

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 45/47 (Missing value : 0)

Detection limit : *6

Quantification limit : *7.8

	Aggregated value
Geometric mean	100
Median	81
Maximum	5,900
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	120
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(13)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	80
Akita Pref.	4	Lake Hachiro	77
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	20
Fukushima Pref.	6	Onahama Port	130
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	81
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	94
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	230
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	70
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	140
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,200
	13	Mouth of Riv. Sumida (Minato Ward)	1,800
Yokohama City	14	Yokohama Port	400
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	840
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	50
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	55
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	530
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5,900
Nagano Pref.	20	Lake Suwa (center)	39
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	17
Aichi Pref.	22	Nagoya Port	360
Mie Pref.	23	Yokkaichi Port	160
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	88
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2,300
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	880
Osaka City	27	Osaka Port	1,200
Hyogo Pref.	28	Offshore of Himeji	60
Kobe City	29	Kobe Port (center)	680
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	170
Okayama Pref.	31	Offshore of Mizushima	31
Hiroshima Pref.	32	Kure Port	100
	33	Hiroshima Bay	38
Yamaguchi Pref.	34	Tokuyama Bay	27
	35	Offshore of Ube	27
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	26
Kagawa Pref.	38	Takamatsu Port	520
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	700
Saga Pref.	41	Imari Bay	24
Nagasaki Pref.	42	Omura Bay	tr(7)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	67
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(12)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	18
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(12)
Okinawa Pref.	47	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 survey)

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 congeners.

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

Monitored year : 2021

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	tr(0.4)
Median	nd
Maximum	18
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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	Median tr(0.4)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.0
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.6)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1.9
	13	Mouth of Riv. Sumida (Minato Ward)	6.9
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.4
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.5)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	18
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(0.4)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.3
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	1.0
it value and more, less t	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.3
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(0.5)
Osaka City	27	Osaka Port	tr(0.4)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.5)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	6.7
	35	Offshore of Ube	2.1
	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	tr(0.4)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, 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 survey

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	11
Median	11
Maximum	530
Minimum	tr(1.0)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	25
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.7
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	23
Akita Pref.	4	Lake Hachiro	13
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	3.3
Fukushima Pref.	6	Onahama Port	31
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	21
it value and more, less t	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	11
(Note 4) nd : Not detec	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	13
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	21
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	42
	13	Mouth of Riv. Sumida (Minato Ward)	87
Yokohama City	14	Yokohama Port	6.6
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	25
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	2.0
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	5.3
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	200
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	530
Nagano Pref.	20	Lake Suwa (center)	3.4
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.5
Aichi Pref.	22	Nagoya Port	37
Mie Pref.	23	Yokkaichi Port	28
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	3.5
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	200
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	40
Osaka City	27	Osaka Port	76
Hyogo Pref.	28	Offshore of Himeji	6.2
Kobe City	29	Kobe Port (center)	29
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	21
Okayama Pref.	31	Offshore of Mizushima	4.0
Hiroshima Pref.	32	Kure Port	3.5
	33	Hiroshima Bay	3.1
Yamaguchi Pref.	34	Tokuyama Bay	10
	35	Offshore of Ube	4.4
	36	Offshore of Hagi	2.0
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	3.1
Kagawa Pref.	38	Takamatsu Port	16
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(1.0)
Kitakyushu City	40	Dokai Bay	27
Saga Pref.	41	Imari Bay	2.4
Nagasaki Pref.	42	Omura Bay	2.9
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	10
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	2.5
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(1.4)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.7
Okinawa Pref.	47	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 survey

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	18
Median	16
Maximum	1,700
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	37
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.6
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	22
Akita Pref.	4	Lake Hachiro	14
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	1.1
Fukushima Pref.	6	Onahama Port	39
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	19
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	27
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	26
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	14
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	43
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	380
	13	Mouth of Riv. Sumida (Minato Ward)	620
Yokohama City	14	Yokohama Port	74
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	200
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	7.1
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	7.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	190
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,700
Nagano Pref.	20	Lake Suwa (center)	4.0
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	3.2
Aichi Pref.	22	Nagoya Port	110
Mie Pref.	23	Yokkaichi Port	36
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	13
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	790
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	61
Osaka City	27	Osaka Port	220
Hyogo Pref.	28	Offshore of Himeji	16
Kobe City	29	Kobe Port (center)	140
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	32
Okayama Pref.	31	Offshore of Mizushima	8.1
Hiroshima Pref.	32	Kure Port	13
	33	Hiroshima Bay	9.7
Yamaguchi Pref.	34	Tokuyama Bay	4.4
	35	Offshore of Ube	5.3
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	4.1
Kagawa Pref.	38	Takamatsu Port	190
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(0.5)
Kitakyushu City	40	Dokai Bay	120
Saga Pref.	41	Imari Bay	6.1
Nagasaki Pref.	42	Omura Bay	1.0
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	12
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.5)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	1.0
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.9
Okinawa Pref.	47	Naha Port	49

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

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] Tetrachlorobiphenyls/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	31
Median	25
Maximum	3,200
Minimum	1.1

