	1/2
Detection Frequency (sample)	3/3	12/19	1/2
Geometric mean	49	tr(16)	tr(9)
Median	30	tr(18)	tr(11)
Maximum	200	120	tr(18)
Minimum	tr(20)	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(20)	
	Yokohama City	2 Yokohama Port	Blue mussel	200	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	30	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(12)	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(18)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(18)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	120	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	24	
	Nagoya City	9 Nagoya Port	Striped mullet	28	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	42	
	Osaka Pref.	11 Osaka Bay	Sea bass	94	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	79	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	35	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(21)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(21)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(18)	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	410
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	79
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20] Total Polychlorinated Naphthalenes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :*12

Quantification limit :*33

	stats
Geometric mean	37
Median	53
Maximum	1,400
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	17/19	2/2
Detection Frequency (sample)	2/3	17/19	2/2
Geometric mean	46	32	91
Median	68	51	240
Maximum	1,400	360	460
Minimum	nd	nd	tr(18)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	68	
	Yokohama City	2 Yokohama Port	Blue mussel	1,400	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(15)	
		2 Offshore of Kushiro	Chum salmon	tr(12)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(16)	
	Iwate Pref.	4 Yamada Bay	Greenling	54	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(27)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	61	
	Tokyo Met.	7 Tokyo Bay	Sea bass	360	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	140	
	Nagoya City	9 Nagoya Port	Striped mullet	190	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	92	
	Osaka Pref.	11 Osaka Bay	Sea bass	250	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	72	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	51	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	110	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(14)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(12)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	tr(12)	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	460	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(18)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	9,200
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,300
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[20-1] monochlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :19/24(Missing value :0)

Detection Frequency (sample) :19/24(Missing value :0)

Detection limit :2

Quantification limit :6

	stats
Geometric mean	tr(4.1)
Median	tr(3)
Maximum	29
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	16/19	1/2
Detection Frequency (sample)	2/3	16/19	1/2
Geometric mean	tr(4.4)	tr(4.5)	nd
Median	tr(4)	tr(3)	nd
Maximum	21	29	tr(2)
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	21	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(4)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(2)	
		2 Offshore of Kushiro	Chum salmon	tr(2)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(3)	
	Iwate Pref.	4 Yamada Bay	Greenling	9	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	13	
	Tokyo Met.	7 Tokyo Bay	Sea bass	12	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(5)	
	Nagoya City	9 Nagoya Port	Striped mullet	20	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(2)	
	Osaka Pref.	11 Osaka Bay	Sea bass	29	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	10	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(2)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	6	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	27	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(3)	
Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(3)		
Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd		
Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd		
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(2)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	9
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	24
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-2] dichlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :16/24(Missing value :0)

Detection Frequency (sample) :16/24(Missing value :0)

Detection limit :2

Quantification limit :5

	stats
Geometric mean	tr(4.5)
Median	tr(3.5)
Maximum	160
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	14/19	0/2
Detection Frequency (sample)	2/3	14/19	0/2
Geometric mean	8.6	tr(4.7)	nd
Median	tr(4)	5	nd
Maximum	160	30	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(4)	
	Yokohama City	2 Yokohama Port	Blue mussel	160	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(3)	
		2 Offshore of Kushiro	Chum salmon	5	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(3)	
	Iwate Pref.	4 Yamada Bay	Greenling	12	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	18	
	Tokyo Met.	7 Tokyo Bay	Sea bass	30	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8	
	Nagoya City	9 Nagoya Port	Striped mullet	22	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(3)	
	Osaka Pref.	11 Osaka Bay	Sea bass	19	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	10	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	9	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	12	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(2)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	5
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(4)
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-3] trichlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :14/24(Missing value :0)

Detection Frequency (sample) :14/24(Missing value :0)

Detection limit :2

Quantification limit :5

	stats
Geometric mean	tr(3.8)
Median	tr(2)
Maximum	310
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	11/19	1/2
Detection Frequency (sample)	2/3	11/19	1/2
Geometric mean	16	tr(3.3)	nd
Median	14	tr(2)	nd
Maximum	310	43	tr(2)
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	14	
	Yokohama City	2 Yokohama Port	Blue mussel	310	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(2)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(3)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	11	
	Tokyo Met.	7 Tokyo Bay	Sea bass	43	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	13	
	Nagoya City	9 Nagoya Port	Striped mullet	18	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(2)	
	Osaka Pref.	11 Osaka Bay	Sea bass	33	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	6	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	5	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	7	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(2)	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	14
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	30
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-4] tetrachlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :2

Quantification limit :5

	stats
Geometric mean	17
Median	15
Maximum	630
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	36	14	34
Median	36	14	89
Maximum	630	140	170
Minimum	tr(2)	tr(3)	7

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	36	
	Yokohama City	2 Yokohama Port	Blue mussel	630	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(2)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	6	
		2 Offshore of Kushiro	Chum salmon	tr(4)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(3)	
	Iwate Pref.	4 Yamada Bay	Greenling	14	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	9	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	16	
	Tokyo Met.	7 Tokyo Bay	Sea bass	140	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	56	
	Nagoya City	9 Nagoya Port	Striped mullet	69	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	32	
	Osaka Pref.	11 Osaka Bay	Sea bass	85	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	19	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(4)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	16	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	32	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	6	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(4)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	7	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	5	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	170	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	7	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	3,500
				Egg of Great Cormorant (Egg white)	tr(4)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,700
Egg of Great Cormorant (Egg white)				5	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[20-5] pentachlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	12
Median	12
Maximum	280
Minimum	tr(1)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	16	9.7	38
Median	14	11	110
Maximum	280	110	210
Minimum	tr(1)	tr(1)	7

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	14	
	Yokohama City	2 Yokohama Port	Blue mussel	280	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(1)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(1)	
		2 Offshore of Kushiro	Chum salmon	tr(1)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	5	
	Iwate Pref.	4 Yamada Bay	Greenling	13	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	13	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	3	
	Tokyo Met.	7 Tokyo Bay	Sea bass	110	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	45	
	Nagoya City	9 Nagoya Port	Striped mullet	53	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	47	
	Osaka Pref.	11 Osaka Bay	Sea bass	69	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	18	
	Tottori Pref.	13 Nakaumi	Sea bass	4	
	Hiroshima City	14 Hiroshima Bay	Sea bass	11	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	25	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(1)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	4	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	5	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	7	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	210	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	7	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	4,600
				Egg of Great Cormorant (Egg white)	6
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,400
Egg of Great Cormorant (Egg white)				tr(1)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[20-6] hexachlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :17/24(Missing value :0)

Detection Frequency (sample) :17/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	tr(2.7)
Median	tr(2.5)
Maximum	74
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	14/19	2/2
Detection Frequency (sample)	1/3	14/19	2/2
Geometric mean	tr(1.7)	tr(2.5)	12
Median	nd	3	38
Maximum	19	24	74
Minimum	nd	nd	tr(2)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	19	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(1)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(2)	
	Iwate Pref.	4 Yamada Bay	Greenling	3	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	5	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	24	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	14	
	Nagoya City	9 Nagoya Port	Striped mullet	7	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	6	
	Osaka Pref.	11 Osaka Bay	Sea bass	19	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	9	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(1)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	4	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	5	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(1)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	74	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(2)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	1,100
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,100
Egg of Great Cormorant (Egg white)				tr(1)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-7] heptachlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :3/24(Missing value :0)

Detection Frequency (sample) :3/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	nd
Median	nd
Maximum	tr(1)
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	2/19	0/2
Detection Frequency (sample)	1/3	2/19	0/2
Geometric mean	nd	nd	nd
Median	nd	nd	nd
Maximum	tr(1)	tr(1)	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(1)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	tr(1)	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1)	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	nd	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	4
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	6
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20-8] octachlorinated Naphthalene/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :0/24(Missing value :0)

Detection Frequency (sample) :0/24(Missing value :0)

Detection limit :1

Quantification limit :3

	stats
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/19	0/2
Detection Frequency (sample)	0/3	0/19	0/2
Geometric mean	nd	nd	nd
Median	nd	nd	nd
Maximum	nd	nd	nd
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	nd	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	nd	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	nd	
	Osaka Pref.	11 Osaka Bay	Sea bass	nd	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	nd	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	nd	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	nd
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	nd
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) nd : Not detected

[22] Pentachlorophenol and its salts and esters/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :17/24(Missing value :0)

Detection Frequency (sample) :17/24(Missing value :0)

Detection limit :*13

Quantification limit :*40

	stats
Geometric mean	tr(30)
Median	tr(21)
Maximum	11,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	14/19	2/2
Detection Frequency (sample)	1/3	14/19	2/2
Geometric mean	tr(14)	tr(22)	1,800
Median	nd	tr(20)	5,700
Maximum	71	170	11,000
Minimum	nd	nd	310

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	71	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(22)	
		2 Offshore of Kushiro	Chum salmon	tr(19)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(19)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(14)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(14)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(35)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	170	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	78	
	Nagoya City	9 Nagoya Port	Striped mullet	160	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	43	
	Osaka Pref.	11 Osaka Bay	Sea bass	89	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	tr(22)	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(20)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(29)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	310	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	11,000	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	1,300
				Egg of Great Cormorant (Egg white)	tr(15)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	360
Egg of Great Cormorant (Egg white)				tr(20)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[22-1] Pentachlorophenol/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :17/24(Missing value :0)

Detection Frequency (sample) :17/24(Missing value :0)

Detection limit :12

Quantification limit :36

	stats
Geometric mean	tr(22)
Median	tr(16)
Maximum	11,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	14/19	2/2
Detection Frequency (sample)	1/3	14/19	2/2
Geometric mean	nd	tr(15)	1,800
Median	nd	tr(15)	5,700
Maximum	tr(35)	110	11,000
Minimum	nd	nd	300

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	tr(35)	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	nd	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(20)	
		2 Offshore of Kushiro	Chum salmon	tr(13)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(18)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(13)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(12)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(15)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	47	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(27)	
	Nagoya City	9 Nagoya Port	Striped mullet	110	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(24)	
	Osaka Pref.	11 Osaka Bay	Sea bass	tr(30)	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	tr(16)	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(17)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	nd	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	tr(14)	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	300	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	11,000	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	750
				Egg of Great Cormorant (Egg white)	tr(13)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	140
Egg of Great Cormorant (Egg white)				tr(19)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[22-2] Pentachloroanisole/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :24/24(Missing value :0)

Detection Frequency (sample) :24/24(Missing value :0)

Detection limit :1

Quantification limit :4

	stats
Geometric mean	7.3
Median	5.5
Maximum	120
Minimum	tr(1)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	19/19	2/2
Detection Frequency (sample)	3/3	19/19	2/2
Geometric mean	6	6.7	23
Median	tr(3)	5	29
Maximum	36	120	47
Minimum	tr(2)	tr(1)	11

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(2)	
	Yokohama City	2 Yokohama Port	Blue mussel	36	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	tr(3)	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(2)	
		2 Offshore of Kushiro	Chum salmon	6	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(1)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(1)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(2)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	20	
	Tokyo Met.	7 Tokyo Bay	Sea bass	120	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	51	
	Nagoya City	9 Nagoya Port	Striped mullet	49	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	19	
	Osaka Pref.	11 Osaka Bay	Sea bass	59	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	6	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(3)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	4	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	15	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(3)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	tr(1)	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(2)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	5	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	11	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	47	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	570
				Egg of Great Cormorant (Egg white)	tr(2)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	220
Egg of Great Cormorant (Egg white)				tr(1)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

[23] Short-chain chlorinated paraffins/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :*1,000

Quantification limit :*2,700

	stats
Geometric mean	4,700
Median	6,100
Maximum	66,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/19	2/2
Detection Frequency (sample)	3/3	16/19	2/2
Geometric mean	6,600	4,000	11,000
Median	7,200	5,000	34,000
Maximum	21,000	48,000	66,000
Minimum	tr(1,900)	nd	tr(2,000)

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(1,900)	
	Yokohama City	2 Yokohama Port	Blue mussel	21,000	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	7,200	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(1,900)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(1,900)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(2,400)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(2,300)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	5,000	
	Tokyo Met.	7 Tokyo Bay	Sea bass	32,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	11,000	
	Nagoya City	9 Nagoya Port	Striped mullet	8,000	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	11,000	
	Osaka Pref.	11 Osaka Bay	Sea bass	30,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	48,000	
	Tottori Pref.	13 Nakaumi	Sea bass	3,400	
	Hiroshima City	14 Hiroshima Bay	Sea bass	17,000	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	31,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	8,200	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(1,400)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	66,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	tr(2,000)	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	520,000
				Egg of Great Cormorant (Egg white)	tr(1,300)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	930,000
Egg of Great Cormorant (Egg white)				8,400	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

(Note 5) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[23-1] Chlorinated decanes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :19/24(Missing value :0)

Detection Frequency (sample) :19/24(Missing value :0)

Detection limit :200

Quantification limit :500

	stats
Geometric mean	tr(430)
Median	tr(450)
Maximum	2,100
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	16/19	1/2
Detection Frequency (sample)	2/3	16/19	1/2
Geometric mean	670	tr(410)	tr(400)
Median	1,700	tr(400)	850
Maximum	1,800	2,100	1,600
Minimum	nd	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	nd	
	Yokohama City	2 Yokohama Port	Blue mussel	1,800	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	1,700	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(400)	
		2 Offshore of Kushiro	Chum salmon	tr(200)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(200)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(400)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	tr(200)	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	2,100	
	Tokyo Met.	7 Tokyo Bay	Sea bass	1,200	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	600	
	Nagoya City	9 Nagoya Port	Striped mullet	nd	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	500	
	Osaka Pref.	11 Osaka Bay	Sea bass	1,300	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	900	
	Tottori Pref.	13 Nakaumi	Sea bass	tr(200)	
	Hiroshima City	14 Hiroshima Bay	Sea bass	700	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	900	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	1,300	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(200)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,600	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	33,000
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	34,000
Egg of Great Cormorant (Egg white)				tr(400)	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-2] Chlorinated undecanes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :21/24(Missing value :0)

Detection Frequency (sample) :21/24(Missing value :0)

Detection limit :300

Quantification limit :800

	stats
Geometric mean	2,100
Median	2,300
Maximum	31,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/19	2/2
Detection Frequency (sample)	3/3	16/19	2/2
Geometric mean	2,200	1,900	5,000
Median	3,400	1,100	16,000
Maximum	11,000	24,000	31,000
Minimum	tr(300)	nd	800

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(300)	
	Yokohama City	2 Yokohama Port	Blue mussel	11,000	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	3,400	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	tr(400)	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	tr(500)	
	Iwate Pref.	4 Yamada Bay	Greenling	tr(700)	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	800	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	tr(600)	
	Tokyo Met.	7 Tokyo Bay	Sea bass	18,000	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	7,100	
	Nagoya City	9 Nagoya Port	Striped mullet	6,000	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	6,400	
	Osaka Pref.	11 Osaka Bay	Sea bass	18,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	24,000	
	Tottori Pref.	13 Nakaumi	Sea bass	1,100	
	Hiroshima City	14 Hiroshima Bay	Sea bass	10,000	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	18,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	4,500	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	tr(300)	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	31,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	800	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	200,000
				Egg of Great Cormorant (Egg white)	tr(600)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	320,000
Egg of Great Cormorant (Egg white)				5,300	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-3] Chlorinated dodecanes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :23/24(Missing value :0)

Detection Frequency (sample) :23/24(Missing value :0)

Detection limit :300

Quantification limit :900

	stats
Geometric mean	2,300
Median	1,800
Maximum	25,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/19	2/2
Detection Frequency (sample)	3/3	18/19	2/2
Geometric mean	2,000	2,100	5,500
Median	1,400	2,100	13,000
Maximum	4,700	19,000	25,000
Minimum	1,300	nd	1,200

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	1,300	
	Yokohama City	2 Yokohama Port	Blue mussel	4,700	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	1,400	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	1,100	
		2 Offshore of Kushiro	Chum salmon	tr(600)	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	1,200	
	Iwate Pref.	4 Yamada Bay	Greenling	1,300	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	1,300	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	2,300	
	Tokyo Met.	7 Tokyo Bay	Sea bass	8,900	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,700	
	Nagoya City	9 Nagoya Port	Striped mullet	1,500	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	3,400	
	Osaka Pref.	11 Osaka Bay	Sea bass	8,000	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	19,000	
	Tottori Pref.	13 Nakaumi	Sea bass	2,100	
	Hiroshima City	14 Hiroshima Bay	Sea bass	5,900	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	11,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	tr(500)	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	2,400	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	900	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	25,000	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	1,200	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	170,000
				Egg of Great Cormorant (Egg white)	tr(700)
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	480,000
Egg of Great Cormorant (Egg white)				2,700	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[23-4] Chlorinated tridecanes/wildlife (pg/g-wet)