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	34
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	4.0
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	20
Akita Pref.	4	Lake Hachiro	18
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	5.3
Fukushima Pref.	6	Onahama Port	37
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	27
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	29
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	61
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	19
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	47
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	490
	13	Mouth of Riv. Sumida (Minato Ward)	720
Yokohama City	14	Yokohama Port	170
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	310
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	16
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	11
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3,200
Nagano Pref.	20	Lake Suwa (center)	14
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	8.3
Aichi Pref.	22	Nagoya Port	120
Mie Pref.	23	Yokkaichi Port	51
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	25
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	670
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	120
Osaka City	27	Osaka Port	410
Hyogo Pref.	28	Offshore of Himeji	19
Kobe City	29	Kobe Port (center)	180
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	49
Okayama Pref.	31	Offshore of Mizushima	10
Hiroshima Pref.	32	Kure Port	27
	33	Hiroshima Bay	14
Yamaguchi Pref.	34	Tokuyama Bay	4.1
	35	Offshore of Ube	7.2
	36	Offshore of Hagi	1.1
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	9.5
Kagawa Pref.	38	Takamatsu Port	210
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.3
Kitakyushu City	40	Dokai Bay	310
Saga Pref.	41	Imari Bay	8.2
Nagasaki Pref.	42	Omura Bay	2.3
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	22
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	3.7
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	3.1
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	3.9
Okinawa Pref.	47	Naha Port	89

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

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) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	tr(0.4)
Median	tr(0.3)
Maximum	7.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.4)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.5)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.4)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	0.9
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.4)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	4.8
	13	Mouth of Riv. Sumida (Minato Ward)	4.6
Yokohama City	14	Yokohama Port	0.9
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.3
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(0.8)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.7)
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	1.1
Mie Pref.	23	Yokkaichi Port	tr(0.5)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(0.5)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7.5
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.4
Osaka City	27	Osaka Port	7.6
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	1.0
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	1.1
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	2.3
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	Shinkawa-bashi Bridge, 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 survey)

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) /surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 5/47 (Missing value : 0)

Detection Frequency (sample) : 5/47 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(0.3)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.4)
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.7)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(0.4)
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-Onasin 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	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	16
Median	16
Maximum	450
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	20
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3.8
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	10
Akita Pref.	4	Lake Hachiro	19
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	7.1
Fukushima Pref.	6	Onahama Port	17
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	15
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	12
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	75
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	16
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	18
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	180
	13	Mouth of Riv. Sumida (Minato Ward)	240
Yokohama City	14	Yokohama Port	89
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	180
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	16
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	8.6
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	24
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	450
Nagano Pref.	20	Lake Suwa (center)	11
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	3.3
Aichi Pref.	22	Nagoya Port	66
Mie Pref.	23	Yokkaichi Port	30
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	28
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	430
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	180
Osaka City	27	Osaka Port	280
Hyogo Pref.	28	Offshore of Himeji	8.1
Kobe City	29	Kobe Port (center)	120
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	37
Okayama Pref.	31	Offshore of Mizushima	4.5
Hiroshima Pref.	32	Kure Port	24
	33	Hiroshima Bay	6.3
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	3.2
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	5.8
Kagawa Pref.	38	Takamatsu Port	66
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	140
Saga Pref.	41	Imari Bay	2.8
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	14
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	3.0
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	7.9
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.7
Okinawa Pref.	47	Naha Port	98

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

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) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	tr(1.1)
Median	tr(1.1)
Maximum	18
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1.1)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.8)
Akita Pref.	4	Lake Hachiro	tr(1.3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.6)
Fukushima Pref.	6	Onahama Port	tr(1.2)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(1.0)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.1)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	4.4
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	tr(1.1)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1.1)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	6.1
	13	Mouth of Riv. Sumida (Minato Ward)	8.6
Yokohama City	14	Yokohama Port	4.0
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(1.0)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.8)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.8
Nagano Pref.	20	Lake Suwa (center)	tr(0.8)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	3.8
Mie Pref.	23	Yokkaichi Port	tr(1.3)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	1.7
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	18
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	27	Osaka Port	10
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	4.3
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.5
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.8)
	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	4.0
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	8.7
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(1.1)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.9)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	3.2

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

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

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

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1.0)
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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	2.9
Median	2.6
Maximum	58
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.1
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.0)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.9
Akita Pref.	4	Lake Hachiro	3.8
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	1.6
Fukushima Pref.	6	Onahama Port	2.7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	2.2
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.3
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	12
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	2.9
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	2.8
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	24
	13	Mouth of Riv. Sumida (Minato Ward)	29
Yokohama City	14	Yokohama Port	13
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	32
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	2.6
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.6
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	3.4
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3.9
Nagano Pref.	20	Lake Suwa (center)	tr(1.2)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(1.1)
Aichi Pref.	22	Nagoya Port	8.6
Mie Pref.	23	Yokkaichi Port	4.4
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	3.9
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	58
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	19
Osaka City	27	Osaka Port	30
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	15
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	5.3
Okayama Pref.	31	Offshore of Mizushima	tr(0.7)
Hiroshima Pref.	32	Kure Port	2.4
	33	Hiroshima Bay	tr(0.8)
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	tr(0.9)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(1.2)
Kagawa Pref.	38	Takamatsu Port	10
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	20
Saga Pref.	41	Imari Bay	tr(0.7)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	2.6
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(1.0)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	2.1
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(0.9)
Okinawa Pref.	47	Naha Port	9.4