Monitored year :2017

Detection Frequency (site) :12/24(Missing value :0)

Detection Frequency (sample) :12/24(Missing value :0)

Detection limit :200

Quantification limit :500

	stats
Geometric mean	tr(360)
Median	tr(200)
Maximum	8,100
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	8/19	1/2
Detection Frequency (sample)	3/3	8/19	1/2
Geometric mean	870	tr(290)	900
Median	700	nd	4,100
Maximum	3,100	4,100	8,100
Minimum	tr(300)	nd	nd

Local communities	No	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1 Yamada Bay	Blue mussel	tr(300)	
	Yokohama City	2 Yokohama Port	Blue mussel	3,100	
	Ishikawa Pref.	3 Coast of Noto Peninsula	Blue mussel	700	
Fish	Hokkaido	1 Offshore of Kushiro	Rock greenling	nd	
		2 Offshore of Kushiro	Chum salmon	nd	
		3 Offshore of Japan Sea(offshore of Iwanai)	Greenling	nd	
	Iwate Pref.	4 Yamada Bay	Greenling	nd	
	Miyagi Pref.	5 Sendai Bay(Matsushima Bay)	Greenling	nd	
	Ibaraki Pref.	6 Offshore of Joban	Pacific saury	nd	
	Tokyo Met.	7 Tokyo Bay	Sea bass	3,800	
	Kawasaki City	8 Offshore of Ogishima Island, Port of Kawasaki	Sea bass	700	
	Nagoya City	9 Nagoya Port	Striped mullet	500	
	Shiga Pref.	10 Lake Biwa, Riv. Ado (Takashima City)	Dace	900	
	Osaka Pref.	11 Osaka Bay	Sea bass	2,400	
	Hyogo Pref.	12 Offshore of Himeji	Sea bass	4,100	
	Tottori Pref.	13 Nakaumi	Sea bass	nd	
	Hiroshima City	14 Hiroshima Bay	Sea bass	tr(400)	
	Kagawa Pref.	15 Takamatsu Port	Striped mullet	1,000	
	Kochi Pref.	16 Mouth of Riv. Shimanto(Shimanto City)	Sea bass	nd	
	Oita Pref.	17 Mouth of Riv. Oita(Oita City)	Sea bass	nd	
	Kagoshima Pref.	18 West Coast of Satsuma Peninsula	Sea bass	nd	
	Okinawa Pref.	19 Nakagusuku Bay	Okinawa seabeam	nd	
Birds	Shiga Pref.	1 Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,100	
	Tottori Pref.	2 Riv.Tenjin(Kurayoshi City)	Great Cormorant	nd	
	Yamanashi Pref.	reference value	Shimosone-bashi Bridge, Riv.Fuefuki (Kofu City)	Egg of Great Cormorant (Egg yolk)	120,000
				Egg of Great Cormorant (Egg white)	nd
	Hyogo Pref.	reference value	Koyaike pond (Itami City)	Egg of Great Cormorant (Egg yolk)	100,000
Egg of Great Cormorant (Egg white)				nd	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) tr : detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[1] Total PCBs /air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :*2.3

Quantification limit :*7.0

	stats
Geometric mean	120
Median	110
Maximum	3,300
Minimum	26

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	54	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	27	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	41	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	100	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	110	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	110	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	100	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	230	MV
	9	Chichijima Island	10/6 ~ 10/13	26	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	320	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	220	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	240	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	190	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	94	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	180	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	120	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	110	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	160	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	70	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	75	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	700	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	110	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	3,300	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	280	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	46	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	180	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	160	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	210	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	96	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	120	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	190	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	220	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	99	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	69	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	36	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	110	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	27	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[1-1] Monochlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.07

Quantification limit :0.21

	stats
Geometric mean	9.3
Median	10
Maximum	37
Minimum	1.2

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	5.1	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	3.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	3.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	6.2	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	8.2	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	13	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	20	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	11	MV
	9	Chichijima Island	10/6 ~ 10/13	1.2	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	37	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	12	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	22	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	12	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	8.4	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	7.0	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	9.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	12	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	14	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	6.0	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	11	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	8.0	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	12	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	18	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	6.9	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	9.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	29	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	27	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	5.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	13	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	9.7	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	15	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	10	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	11	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	3.5	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	9.8	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	2.8	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-2] Dichlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.5

Quantification limit :1.5

	stats
Geometric mean	36
Median	38
Maximum	250
Minimum	8.7

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	12	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	8.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	19	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	42	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	50	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	36	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	30	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	64	MV
	9	Chichijima Island	10/6 ~ 10/13	12	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	84	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	54	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	58	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	59	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	40	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	72	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	30	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	35	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	52	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	20	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	21	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	56	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	29	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	250	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	120	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	14	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	53	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	40	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	58	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	26	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	35	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	71	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	52	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	29	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	17	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	16	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	38	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	11	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[1-3] Trichlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.6

Quantification limit :1.8

	stats
Geometric mean	31
Median	32
Maximum	1,500
Minimum	5.9

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	10	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	5.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	8.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	27	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	32	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	33	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	28	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	73	MV
	9	Chichijima Island	10/6 ~ 10/13	7.8	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	98	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	64	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	78	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	58	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	23	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	34	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	34	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	32	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	45	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	15	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	23	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	110	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	28	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1,500	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	59	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	13	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	36	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	35	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	72	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	27	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	30	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	35	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	39	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	35	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	18	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	7.2	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	25	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	8.0	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-4] Tetrachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.7

Quantification limit :2.1

	stats
Geometric mean	22
Median	20
Maximum	1,300
Minimum	2.9

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	9.5	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	4.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	5.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	16	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	12	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	19	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	16	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	49	MV
	9	Chichijima Island	10/6 ~ 10/13	2.9	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	64	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	48	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	44	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	30	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	14	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	30	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	24	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	20	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	30	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	11	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	14	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	190	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	26	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1,300	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	44	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	7.9	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	34	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	40	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	39	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	18	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	22	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	34	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	34	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	16	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	14	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	5.5	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	20	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	3.4	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.008

Quantification limit :0.021

	stats
Geometric mean	0.14
Median	0.13
Maximum	1.3
Minimum	0.02

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.055	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.062	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.049	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.097	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.072	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.11	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.084	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.23	MV
	9	Chichijima Island	10/6 ~ 10/13	0.027	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.35	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.31	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.36	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.22	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.070	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.21	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.17	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.12	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.25	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.077	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.081	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.99	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.18	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.066	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.24	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.24	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.24	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.11	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.13	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.23	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.26	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.087	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.089	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.029	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.19	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.020)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :32/37(Missing value :0)

Detection Frequency (sample) :32/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.03

	stats
Geometric mean	tr(0.01)
Median	tr(0.01)
Maximum	0.1
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.01)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.01)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.01)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.03	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.02)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.03	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.03	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.01)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.02)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.01)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.02)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.01)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.01)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	tr(0.02)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.04	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.10	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.02)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.01)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.02)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.01)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.01)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.01)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.01)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.01)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.02)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.01)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.02)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.02)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-5] Pentachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.2

Quantification limit :0.6

	stats
Geometric mean	11
Median	9.9
Maximum	250
Minimum	0.9

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	13	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	3.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	3.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	8.9	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	6.0	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	8.4	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	7.2	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	22	MV
	9	Chichijima Island	10/6 ~ 10/13	1.1	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	28	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	28	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	23	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	17	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	6.0	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	25	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	15	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	7.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	16	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	6.6	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	7.7	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	250	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	16	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	220	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	23	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	3.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	32	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	9.2	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	8.6	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	13	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	13	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	23	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	6.3	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	6.3	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	2.7	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	9.9	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.9	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.04

	stats
Geometric mean	0.32
Median	0.35
Maximum	6.3
Minimum	0.03

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.25	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.06	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.09	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.24	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.14	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.21	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.16	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.57	MV
	9	Chichijima Island	10/6 ~ 10/13	0.05	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.83	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.98	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.72	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.55	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.14	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.53	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.42	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.21	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.66	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.16	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.19	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	6.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.43	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	3.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.72	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.12	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.81	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.48	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.48	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.38	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.31	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.69	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.72	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.18	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.20	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.06	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.35	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.03)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :34/37(Missing value :0)

Detection Frequency (sample) :34/37(Missing value :0)