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

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

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

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1.2)
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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey

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) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.8)
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(0.8)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 45/47 (Missing value : 0)

Detection Frequency (sample) : 45/47 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.4

	Aggregated value
Geometric mean	10
Median	8.4
Maximum	260
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	9.0
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.2)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	5.4
Akita Pref.	4	Lake Hachiro	12
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	3.4
Fukushima Pref.	6	Onahama Port	7.7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	7.2
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	5.2
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	46
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	8.4
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	6.6
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	68
	13	Mouth of Riv. Sumida (Minato Ward)	72
Yokohama City	14	Yokohama Port	45
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	100
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	8.1
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	4.4
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	12
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	14
Nagano Pref.	20	Lake Suwa (center)	6.0
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.8)
Aichi Pref.	22	Nagoya Port	27
Mie Pref.	23	Yokkaichi Port	14
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	18
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	220
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	260
Osaka City	27	Osaka Port	150
Hyogo Pref.	28	Offshore of Himeji	9.3
Kobe City	29	Kobe Port (center)	130
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (Wakayama City)	24
Okayama Pref.	31	Offshore of Mizushima	4.0
Hiroshima Pref.	32	Kure Port	25
	33	Hiroshima Bay	5.1
Yamaguchi Pref.	34	Tokuyama Bay	1.9
	35	Offshore of Ube	4.4
	36	Offshore of Hagi	tr(0.6)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	3.9
Kagawa Pref.	38	Takamatsu Port	32
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	57
Saga Pref.	41	Imari Bay	3.1
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	8.4
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	2.1
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.7
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.5
Okinawa Pref.	47	Naha Port	190

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

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

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

Monitored year : 2021

Detection Frequency (site) : 14/47 (Missing value : 0)

Detection Frequency (sample) : 14/47 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.4

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	5.9
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.6
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1.5
	13	Mouth of Riv. Sumida (Minato Ward)	1.5
Yokohama City	14	Yokohama Port	tr(0.8)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.2
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(0.6)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(0.6)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	5.9
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	5.5
Osaka City	27	Osaka Port	2.0
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	1.5
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (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(0.8)
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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
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 survey)

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

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

Monitored year : 2021

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

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

Detection limit : 0.5

Quantification limit : 1.4

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1.4
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(0.5)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.4
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(1.2)
Osaka City	27	Osaka Port	tr(1.1)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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) /surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 10/47 (Missing value : 0)

Detection Frequency (sample) : 10/47 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.4

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2.8
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.7)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(0.7)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(0.7)
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(1.1)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.5
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.8
Osaka City	27	Osaka Port	1.5
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(1.0)
Wakayama Pref.	30	Kinokawa-Onasin 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	tr(0.6)
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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	1.4

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

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

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

Monitored year : 2021

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

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

Detection limit : 0.5

Quantification limit : 1.4

	Aggregated value
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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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] Heptachlorobiphenyls/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 27/47 (Missing value : 0)

Detection Frequency (sample) : 27/47 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	tr(1.8)
Median	tr(0.9)
Maximum	180
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.9)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.1)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	7.0
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.9)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	14
	13	Mouth of Riv. Sumida (Minato Ward)	13
Yokohama City	14	Yokohama Port	13
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	24
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.8)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	4.3
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(0.9)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	3.7
Mie Pref.	23	Yokkaichi Port	tr(1.1)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(0.9)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	34
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	180
Osaka City	27	Osaka Port	30
Hyogo Pref.	28	Offshore of Himeji	tr(1.0)
Kobe City	29	Kobe Port (center)	65
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	5.9
Okayama Pref.	31	Offshore of Mizushima	tr(0.8)
Hiroshima Pref.	32	Kure Port	8.6
	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	5.5
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	22
Saga Pref.	41	Imari Bay	tr(0.9)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.9)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	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 survey

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) /surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 15/47 (Missing value : 0)

Detection Frequency (sample) : 15/47 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	19
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(1.8)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(2.0)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(1.9)
Yokohama City	14	Yokohama Port	tr(1.6)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	3.1
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(0.8)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.2
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	19
Osaka City	27	Osaka Port	3.9
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	6.6
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(1.3)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.9)
	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(1.1)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	2.2
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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	16

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

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) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	tr(1.2)
Median	tr(0.9)
Maximum	52
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.9)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.1)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	2.8
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.9)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	4.4
	13	Mouth of Riv. Sumida (Minato Ward)	4.1
Yokohama City	14	Yokohama Port	4.6
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	8.3
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.8)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(1.3)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(0.9)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(1.8)
Mie Pref.	23	Yokkaichi Port	tr(1.1)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(0.9)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	10
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	52
Osaka City	27	Osaka Port	8.5
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	17
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.2
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	2.4
	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	2.5
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	7.1
Saga Pref.	41	Imari Bay	tr(0.9)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.9)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	47

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

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

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

Monitored year : 2021

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

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

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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

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

Monitored year : 2021

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

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

Detection limit : 0.5

Quantification limit : 1.3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	36
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(1.1)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	2.0
	13	Mouth of Riv. Sumida (Minato Ward)	tr(0.6)
Yokohama City	14	Yokohama Port	tr(0.5)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.6
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.9
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	36
Osaka City	27	Osaka Port	3.7
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	11
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	3.2
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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	33

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

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

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

Monitored year : 2021

Detection Frequency (site) : 3/47 (Missing value : 0)

Detection Frequency (sample) : 3/47 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	3.1
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.7)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.9
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	3.1

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

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	18
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(2)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(2)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	18
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	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
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 survey)

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] HCB (Hexachlorobenzene) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	6.8
Median	5.5
Maximum	180
Minimum	1.6

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	14
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	5.0
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	8.4
Akita Pref.	4	Lake Hachiro	4.7
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	6.1
Fukushima Pref.	6	Onahama Port	61
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	25
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	6.2
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	180
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	29
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	5.4
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	16
	13	Mouth of Riv. Sumida (Minato Ward)	7.2
Yokohama City	14	Yokohama Port	4.1
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	9.3
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	13
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7.4
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	71
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.5
Nagano Pref.	20	Lake Suwa (center)	11
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.2
Aichi Pref.	22	Nagoya Port	9.4
Mie Pref.	23	Yokkaichi Port	6.2
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	4.5
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	11
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	13
Osaka City	27	Osaka Port	7.9
Hyogo Pref.	28	Offshore of Himeji	2.0
Kobe City	29	Kobe Port (center)	2.9
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.2
Okayama Pref.	31	Offshore of Mizushima	2.3
Hiroshima Pref.	32	Kure Port	2.0
	33	Hiroshima Bay	1.6
Yamaguchi Pref.	34	Tokuyama Bay	2.8
	35	Offshore of Ube	2.8
	36	Offshore of Hagi	2.3
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	3.5
Kagawa Pref.	38	Takamatsu Port	3.1
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	2.8
Kitakyushu City	40	Dokai Bay	100
Saga Pref.	41	Imari Bay	3.7
Nagasaki Pref.	42	Omura Bay	1.7
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	5.8
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	3.7
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.4
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.0
Okinawa Pref.	47	Naha Port	2.3

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

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.

[6-1] *p,p'*-DDT/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	2.6
Median	2.7
Maximum	190
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	190
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	5.2
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	2.8
Akita Pref.	4	Lake Hachiro	1.5
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	9.8
Fukushima Pref.	6	Onahama Port	4.2
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.7
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.7
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	36
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	3.9
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.1
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	3.7
	13	Mouth of Riv. Sumida (Minato Ward)	4.2
Yokohama City	14	Yokohama Port	3.1
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.7
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	62
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.7
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	5.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.8
Nagano Pref.	20	Lake Suwa (center)	3.1
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.6
Aichi Pref.	22	Nagoya Port	1.4
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	21
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	30
Osaka City	27	Osaka Port	4.3
Hyogo Pref.	28	Offshore of Himeji	tr(0.4)
Kobe City	29	Kobe Port (center)	2.1
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	10
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	1.4
	33	Hiroshima Bay	1.5
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	tr(0.6)
	36	Offshore of Hagi	tr(0.5)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(0.6)
Kagawa Pref.	38	Takamatsu Port	1.9
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.3
Kitakyushu City	40	Dokai Bay	4.3
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	tr(0.5)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	3.6
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	4.5
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	2.5
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	3.2
Okinawa Pref.	47	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 survey

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

[6-2] *p,p'*-DDE/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	9.2
Median	8.0
Maximum	170
Minimum	0.9

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	170
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	6.4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	4.5
Akita Pref.	4	Lake Hachiro	8.0
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	12
Fukushima Pref.	6	Onahama Port	6.1
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	14
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	5.0
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	65
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	10
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	7.1
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	57
	13	Mouth of Riv. Sumida (Minato Ward)	130
Yokohama City	14	Yokohama Port	20
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	27
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	55
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	14
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3.8
Nagano Pref.	20	Lake Suwa (center)	30
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	7.7
Aichi Pref.	22	Nagoya Port	10
Mie Pref.	23	Yokkaichi Port	3.4
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	3.4
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	70
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	56
Osaka City	27	Osaka Port	14
Hyogo Pref.	28	Offshore of Himeji	2.3
Kobe City	29	Kobe Port (center)	11
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (Wakayama City)	34
Okayama Pref.	31	Offshore of Mizushima	2.0
Hiroshima Pref.	32	Kure Port	5.4
	33	Hiroshima Bay	2.7
Yamaguchi Pref.	34	Tokuyama Bay	1.1
	35	Offshore of Ube	2.1
	36	Offshore of Hagi	0.9
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	3.2
Kagawa Pref.	38	Takamatsu Port	16
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.5
Kitakyushu City	40	Dokai Bay	8.9
Saga Pref.	41	Imari Bay	3.5
Nagasaki Pref.	42	Omura Bay	0.9
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	15
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	3.1
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	7.6
Okinawa Pref.	47	Naha Port	57

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

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.