Detection limit :0.007

Quantification limit :0.018

	stats
Geometric mean	0.032
Median	0.032
Maximum	0.58
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.026	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.010)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.010)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.020	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.015)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.030	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.020	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.062	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.086	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.089	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.075	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.055	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.020	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.050	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.039	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.026	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.053	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.020	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.020	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.58	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.036	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.32	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.070	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.012)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.079	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.037	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.037	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.032	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.032	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.056	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.065	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.022	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.023	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.038	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[1-5-3] 2,3',4,4'-5-Pentachlorobiphenyl (#118)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.06

	stats
Geometric mean	0.87
Median	0.88
Maximum	21
Minimum	0.06

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.88	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.18	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.24	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.75	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.40	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.59	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.49	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1.6	MV
	9	Chichijima Island	10/6 ~ 10/13	0.10	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	2.2	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	2.4	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	2.0	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.38	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	1.2	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.57	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	1.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.46	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.57	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	21	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	1.3	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	2.0	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.26	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	2.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.95	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.88	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	1.1	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.96	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	2.0	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	2.0	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.47	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.55	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.19	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.86	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.06	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :31/37(Missing value :0)

Detection Frequency (sample) :31/37(Missing value :0)

Detection limit :0.008

Quantification limit :0.020

	stats
Geometric mean	0.022
Median	0.024
Maximum	0.39
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.018)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.017)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.013)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.017)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.017)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.036	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.056	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.052	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.051	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.041	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.012)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.041	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.029	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.016)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.037	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.012)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.016)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.39	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.029	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.23	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.047	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.050	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.029	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.025	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.025	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.024	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.047	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.044	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.015)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.023	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.022	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-5-5] 3,3',4,4',5-Pentachlorobiphenyl (#126)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :24/37(Missing value :0)

Detection Frequency (sample) :24/37(Missing value :0)

Detection limit :0.009

Quantification limit :0.023

	stats
Geometric mean	tr(0.010)
Median	tr(0.011)
Maximum	0.048
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.012)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.014)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.013)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.017)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.031	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.015)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.021)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.029	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.009)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.015)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.015)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.014)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.048	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.010)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.035	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.018)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.012)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.010)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.009)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.015)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.028	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.010)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.011)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.022)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-6] Hexachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.08

Quantification limit :0.24

	stats
Geometric mean	4.3
Median	4.0
Maximum	78
Minimum	0.37

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	4.0	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	1.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	1.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	3.2	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	3.4	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	2.8	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	2.3	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	6.9	MV
	9	Chichijima Island	10/6 ~ 10/13	0.39	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	9.9	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	9.7	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	9.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	7.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	2.3	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	7.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	4.8	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	3.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	6.8	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	2.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	2.6	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	78	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	5.9	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	50	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	11	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.2	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	3.3	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	2.9	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	5.6	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	4.8	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	11	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	34	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	2.3	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	2.6	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	1.2	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	5.6	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.37	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :31/37(Missing value :0)

Detection Frequency (sample) :31/37(Missing value :0)

Detection limit :0.02

Quantification limit :0.05

	stats
Geometric mean	0.05
Median	0.05
Maximum	0.83
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.04)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.04)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.03)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.03)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.03)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.08	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.11	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.17	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.10	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.10	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.02)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.07	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.05	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.03)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.10	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.03)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.03)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.83	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.06	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.36	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.13	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.10	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.06	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.06	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.05	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.05	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.13	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.26	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.03)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.05	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.06	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :31/37(Missing value :0)

Detection Frequency (sample) :31/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.04

	stats
Geometric mean	tr(0.02)
Median	tr(0.01)
Maximum	0.2
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.01)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.01)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.03)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.04	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.04	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.04	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.03)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.01)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.02)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.01)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.03)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.01)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.01)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.20	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.02)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.04	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.03)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.02)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.02)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.02)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.01)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.06	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.14	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.01)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.01)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.03)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-6-3] 2,3',4,4',5,5'-Hexachlorobiphenyl (#167)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :32/37(Missing value :0)

Detection Frequency (sample) :32/37(Missing value :0)

Detection limit :0.009

Quantification limit :0.023

	stats
Geometric mean	0.023
Median	tr(0.021)
Maximum	0.36
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.019)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.016)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.014)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.017)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.017)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.040	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.058	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.066	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.048	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.045	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.010)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.034	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.027	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.015)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.043	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.012)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.012)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.36	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.028	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.19	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.050	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.044	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.022)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.021)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.026	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.021)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.058	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.11	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.015)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.020)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	tr(0.010)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.031	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-6-4] 3,3',4,4',5,5'-Hexachlorobiphenyl (#169)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :1/37(Missing value :0)

Detection Frequency (sample) :1/37(Missing value :0)

Detection limit :0.008

Quantification limit :0.020

	stats
Geometric mean	nd
Median	nd
Maximum	0.008
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	nd	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.008)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	nd	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-7] Heptachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.05

Quantification limit :0.14

	stats
Geometric mean	0.96
Median	0.91
Maximum	21
Minimum	0.11

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.59	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.16	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.34	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.54	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	1.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.48	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.42	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1.4	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.11)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	2.0	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	1.8	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	2.4	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.60	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.77	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.60	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.99	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	1.8	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.52	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.37	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	8.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.99	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	8.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	2.2	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.30	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	1.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.97	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.91	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	1.2	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.89	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	5.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	21	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.53	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.47	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.31	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	2.1	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.13)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.03

	stats
Geometric mean	0.08
Median	0.07
Maximum	1.3
Minimum	0.01

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.04	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.03	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.04	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.09	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.04	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.04	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.11	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.02)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.15	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.19	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.20	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.08	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.04	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.06	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.05	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.06	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.15	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.04	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.03	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.67	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.08	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.52	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.16	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.03	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.13	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.08	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.09	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.10	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.07	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.69	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	1.3	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.05	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.05	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	tr(0.02)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.16	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.01)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-7-2] 2,2',3,4,4',5,5'-Heptachlorobiphenyl (#180)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.03

	stats
Geometric mean	0.14
Median	0.15
Maximum	3.8
Minimum	0.01

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.09	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.05	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.07	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.22	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.08	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.06	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.23	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.02)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.34	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.34	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.46	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.15	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.09	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.09	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.15	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.32	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.07	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.05	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.17	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.37	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.04	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.28	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.18	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.16	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.18	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.12	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	1.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	3.8	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.07	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.08	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.03	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.37	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.02)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :9/37(Missing value :0)

Detection Frequency (sample) :9/37(Missing value :0)

Detection limit :0.009

Quantification limit :0.023

	stats
Geometric mean	nd
Median	nd
Maximum	0.024
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	nd	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.013)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.011)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.011)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	tr(0.021)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.012)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.010)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.015)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.024	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.010)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-8] Octachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :21/37(Missing value :0)

Detection Frequency (sample) :21/37(Missing value :0)

Detection limit :0.09

Quantification limit :0.24

	stats
Geometric mean	tr(0.12)
Median	tr(0.11)
Maximum	2.4
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.15)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.17)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.27	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.23)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.33	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.17)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.09)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.12)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.22)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.74	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.11)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.72	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.26	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.18)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.12)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.12)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.13)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.10)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	1.3	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	2.4	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.29	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-9] Nonachlorobiphenyls/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :14/37(Missing value :0)

Detection Frequency (sample) :14/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.08

	stats
Geometric mean	nd
Median	nd
Maximum	0.12
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.03)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.06)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.04)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.04)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.04)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.03)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.08	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.04)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.04)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.03)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.03)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.09	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.12	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.04)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-10] Decachlorobiphenyl/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :23/37(Missing value :0)

Detection Frequency (sample) :23/37(Missing value :0)

Detection limit :0.02

Quantification limit :0.04

	stats
Geometric mean	nd
Median	tr(0.02)
Maximum	0.08
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.02)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.02)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.02)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.02)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.04	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.04	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.03)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.04	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.02)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.02)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.02)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.02)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.04	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.03)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.02)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.02)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.02)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.03)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.03)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.08	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.04	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.02)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[2] Hexachlorobenzene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.2

Quantification limit :0.5

	stats
Geometric mean	130
Median	120
Maximum	550
Minimum	73

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	74	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	87	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	110	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	120	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	130	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	120	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	110	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	140	MV
	9	Chichijima Island	10/6 ~ 10/13	96	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	140	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	200	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	140	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	140	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	98	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	130	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	160	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	110	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	130	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	140	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	73	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	150	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	110	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	130	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	120	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	100	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	130	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	190	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	230	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	99	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	110	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	100	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	550	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	160	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	94	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	100	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	140	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	110	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[11] HCHs (Hexachlorohexanes)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :*0.14