[6-3] *p,p'*-DDD/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	6.3
Median	6.1
Maximum	87
Minimum	0.9

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	87
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	3.4
Akita Pref.	4	Lake Hachiro	3.6
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	8.1
Fukushima Pref.	6	Onahama Port	17
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	3.3
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	36
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	6.4
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	4.0
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	16
	13	Mouth of Riv. Sumida (Minato Ward)	20
Yokohama City	14	Yokohama Port	26
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	20
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	47
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.5
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	6.2
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.7
Nagano Pref.	20	Lake Suwa (center)	15
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.5
Aichi Pref.	22	Nagoya Port	6.0
Mie Pref.	23	Yokkaichi Port	2.8
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	0.9
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	39
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	27
Osaka City	27	Osaka Port	16
Hyogo Pref.	28	Offshore of Himeji	1.6
Kobe City	29	Kobe Port (center)	11
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	18
Okayama Pref.	31	Offshore of Mizushima	2.0
Hiroshima Pref.	32	Kure Port	9.1
	33	Hiroshima Bay	3.5
Yamaguchi Pref.	34	Tokuyama Bay	0.9
	35	Offshore of Ube	2.2
	36	Offshore of Hagi	1.4
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	2.9
Kagawa Pref.	38	Takamatsu Port	8.8
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.5
Kitakyushu City	40	Dokai Bay	18
Saga Pref.	41	Imari Bay	6.1
Nagasaki Pref.	42	Omura Bay	1.4
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	5.2
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	3.2
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	1.1
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.5
Okinawa Pref.	47	Naha Port	33

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

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.

[6-4] *o,p'*-DDT/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 30/47 (Missing value : 0)

Detection Frequency (sample) : 30/47 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	tr(0.6)
Median	tr(0.5)
Maximum	33
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	24
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.3
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.8)
Akita Pref.	4	Lake Hachiro	tr(0.7)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	1.4
Fukushima Pref.	6	Onahama Port	1.9
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.4)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.7)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	6.6
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(0.7)
	13	Mouth of Riv. Sumida (Minato Ward)	1.2
Yokohama City	14	Yokohama Port	1.0
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(0.8)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	33
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.8)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1.1
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(0.5)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4.1
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	7.0
Osaka City	27	Osaka Port	1.1
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(0.8)
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	1.2
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.4)
	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	tr(0.5)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	40	Dokai Bay	1.1
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.7)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.4)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(0.5)
Okinawa Pref.	47	Naha Port	0.9

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

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

[6-5] *o,p'*-DDE/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.2

Quantification limit : 0.6

	Aggregated value
Geometric mean	tr(0.5)
Median	tr(0.4)
Maximum	92
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.9
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.3)
Akita Pref.	4	Lake Hachiro	tr(0.4)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	0.9
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.4)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.3)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.9
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	tr(0.4)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	0.7
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	22
	13	Mouth of Riv. Sumida (Minato Ward)	92
Yokohama City	14	Yokohama Port	4.5
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	6.3
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.2
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(0.4)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	0.9
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.2)
Aichi Pref.	22	Nagoya Port	0.7
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3.2
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	4.1
Osaka City	27	Osaka Port	1.3
Hyogo Pref.	28	Offshore of Himeji	tr(0.2)
Kobe City	29	Kobe Port (center)	0.7
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	15
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.3)
	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	0.9
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	0.7
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	0.8
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.5)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(0.3)
Okinawa Pref.	47	Naha Port	2.8

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

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

[6-6] *o,p'*-DDD/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.2

Quantification limit : 0.5

	Aggregated value
Geometric mean	3.5
Median	3.7
Maximum	54
Minimum	tr(0.3)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	22
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	0.9
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.2
Akita Pref.	4	Lake Hachiro	1.3
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4.0
Fukushima Pref.	6	Onahama Port	8.5
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4.7
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	5.6
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	12
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	5.3
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	14
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	6.8
	13	Mouth of Riv. Sumida (Minato Ward)	20
Yokohama City	14	Yokohama Port	27
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	54
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	12
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.1
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	34
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.9
Nagano Pref.	20	Lake Suwa (center)	3.7
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.9
Aichi Pref.	22	Nagoya Port	2.5
Mie Pref.	23	Yokkaichi Port	1.2
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	0.5
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	22
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	35
Osaka City	27	Osaka Port	37
Hyogo Pref.	28	Offshore of Himeji	0.8
Kobe City	29	Kobe Port (center)	8.1
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	17
Okayama Pref.	31	Offshore of Mizushima	0.8
Hiroshima Pref.	32	Kure Port	3.2
	33	Hiroshima Bay	1.5
Yamaguchi Pref.	34	Tokuyama Bay	0.5
	35	Offshore of Ube	0.9
	36	Offshore of Hagi	0.5
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	1.2
Kagawa Pref.	38	Takamatsu Port	4.0
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	40	Dokai Bay	16
Saga Pref.	41	Imari Bay	1.9
Nagasaki Pref.	42	Omura Bay	0.5
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	6.8
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	0.9
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.3)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	0.8
Okinawa Pref.	47	Naha Port	8.0

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

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.

[15] Perfluorooctane sulfonic acid (PFOS) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 30

Quantification limit : 80

	Aggregated value
Geometric mean	330
Median	300
Maximum	3,700
Minimum	tr(30)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	100
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(60)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	160
Akita Pref.	4	Lake Hachiro	320
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	300
Fukushima Pref.	6	Onahama Port	tr(70)
Ibaraki Pref.	7	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1,100
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	1,000
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	730
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	1,600
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	880
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	710
	13	Mouth of Riv. Sumida (Minato Ward)	2,400
Yokohama City	14	Yokohama Port	860
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	180
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	170
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2,600
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	220
Nagano Pref.	20	Lake Suwa (center)	260
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	170
Aichi Pref.	22	Nagoya Port	710
Mie Pref.	23	Yokkaichi Port	280
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	480
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3,000
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	3,700
Osaka City	27	Osaka Port	1,700
Hyogo Pref.	28	Offshore of Himeji	200
Kobe City	29	Kobe Port (center)	780
Wakayama Pref.	30	Kinokawa-Onashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	380
Okayama Pref.	31	Offshore of Mizushima	130
Hiroshima Pref.	32	Kure Port	170
	33	Hiroshima Bay	680
Yamaguchi Pref.	34	Tokuyama Bay	110
	35	Offshore of Ube	tr(70)
	36	Offshore of Hagi	tr(30)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	170
Kagawa Pref.	38	Takamatsu Port	180
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(70)
Kitakyushu City	40	Dokai Bay	330
Saga Pref.	41	Imari Bay	tr(30)
Nagasaki Pref.	42	Omura Bay	170
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	440
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	190
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	120
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	400
Okinawa Pref.	47	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 survey)

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.

[16] Perfluorooctanoic acid (PFOA) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 40

Quantification limit : 90

	Aggregated value
Geometric mean	1,100
Median	870
Maximum	23,000
Minimum	230

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	470
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	230
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	490
Akita Pref.	4	Lake Hachiro	2,600
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	540
Fukushima Pref.	6	Onahama Port	760
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3,900
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	1,400
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	2,600
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	2,800
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	2,300
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,400
	13	Mouth of Riv. Sumida (Minato Ward)	2,000
Yokohama City	14	Yokohama Port	1,100
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,300
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	760
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	750
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	23,000
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,200
Nagano Pref.	20	Lake Suwa (center)	620
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	410
Aichi Pref.	22	Nagoya Port	1,600
Mie Pref.	23	Yokkaichi Port	2,100
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	3,100
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7,600
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	13,000
Osaka City	27	Osaka Port	8,300
Hyogo Pref.	28	Offshore of Himeji	890
Kobe City	29	Kobe Port (center)	2,500
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	2,200
Okayama Pref.	31	Offshore of Mizushima	600
Hiroshima Pref.	32	Kure Port	350
	33	Hiroshima Bay	550
Yamaguchi Pref.	34	Tokuyama Bay	400
	35	Offshore of Ube	320
	36	Offshore of Hagi	520
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	610
Kagawa Pref.	38	Takamatsu Port	840
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	240
Kitakyushu City	40	Dokai Bay	1,000
Saga Pref.	41	Imari Bay	750
Nagasaki Pref.	42	Omura Bay	870
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1,200
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	780
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	280
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	630
Okinawa Pref.	47	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 survey)

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.

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

Monitored year : 2021

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

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

Detection limit : 0.4

Quantification limit : 1.1

	Aggregated value
Geometric mean	4.8
Median	3.5
Maximum	140
Minimum	1.2

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	7.2
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.8
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	2.0
Akita Pref.	4	Lake Hachiro	2.9
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	3.5
Fukushima Pref.	6	Onahama Port	20
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	29
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	4.7
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	140
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	27
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	4.4
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	14
	13	Mouth of Riv. Sumida (Minato Ward)	9.7
Yokohama City	14	Yokohama Port	3.8
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	6.9
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	10
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	7.0
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	18
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3.1
Nagano Pref.	20	Lake Suwa (center)	11
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	3.1
Aichi Pref.	22	Nagoya Port	20
Mie Pref.	23	Yokkaichi Port	6.7
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	2.7
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	39
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	12
Osaka City	27	Osaka Port	8.8
Hyogo Pref.	28	Offshore of Himeji	1.8
Kobe City	29	Kobe Port (center)	2.4
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.0
Okayama Pref.	31	Offshore of Mizushima	1.9
Hiroshima Pref.	32	Kure Port	1.6
	33	Hiroshima Bay	1.6
Yamaguchi Pref.	34	Tokuyama Bay	1.9
	35	Offshore of Ube	1.6
	36	Offshore of Hagi	1.2
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	2.6
Kagawa Pref.	38	Takamatsu Port	2.3
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.4
Kitakyushu City	40	Dokai Bay	27
Saga Pref.	41	Imari Bay	2.9
Nagasaki Pref.	42	Omura Bay	1.3
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	3.7
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	1.9
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	1.5
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.5
Okinawa Pref.	47	Naha Port	2.1

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

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.