Quantification limit :*0.37

	stats
Geometric mean	52
Median	57
Maximum	900
Minimum	6

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	14	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	18	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	23	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	40	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	52	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	47	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	31	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	93	MV
	9	Chichijima Island	10/6 ~ 10/13	120	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	57	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	37	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	75	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	61	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	52	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	78	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	77	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	45	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	69	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	30	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	50	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	94	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	37	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	58	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	170	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	18	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	66	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	68	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	71	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	30	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	100	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	69	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	900	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	68	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	60	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	36	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	49	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	6	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[11-1] α-HCH· air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.08

	stats
Geometric mean	36
Median	37
Maximum	700
Minimum	4.9

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	10	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	15	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	18	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	28	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	36	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	31	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	22	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	69	MV
	9	Chichijima Island	10/6 ~ 10/13	100	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	33	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	25	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	47	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	44	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	40	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	49	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	57	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	31	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	47	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	23	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	37	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	62	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	23	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	31	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	99	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	15	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	44	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	43	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	42	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	18	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	69	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	39	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	700	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	45	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	45	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	26	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	33	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	4.9	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[11-2] β -HCH• air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.04

Quantification limit :0.11

	stats
Geometric mean	4.1
Median	5.1
Maximum	59
Minimum	0.67

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.3	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.67	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	1.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	4.3	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	3.4	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	2.9	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	2.1	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	2.5	MV
	9	Chichijima Island	10/6 ~ 10/13	0.86	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	7.6	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	2.8	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	8.4	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	5.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	2.8	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	5.8	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	3.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	7.5	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	2.1	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	5.2	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	12	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	3.8	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	6.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	26	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	9.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	6.2	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	7.0	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	2.7	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	7.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	9.4	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	59	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	6.3	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	5.5	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	1.7	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	5.1	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.70	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[11-3] γ -HCH(synonym:Lindane)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.04

Quantification limit :0.10

	stats
Geometric mean	10
Median	11
Maximum	93
Minimum	0.84

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	2.1	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	2.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	3.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	7.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	12	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	11	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	5.9	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	21	MV
	9	Chichijima Island	10/6 ~ 10/13	15	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	15	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	8.9	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	18	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	10	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	8.0	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	16	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	13	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	10	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	13	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	4.9	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	7.6	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	19	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	9.7	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	20	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	40	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	2.2	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	12	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	18	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	21	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	8.9	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	21	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	19	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	93	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	14	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	8.4	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	8.0	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	10	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.84	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[11-4] δ-HCH• air (pg/m3)

Monitored year :2017

Detection Frequency (site) :36/37(Missing value :0)

Detection Frequency (sample) :36/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.08

	stats
Geometric mean	0.80
Median	0.92
Maximum	46
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.11	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.09	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.24	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.80	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.92	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	2.0	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.60	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.59	MV
	9	Chichijima Island	10/6 ~ 10/13	0.24	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1.7	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.49	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	1.6	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	1.2	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	1.6	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	1.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	1.3	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.36	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	0.41	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.49	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.58	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	6.6	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.12	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.78	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.84	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	1.1	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.47	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	2.4	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	1.8	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	46	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	2.4	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1.0	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.62	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	1.2	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) nd: Not detected

[14] Polybromodiphenyl ethers(Br4~Br10)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :33/37(Missing value :0)

Detection Frequency (sample) :33/37(Missing value :0)

Detection limit :*1.5

Quantification limit :*4.2

	stats
Geometric mean	6.0
Median	7.0
Maximum	190
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(1.8)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	4.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	37	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(1.9)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	9.9	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(4.0)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	17	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	190	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	24	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	26	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	10	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(2.9)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	18	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	5.5	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	6.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	12	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	4.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	10	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	15	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	10	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	6.0	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	8.8	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	7.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	5.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	4.8	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	7.5	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	7.8	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	6.7	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(2.1)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	8.5	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	4.7	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	11	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	9.9	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

(Note 6) *: indicates the sum value of the Quantification [Detection] limits of each congener.

[14-1] Tetrabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.05

Quantification limit :0.15

	stats
Geometric mean	0.39
Median	0.34
Maximum	4.1
Minimum	tr(0.06)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.09)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.08)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.14)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.24	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.07)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.51	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.22	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.79	MV
	9	Chichijima Island	10/6 ~ 10/13	0.18	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1.5	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.93	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.96	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	3.2	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.27	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.18	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.25	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.84	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.76	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.11)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.62	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.47	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.60	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	4.1	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.26	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.59	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.41	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.21	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.22	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.74	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	1.1	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.28	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.16	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.19	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.34	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.06)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[14-1-1] 2,2',4,4'-Tetrabromodiphenyl ether (#47)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.02

Quantification limit :0.06

	stats
Geometric mean	0.28
Median	0.25
Maximum	3.8
Minimum	0.06

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.07	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.06	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.13	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.17	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.07	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.39	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.12	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.55	MV
	9	Chichijima Island	10/6 ~ 10/13	0.14	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1.1	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.57	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.64	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	2.9	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.16	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.46	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.14	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.19	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.61	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.62	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.09	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.41	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.31	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.42	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	3.8	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.18	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.45	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.31	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.14	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.16	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.47	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.92	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.19	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.10	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.13	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.25	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.06	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[14-2] Pentabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :33/37(Missing value :0)

Detection Frequency (sample) :33/37(Missing value :0)

Detection limit :0.04

Quantification limit :0.10

	stats
Geometric mean	0.11
Median	0.10
Maximum	3.4
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.05)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.05)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.06)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.38	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.13	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.18	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.06)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.40	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.27	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.16	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	3.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.08)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.06)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.06)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.17	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.61	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.04)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.12	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.07)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.35	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.10	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.4	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.07)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.12	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.10	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.04)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.11	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.10	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.26	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.05)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.05)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.07)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-2-1] 2,2',4,4',5-Pentabromodiphenyl ether (#99)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.04

	stats
Geometric mean	0.08
Median	0.06
Maximum	2.6
Minimum	0.01

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.02)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.04	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.04	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.29	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.06	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.12	MV
	9	Chichijima Island	10/6 ~ 10/13	0.05	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.27	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.17	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.11	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	2.6	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.04	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.46	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.05	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.05	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.12	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.42	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.03)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.08	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.06	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.25	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.08	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.93	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.04	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.09	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.07	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.03)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.07	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.07	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.18	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.03)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.04	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	tr(0.03)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.05	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.02)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[14-3] Hexabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :11/37(Missing value :0)

Detection Frequency (sample) :11/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	nd
Median	nd
Maximum	2.1
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.2)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.1)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.1)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.1)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.1)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.1)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	2.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.1)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.1)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.1)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-3-1] 2,2',4,4',5,5'-Hexabromodiphenyl ether (#153)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :9/37(Missing value :0)

Detection Frequency (sample) :9/37(Missing value :0)

Detection limit :0.04

Quantification limit :0.11

	stats
Geometric mean	nd
Median	nd
Maximum	0.65
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.09)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.07)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.07)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.04)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.18	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.65	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.05)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.04)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.04)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-3-2] 2,2',4,4',5,6'-Hexabromodiphenyl ether (#154)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :8/37(Missing value :0)

Detection Frequency (sample) :8/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.07

	stats
Geometric mean	nd
Median	nd
Maximum	0.37
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.06)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.03)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.04)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.03)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.18	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.37	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.03)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.03)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	nd	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-4] Heptabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :10/37(Missing value :0)

Detection Frequency (sample) :10/37(Missing value :0)

Detection limit :0.2

Quantification limit :0.4

	stats
Geometric mean	nd
Median	nd
Maximum	3.2
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.6	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.2)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.4	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.9	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.3)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	1.1	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	3.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.4	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.3)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.2)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-4-1] 2,2',3,3',4,5',6'-Heptabromodiphenyl ether (#175)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :2/37(Missing value :0)

Detection Frequency (sample) :2/37(Missing value :0)

Detection limit :0.06

Quantification limit :0.16

	stats
Geometric mean	nd
Median	nd
Maximum	0.11
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	nd	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.06)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.11)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	nd	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-4-2] 2,2',3,4,4',5',6'-Heptabromodiphenyl ether (#183)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :10/37(Missing value :0)

Detection Frequency (sample) :10/37(Missing value :0)