[18] Endosulfans/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : *50

Quantification limit : *120

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	830
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(80)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(110)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(90)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	830
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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	tr(100)
Yokohama City	14	Yokohama Port	tr(90)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(50)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(50)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(90)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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(90)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(80)
Saga Pref.	41	Imari Bay	tr(100)
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	Shinkawa-bashi Bridge, 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 survey

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 target chemicals.

[18-1] α -Endosulfan/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 17/47 (Missing value : 0)

Detection Frequency (sample) : 17/47 (Missing value : 0)

Detection limit : 40

Quantification limit : 90

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	580
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(60)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	90
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(70)
Akita Pref.	4	Lake Hachiro	tr(40)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	580
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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	tr(80)
Yokohama City	14	Yokohama Port	tr(80)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(50)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(40)
Nagano Pref.	20	Lake Suwa (center)	tr(50)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(40)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(40)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(50)
Osaka City	27	Osaka Port	tr(40)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kinokawa-Onasin 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(80)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(70)
Saga Pref.	41	Imari Bay	90
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	Shinkawa-bashi Bridge, 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 survey)

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

[18-2] β -Endosulfan/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 10

Quantification limit : 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	250
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(20)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(20)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(20)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	250
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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(20)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	tr(20)
Yokohama City	14	Yokohama Port	tr(10)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	40
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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(10)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(10)
Saga Pref.	41	Imari Bay	tr(10)
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	Shinkawa-bashi Bridge, 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 survey

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/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 29/47 (Missing value : 0)

Detection Frequency (sample) : 29/47 (Missing value : 0)

Detection limit : *6

Quantification limit : *15

	Aggregated value
Geometric mean	tr(9)
Median	tr(8)
Maximum	170
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(14)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(7)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	17
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(8)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(10)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	160
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	tr(12)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	17
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	33
	13	Mouth of Riv. Sumida (Minato Ward)	80
Yokohama City	14	Yokohama Port	79
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	67
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(10)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	15
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(8)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(9)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	170
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	87
Osaka City	27	Osaka Port	47
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(10)
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	tr(12)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(7)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	tr(10)
	35	Offshore of Ube	tr(6)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(7)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	42
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	tr(14)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(9)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	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 survey)

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 congeners.

[20-1] Monochlorinated naphthalenes/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	tr(2)
Median	tr(2)
Maximum	13
Minimum	nd

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

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 naphthalenes/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 31/47 (Missing value : 0)

Detection Frequency (sample) : 31/47 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.3

	Aggregated value
Geometric mean	tr(1.3)
Median	tr(1.3)
Maximum	25
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1.6)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(1.1)
Akita Pref.	4	Lake Hachiro	tr(1.0)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.4)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(1.3)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.1)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	5.8
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	5.3
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	7.0
	13	Mouth of Riv. Sumida (Minato Ward)	25
Yokohama City	14	Yokohama Port	7.7
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	8.5
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.7
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.1)
Nagano Pref.	20	Lake Suwa (center)	tr(1.4)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	2.8
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	14
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(1.8)
Osaka City	27	Osaka Port	tr(1.3)
Hyogo Pref.	28	Offshore of Himeji	tr(0.9)
Kobe City	29	Kobe Port (center)	tr(1.5)
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (Wakayama City)	tr(2.1)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(1.6)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	tr(1.7)
	35	Offshore of Ube	tr(1.0)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(1.4)
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	2.3
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	tr(2.0)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(2.2)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(1.7)
Okinawa Pref.	47	Naha Port	tr(2.0)

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

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 naphthalenes/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.7

Quantification limit : 1.7

	Aggregated value
Geometric mean	tr(1.5)
Median	tr(1.5)
Maximum	47
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.2
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	2.2
Akita Pref.	4	Lake Hachiro	tr(1.6)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.8)
Fukushima Pref.	6	Onahama Port	5.0
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(1.1)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.5)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	19
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	1.8
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	2.0
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	7.7
	13	Mouth of Riv. Sumida (Minato Ward)	22
Yokohama City	14	Yokohama Port	41
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	26
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.8
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	3.0
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.1)
Nagano Pref.	20	Lake Suwa (center)	tr(1.4)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.9)
Aichi Pref.	22	Nagoya Port	tr(1.5)
Mie Pref.	23	Yokkaichi Port	tr(0.7)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	47
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	27	Osaka Port	12
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(1.6)
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.8
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(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	tr(1.3)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	2.8
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(1.5)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	2.5

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

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 naphthalenes/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 33/47 (Missing value : 0)

Detection Frequency (sample) : 33/47 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.2

	Aggregated value
Geometric mean	2.0
Median	2.3
Maximum	77
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6.9
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.6)
Akita Pref.	4	Lake Hachiro	1.2
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.6)
Fukushima Pref.	6	Onahama Port	5.0
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3.2
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	5.0
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	47
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	8.5
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	5.4
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	11
	13	Mouth of Riv. Sumida (Minato Ward)	17
Yokohama City	14	Yokohama Port	26
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	24
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	7.2
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.2
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	6.5
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.1)
Nagano Pref.	20	Lake Suwa (center)	2.3
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.5
Aichi Pref.	22	Nagoya Port	1.8
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	77
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	43
Osaka City	27	Osaka Port	23
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	4.2
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	5.3
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(1.0)
	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	3.0
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)	3.4
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	1.7
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.3
Okinawa Pref.	47	Naha Port	4.1

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

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

[20-5] Pentachlorinated naphthalenes/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 21/47 (Missing value : 0)

Detection Frequency (sample) : 21/47 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	tr(0.8)
Median	nd
Maximum	38
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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)	tr(0.7)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.3)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	38
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	1.7
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.9
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	3.9
	13	Mouth of Riv. Sumida (Minato Ward)	3.0
Yokohama City	14	Yokohama Port	2.5
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	4.3
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.9)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	26
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	26
Osaka City	27	Osaka Port	9.0
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kinokawa-Onasin Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(1.2)
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(1.0)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	9.8
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.9)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.8)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(1.1)
Okinawa Pref.	47	Naha Port	2.0

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

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

[20-6] Hexachlorinated naphthalenes/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.9

Quantification limit : 2.3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	32
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	32
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(2.1)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.3
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (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	7.0
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	Shinkawa-bashi Bridge, 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 survey)

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 naphthalenes/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 5/47 (Missing value : 0)

Detection Frequency (sample) : 5/47 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.1

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	14
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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)	tr(0.6)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	14
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	tr(0.5)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(0.5)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	3.4
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	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2.0
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	2.0
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	tr(1.1)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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

[21] Hexachlorobuta-1,3-diene/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 70

Quantification limit : 180

	Aggregated value
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	Toyosawa-bashi Bridge, 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
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	nd
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : *1,900

Quantification limit : *4,800

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	15,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(2,100)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(2,100)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(2,200)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	15,000
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(4,100)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(3,900)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(2,300)
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(3,000)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(4,000)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(4,000)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(2,100)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1,900)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(2,200)
Osaka City	27	Osaka Port	nd
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kinokawa-Onasin 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	Shinkawa-bashi Bridge, 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 survey)

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 substance with the same number of carbons in the alkyl group.

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

Monitored year : 2021

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

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

Detection limit : 300

Quantification limit : 700

	Aggregated value
Geometric mean	tr(500)
Median	tr(500)
Maximum	1,100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	800
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(400)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	900
Akita Pref.	4	Lake Hachiro	tr(500)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(400)
Fukushima Pref.	6	Onahama Port	900
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	800
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(500)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(400)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	tr(400)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1,100
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	800
	13	Mouth of Riv. Sumida (Minato Ward)	700
Yokohama City	14	Yokohama Port	tr(500)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(500)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(500)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(300)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(500)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(400)
Nagano Pref.	20	Lake Suwa (center)	800
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(500)
Aichi Pref.	22	Nagoya Port	tr(500)
Mie Pref.	23	Yokkaichi Port	tr(400)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(400)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(600)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(600)
Osaka City	27	Osaka Port	tr(500)
Hyogo Pref.	28	Offshore of Himeji	tr(400)
Kobe City	29	Kobe Port (center)	tr(500)
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	tr(400)
Okayama Pref.	31	Offshore of Mizushima	900
Hiroshima Pref.	32	Kure Port	tr(500)
	33	Hiroshima Bay	tr(500)
Yamaguchi Pref.	34	Tokuyama Bay	tr(500)
	35	Offshore of Ube	tr(500)
	36	Offshore of Hagi	tr(500)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(400)
Kagawa Pref.	38	Takamatsu Port	tr(500)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(500)
Kitakyushu City	40	Dokai Bay	tr(400)
Saga Pref.	41	Imari Bay	tr(400)
Nagasaki Pref.	42	Omura Bay	tr(500)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

Detection Frequency (site) : 26/47 (Missing value : 0)

Detection Frequency (sample) : 26/47 (Missing value : 0)

Detection limit : 300

Quantification limit : 900

	Aggregated value
Geometric mean	tr(300)
Median	tr(300)
Maximum	1,200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(600)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(600)
Akita Pref.	4	Lake Hachiro	tr(400)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(600)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(600)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(300)
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	tr(600)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1,000
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,200
	13	Mouth of Riv. Sumida (Minato Ward)	tr(700)
Yokohama City	14	Yokohama Port	tr(300)
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	900
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(700)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	tr(400)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(600)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(300)
Nagano Pref.	20	Lake Suwa (center)	1,000
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(300)
Aichi Pref.	22	Nagoya Port	1,000
Mie Pref.	23	Yokkaichi Port	tr(300)
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	tr(300)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(