Detection limit :0.06

Quantification limit :0.15

	stats
Geometric mean	nd
Median	nd
Maximum	0.75
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.18	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.06)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.22	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.21	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.11)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.75	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.08)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.09)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.07)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-5] Octabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :28/37(Missing value :0)

Detection Frequency (sample) :28/37(Missing value :0)

Detection limit :0.07

Quantification limit :0.21

	stats
Geometric mean	tr(0.19)
Median	0.23
Maximum	5.7
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.35	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.86	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.31	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.53	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	5.7	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.81	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	3.9	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.09)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	2.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.16)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.12)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.39	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.14)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.18)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.34	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.23	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.24	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.07)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.21	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.18)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.23	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.08)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.63	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.41	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.27	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.32	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.31	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-6] Nonabromodiphenyl ethers/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :31/37(Missing value :0)

Detection Frequency (sample) :31/37(Missing value :0)

Detection limit :0.2

Quantification limit :0.6

	stats
Geometric mean	0.8
Median	0.8
Maximum	40
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	4.0	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	1.6	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.5)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1.7	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	40	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	2.9	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	7.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.4)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.4)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	2.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.7	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	1.7	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.5)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	1.4	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1.9	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	1.3	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	1.0	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.2)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.6	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	1.0	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.8	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	1.1	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.2)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	1.1	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.5)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1.5	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	1.4	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[14-7] Decabromodiphenyl ether/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :34/37(Missing value :0)

Detection Frequency (sample) :34/37(Missing value :0)

Detection limit :0.8

Quantification limit :2.4

	stats
Geometric mean	4.2
Median	4.4
Maximum	140
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(1.7)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	4.0	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.9)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	32	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(1.8)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	5.7	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	2.5	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	13	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	140	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	19	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	12	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	3.0	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(2.1)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	5.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	4.4	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	5.0	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	8.7	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	2.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	8.7	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	12	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	8.4	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	2.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	6.8	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(1.2)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	4.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	3.3	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	5.8	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	6.7	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	4.1	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(1.1)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	5.2	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	3.4	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	9.0	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	7.8	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[15] Perfluorooctane sulfonic acid (PFOS)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	2.9
Median	2.7
Maximum	8.9
Minimum	1.1

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.5	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	1.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	2.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	6.2	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	6.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	6.6	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	5.6	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	3.7	MV
	9	Chichijima Island	10/6 ~ 10/13	8.9	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1.7	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	4.6	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	3.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	2.4	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	4.1	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	2.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	6.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	1.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	1.8	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1.6	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	1.1	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	2.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	2.5	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.3	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	1.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	5.0	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	8.0	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	2.4	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	3.6	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	3.2	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	1.3	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	6.0	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1.2	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	4.3	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	4.3	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	6.3	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[16] Perfluorooctanoic acid (PFOA)/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :1.1

Quantification limit :3.3

	stats
Geometric mean	14
Median	13
Maximum	150
Minimum	tr(2.0)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(2.0)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(3.2)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	8.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	13	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	11	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	19	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	11	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	59	MV
	9	Chichijima Island	10/6 ~ 10/13	6.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	39	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	20	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	37	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	10	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	13	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	9.0	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	11	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	9.1	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	45	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	19	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	6.8	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	22	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	11	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	22	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	11	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	14	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	32	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	29	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	65	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	11	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	7.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	8.1	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	15	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	14	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	5.6	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	150	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	16	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	5.5	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[17] Pentachlorobenzene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	71
Median	69
Maximum	200
Minimum	32

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	32	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	41	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	47	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	49	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	75	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	65	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	67	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	110	MV
	9	Chichijima Island	10/6 ~ 10/13	37	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	120	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	100	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	73	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	95	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	63	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	100	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	110	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	69	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	67	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	83	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	36	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	100	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	48	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	88	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	77	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	47	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	77	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	130	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	140	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	50	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	59	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	55	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	200	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	110	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	53	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	50	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	89	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	42	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler , MV: Medium Volume Air Sampler

[19] 1,2,5,6,9,10-Hexabromocyclododecanes/air (pg/m³)

Monitored year :2017

Detection Frequency (site) :32/37(Missing value :0)

Detection Frequency (sample) :32/37(Missing value :0)

Detection limit :*0.3

Quantification limit :*0.9

	stats
Geometric mean	tr(0.7)
Median	tr(0.7)
Maximum	4.6
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.3	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.4)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.4)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.8)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.7)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	1.5	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	2.4	MV
	9	Chichijima Island	10/6 ~ 10/13	1.8	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1.2	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	2.6	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.6)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.5)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.6)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.6)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	1.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.6)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	2.9	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.4)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.8)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.4)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.7)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	2.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	1.6	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	1.9	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.5)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.7)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.9	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	1.2	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1.0	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	4.6	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.5)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

(Note 6) *: indicates the sum value of the Quantification [Detection] limits of each congener.

[19-1] α -1,2,5,6,9,10-Hexabromocyclododecane/air (pg/m³)

Monitored year :2017

Detection Frequency (site) :36/37(Missing value :0)

Detection Frequency (sample) :36/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	0.5
Median	0.5
Maximum	3.3
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.0	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.3	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.5	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.4	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	1.3	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1.9	MV
	9	Chichijima Island	10/6 ~ 10/13	1.3	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.6	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	1.4	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.2)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.8	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.1)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.4	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.5	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	0.5	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.8	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	0.4	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.3	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.3	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.5	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	1.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	1.2	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	1.4	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.4	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.2)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.5	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.8	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.6	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	3.3	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.4	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[19-2] β -1,2,5,6,9,10-Hexabromocyclododecane/air (pg/m³)

Monitored year :2017

Detection Frequency (site) :33/37(Missing value :0)

Detection Frequency (sample) :33/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	tr(0.2)
Median	tr(0.1)
Maximum	0.8
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.2)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(0.1)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.1)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.1)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.2)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.3	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.1)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.1)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.4	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(0.1)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.1)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.3	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.1)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	tr(0.1)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.2)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.1)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.1)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.4	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.4	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.1)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.1)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.2)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.3	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.2)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.8	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.1)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[19-3] γ -1,2,5,6,9,10-Hexabromocyclododecane/air (pg/m³)

Monitored year :2017

Detection Frequency (site) :20/37(Missing value :0)

Detection Frequency (sample) :20/37(Missing value :0)

Detection limit :0.1

Quantification limit :0.3

	stats
Geometric mean	tr(0.1)
Median	tr(0.1)
Maximum	0.8
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.1)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.2)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(0.2)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.2)	MV
	9	Chichijima Island	10/6 ~ 10/13	0.4	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.5	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.8	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.4	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	tr(0.1)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.2)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.1)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.1)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	tr(0.1)	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.1)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	nd	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.2)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.1)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.2)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.5	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[20] Total Polychlorinated Naphthalenes/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :*0.24

Quantification limit :*0.67

	stats
Geometric mean	110
Median	120
Maximum	920
Minimum	7

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	86	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	29	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	20	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	75	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	41	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	84	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	110	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	120	MV
	9	Chichijima Island	10/6 ~ 10/13	24	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	190	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	170	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	130	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	57	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	120	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	380	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	190	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	79	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	130	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	71	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	110	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	160	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	74	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	260	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	560	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	16	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	150	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	920	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	380	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	560	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	310	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	150	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	190	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	190	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	96	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	17	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	72	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	7	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[20-1] monochlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.08

Quantification limit :0.24

	stats
Geometric mean	62
Median	72
Maximum	720
Minimum	3.1

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	54	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	20	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	13	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	52	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	22	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	58	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	80	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	72	MV
	9	Chichijima Island	10/6 ~ 10/13	5.4	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	130	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	95	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	69	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	33	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	100	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	78	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	150	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	50	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	76	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	45	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	85	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	92	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	52	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	71	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	450	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	9.7	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	73	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	720	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	170	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	490	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	240	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	97	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	130	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	140	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	67	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	9.0	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	33	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	3.1	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[20-2] dichlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.07

	stats
Geometric mean	17
Median	18
Maximum	180
Minimum	1.9

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	20	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	7.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	3.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	12	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	8.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	13	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	15	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	18	MV
	9	Chichijima Island	10/6 ~ 10/13	2.4	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	33	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	30	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	25	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	9.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	8.2	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	21	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	28	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	12	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	21	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	16	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	15	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	22	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	11	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	14	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	73	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	3.1	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	29	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	170	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	180	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	55	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	53	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	33	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	31	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	38	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	19	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	3.4	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	15	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	1.9	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[20-3] trichlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.02

Quantification limit :0.05

	stats
Geometric mean	7.7
Median	7.3
Maximum	150
Minimum	1.2

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	6.8	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	1.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	1.3	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	4.0	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	5.6	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	6.7	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	7.1	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	17	MV
	9	Chichijima Island	10/6 ~ 10/13	12	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	14	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	17	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	9.8	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	7.5	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	4.8	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	150	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	5.3	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	7.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	9.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	6.1	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	3.1	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	13	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	4.0	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	82	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	13	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.6	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	13	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	18	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	22	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	6.4	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	9.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	5.3	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	11	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	7.3	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	5.5	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	2.6	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	9.0	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	1.7	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[20-4] tetrachlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.04

Quantification limit :0.12

	stats
Geometric mean	7.1
Median	6.8
Maximum	120
Minimum	0.54

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	3.9	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.81	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	1.6	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	5.3	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	3.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	5.4	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	4.6	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	11	MV
	9	Chichijima Island	10/6 ~ 10/13	4.3	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	13	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	26	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	17	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	6.1	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	3.8	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	120	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	5.9	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	7.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	12	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	2.9	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	6.8	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	28	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	6.2	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	90	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	21	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	1.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	26	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	12	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	11	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	7.0	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	6.9	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	12	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	11	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	5.0	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	3.7	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	2.0	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	13	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.54	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[20-5] pentachlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.02

Quantification limit :0.06

	stats
Geometric mean	1.3
Median	1.4
Maximum	14
Minimum	0.05

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.1	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.11	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.35	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	1.5	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.45	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.85	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.71	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1.9	MV
	9	Chichijima Island	10/6 ~ 10/13	0.09	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	3.3	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	4.0	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	8.2	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	1.1	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.59	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	14	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	1.6	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	1.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	6.8	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.46	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	1.4	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	6.6	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	1.2	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	5.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	3.9	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.14	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	5.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	1.3	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.98	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	2.1	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	1.9	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	4.4	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	3.9	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.93	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1.1	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.23	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	2.1	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.05)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[20-6] hexachlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.03

	stats
Geometric mean	0.12
Median	0.12
Maximum	1.2
Minimum	0.01

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	0.22	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	0.07	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.17	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	0.05	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.11	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	0.10	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	0.17	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.33	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	0.33	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	0.66	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.11	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	0.05	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.35	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.11	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	0.19	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	1.2	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	0.05	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	0.08	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.46	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	0.09	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	0.32	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.02)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	0.33	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	0.08	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.08	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	0.20	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	0.20	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	0.27	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.42	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	0.10	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	0.12	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	0.03	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	0.16	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(0.01)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[20-7] heptachlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :12/37(Missing value :0)

Detection Frequency (sample) :12/37(Missing value :0)

Detection limit :0.03

Quantification limit :0.07

	stats
Geometric mean	nd
Median	nd
Maximum	0.1
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.10	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.03)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	nd	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	tr(0.05)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.04)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.03)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(0.03)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	nd	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.04)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	nd	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	tr(0.05)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	tr(0.05)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	nd	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	nd	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	nd	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.04)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	tr(0.04)	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.03)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	nd	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[20-8] octachlorinated Naphthalene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :33/37(Missing value :0)

Detection Frequency (sample) :33/37(Missing value :0)

Detection limit :0.01

Quantification limit :0.03

	stats
Geometric mean	tr(0.02)
Median	tr(0.01)
Maximum	0.15
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	0.15	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	0.03	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(0.01)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	tr(0.01)	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	0.03	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	tr(0.02)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	tr(0.01)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	0.03	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	tr(0.01)	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	0.06	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	0.05	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	nd	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	tr(0.01)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(0.02)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(0.01)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	0.04	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	nd	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	0.06	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	tr(0.01)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	tr(0.01)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	tr(0.02)	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	0.03	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	tr(0.01)	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	tr(0.01)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	tr(0.01)	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	0.08	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(0.02)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	tr(0.01)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	tr(0.01)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	tr(0.01)	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	nd	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[21] Hexachlorobuta-1,3-diene/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :20

Quantification limit :60

	stats
Geometric mean	4,200
Median	4,000
Maximum	23,000
Minimum	1,100

Local communities	No	Monitored sites	Warm season		Air sampler	
			Sampling dates	Measured value		
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	2,600	MV	
				1,900		
				2,100		
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	3,000	HV	
				9/13 ~ 9/14		4,400
				9/14 ~ 9/15		3,100
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	3,700	HV	
				9/13 ~ 9/14		4,900
				9/14 ~ 9/15		4,100
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	2,500	MV	
				2,300		
				2,700		
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	5,000	MV	
				2,500		
				7,100		
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	2,300	MV	
				2,500		
				2,800		
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	4,800	MV	
				4,500		
				3,100		
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	3,300	MV	
				8,400		
				6,500		
	9	Chichijima Island	10/6 ~ 10/13	2,600	MV	
				3,100		
				2,700		
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	2,200	HV	
				9/6 ~ 9/7		2,400
				9/7 ~ 9/8		2,500
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	3,400	MV	
				9,700		
				6,400		
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	3,700	HV	
				8/23 ~ 8/24		4,200
				8/24 ~ 8/25		3,400
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	4,600	HV	
				9/20 ~ 9/21		12,000
				9/21 ~ 9/22		7,900
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	2,300	HV	
				9/6 ~ 9/7		2,500
				9/7 ~ 9/8		3,700
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	3,600	HV	
				9/13 ~ 9/14		5,000
				9/14 ~ 9/15		4,600
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	8,500	MV	
				6,800		
				6,300		
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	3,800	HV	
				9/13 ~ 9/14		4,500
				9/14 ~ 9/15		4,200
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	4,000	MV	
				5,200		
				2,300		
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	6,000	HV	
				9/20 ~ 9/21		9,400
				9/21 ~ 9/22		5,600
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	3,400	HV	
				10/4 ~ 10/5		2,800
				10/5 ~ 10/6		3,200

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	8,200	HV
			9/20 ~ 9/21	11,000	
			9/21 ~ 9/22	6,000	
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	4,200	HV
			8/30 ~ 8/31	3,600	
			8/31 ~ 9/1	1,900	
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	5,800	HV
			9/13 ~ 9/14	4,800	
			9/14 ~ 9/15	4,500	
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	1,500	HV
			8/23 ~ 8/24	1,500	
			8/24 ~ 8/25	1,200	
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	7,100	HV
			9/27 ~ 9/28	4,200	
			9/28 ~ 9/29	4,000	
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	5,100	HV
			9/13 ~ 9/14	4,500	
			9/14 ~ 9/15	4,000	
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	20,000	MV
				21,000	
				12,000	
Yamaguchi Pref.	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	23,000	MV
				20,000	
				7,700	
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	4,700	HV
			9/27 ~ 9/28	3,300	
			9/28 ~ 9/29	4,000	
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	3,900	MV
				4,400	
				4,300	
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	1,100	HV
			8/23 ~ 8/24	1,200	
			8/24 ~ 8/25	1,100	
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	8,300	HV
			9/26 ~ 9/27	5,600	
			9/27 ~ 9/28	7,600	
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	11,000	MV
				13,000	
				12,000	
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	3,600	HV
			10/4 ~ 10/5	3,500	
			10/5 ~ 10/6	3,100	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	2,600	MV
				4,900	
				5,700	
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	3,400	HV
			8/30 ~ 8/31	7,000	
			8/31 ~ 9/1	3,200	
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	1,600	HV
			8/29 ~ 8/30	2,100	
			8/30 ~ 8/31	3,600	

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[22] Pentachlorophenol and its salts and esters/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :*0.7

Quantification limit :*1.8

	stats
Geometric mean	39
Median	42
Maximum	240
Minimum	6.7

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	13	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	8.7	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	24	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	61	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	64	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	59	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	60	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	97	MV
	9	Chichijima Island	10/6 ~ 10/13	6.7	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	240	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	94	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	140	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	48	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	20	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	75	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	42	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	34	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	37	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	14	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyojo Senior High School(Joyo City)	10/3 ~ 10/4	33	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	44	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	36	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	55	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	65	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	7.6	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	42	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	99	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	130	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	24	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	42	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	120	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	54	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	30	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	20	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	10	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	73	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	11	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) * : indicates the sum value of the Quantification [Detection] limits of each congener.

[22-1] Pentachlorophenol/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.2

Quantification limit :0.6

	stats
Geometric mean	4.6
Median	4.8
Maximum	33
Minimum	0.7

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	1.6	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	0.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	2.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	5.6	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	4.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	5.3	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	3.5	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	11	MV
	9	Chichijima Island	10/6 ~ 10/13	0.7	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	33	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	14	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	7.9	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	7.6	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	2.2	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	9.4	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	8.3	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	3.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	5.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	1.7	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	4.1	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	9.8	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	5.8	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	9.2	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	4.1	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	0.9	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	5.9	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	19	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	33	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	4.2	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	4.8	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	11	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	5.5	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	3.6	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	3.8	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	1.2	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	4.0	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	0.7	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[22-2] Pentachloroanisole/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :0.5

Quantification limit :1.2

	stats
Geometric mean	34
Median	36
Maximum	210
Minimum	6

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	11	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	7.8	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	21	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	55	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	59	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	54	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	56	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	86	MV
	9	Chichijima Island	10/6 ~ 10/13	6.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	210	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	80	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	130	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	40	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	18	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	66	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	34	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	30	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	31	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	12	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	29	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	34	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	30	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	46	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	61	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	6.7	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	36	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	80	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	93	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	20	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	37	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	110	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	49	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	26	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	16	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	9.3	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	69	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	10	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[23] Short-chain chlorinated paraffins/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :*180

Quantification limit :*550

	stats
Geometric mean	1,300
Median	1,400
Maximum	5,700
Minimum	tr(210)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(210)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	800	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(470)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	950	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	1,300	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	670	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	570	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	3,000	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(310)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	2,500	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	3,300	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	1,600	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	670	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	1,100	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	2,700	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	950	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	2,100	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	4,100	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	800	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(500)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	3,100	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	1,500	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	5,700	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	840	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	700	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	1,600	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	1,800	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	1,400	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	1,700	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	1,400	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	3,600	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	1,400	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	840	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	1,000	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	2,400	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	2,300	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(460)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

(Note 6) *: indicates the sum value of the Quantification [Detection] limits of each congener.

[23-1] Chlorinated decanes/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :50

Quantification limit :140

	stats
Geometric mean	370
Median	380
Maximum	1,500
Minimum	tr(70)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(80)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	480	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	180	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	320	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	630	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	220	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	180	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	790	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(70)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	590	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	900	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	520	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	310	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	330	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	1000	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	380	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	350	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	770	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	200	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	210	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1000	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	510	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1,500	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	230	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	200	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	540	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	620	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	420	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	410	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	270	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	530	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	460	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	300	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	180	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	260	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	520	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	200	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

[23-2] Chlorinated undecanes/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :60

Quantification limit :190

	stats
Geometric mean	500
Median	510
Maximum	2,300
Minimum	tr(90)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(90)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	240	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(130)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	360	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	420	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	240	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	190	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	1,400	MV
	9	Chichijima Island	10/6 ~ 10/13	210	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	1,200	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	1,300	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	610	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	200	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	430	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	940	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	320	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	1,200	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	2,100	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	350	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(180)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	1,300	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	520	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1,900	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	280	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	210	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	610	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	530	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	670	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	630	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	690	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	2,300	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	510	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	280	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	480	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	1,800	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	820	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(140)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[23-3] Chlorinated dodecanes/air (pg/m3)

Monitored year :2017

Detection Frequency (site) :37/37(Missing value :0)

Detection Frequency (sample) :37/37(Missing value :0)

Detection limit :30

Quantification limit :100

	stats
Geometric mean	190
Median	190
Maximum	730
Minimum	tr(30)

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	tr(40)	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(40)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(60)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	160	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	130	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	110	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(90)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	460	MV
	9	Chichijima Island	10/6 ~ 10/13	tr(30)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	480	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	690	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	300	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(80)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	170	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	410	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	160	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	350	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	730	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	150	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Jyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(70)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	480	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	240	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	710	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	170	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	160	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	270	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	300	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	150	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	420	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	250	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	500	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	200	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	150	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	250	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	190	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	530	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(60)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

[23-4] Chlorinated tridecanes/air(pg/m3)

Monitored year :2017

Detection Frequency (site) :35/37(Missing value :0)

Detection Frequency (sample) :35/37(Missing value :0)

Detection limit :40

Quantification limit :120

	stats
Geometric mean	150
Median	160
Maximum	1,600
Minimum	nd

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/10 ~ 10/17	nd	MV
Sapporo City	2	Sapporo Art Park(Sapporo City)	9/12 ~ 9/13	tr(40)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Iwate Pref.	3	Sugo Air Quality Monitoring Station(Takizawa City)	9/12 ~ 9/13	tr(100)	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment(Sendai City)	9/5 ~ 9/12	tr(110)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences(Murayama City)	8/23 ~ 8/30	tr(90)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)	9/6 ~ 9/13	tr(100)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station(Ichihara City)	9/13 ~ 9/20	tr(110)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection(Koto Ward)	9/19 ~ 9/26	330	MV
	9	Chichijima Island	10/6 ~ 10/13	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center(Hiratsuka City)	9/5 ~ 9/6	250	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yokohama City	11	Yokohama Environmental Science Research Institute(Yokohama City)	9/19 ~ 9/22	400	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station(Niigata City)	8/22 ~ 8/23	220	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Toyama Pref.	13	Tonami Air Quality Monitoring Station(Tonami City)	9/19 ~ 9/20	tr(80)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science(Kanazawa City)	9/5 ~ 9/6	160	HV
			9/6 ~ 9/7		
			9/7 ~ 9/8		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment(Kofu City)	9/12 ~ 9/13	390	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute(Nagano City)	9/20 ~ 9/27	tr(90)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences(Kakamigahara City)	9/12 ~ 9/13	180	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nagoya City	18	Chikusa Ward Heiwa Park(Nagoya City)	8/29 ~ 9/5	540	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute(Yokkaichi City)	9/19 ~ 9/20	tr(100)	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Kyoto Pref.	20	Kyoto Prefecture Joyo Senior High School(Joyo City)	10/3 ~ 10/4	tr(40)	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		

Local communities	No	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Osaka Pref.	21	Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)	9/19 ~ 9/20	290	HV
			9/20 ~ 9/21		
			9/21 ~ 9/22		
Hyogo Pref.	22	Hyogo Prefectural Environmental Research Center(Kobe City)	8/29 ~ 8/30	190	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Kobe City	23	Kobe City Government Building(Kobe City)	9/12 ~ 9/13	1,600	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Nara Pref.	24	Tenri Air Quality Monitoring Station(Tenri City)	8/22 ~ 8/23	160	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Shimane Pref.	25	Oki National Acid Rain Observatory(Okinoshima Town)	9/26 ~ 9/27	130	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Hiroshima City	26	Hiroshima City Kokutaiji Junior High School(Hiroshima City)	9/12 ~ 9/13	200	HV
			9/13 ~ 9/14		
			9/14 ~ 9/15		
Yamaguchi Pref.	27	Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)	9/19 ~ 9/26	320	MV
	28	Hagi Museum(Hagi City)	9/19 ~ 9/26	180	MV
Tokushima Pref.	29	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)	9/26 ~ 9/27	250	HV
			9/27 ~ 9/28		
			9/28 ~ 9/29		
Kagawa Pref.	30	Kagawa Prefectural Public Swimming Pool(Takamatsu City)	9/27 ~ 10/4	140	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office(Uwajima City)	8/22 ~ 8/23	300	HV
			8/23 ~ 8/24		
			8/24 ~ 8/25		
Fukuoka Pref.	32	Omuta City Government Building(Omuta City)	9/25 ~ 9/26	220	HV
			9/26 ~ 9/27		
			9/27 ~ 9/28		
Saga Pref.	33	Saga Prefectural Environmental Research Center(Saga City)	9/19 ~ 9/26	tr(110)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science(Udo City)	10/3 ~ 10/4	120	HV
			10/4 ~ 10/5		
			10/5 ~ 10/6		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment(Miyazaki City)	9/5 ~ 9/12	200	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health(Kagoshima City)	8/29 ~ 8/30	400	HV
			8/30 ~ 8/31		
			8/31 ~ 9/1		
Okinawa Pref.	37	Cape Hedo(Kunigami Village)	8/28 ~ 8/29	tr(60)	HV
			8/29 ~ 8/30		
			8/30 ~ 8/31		

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

(Note 3) HV: High Volume Air Sampler, MV: Medium Volume Air Sampler

(Note 4) tr: detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected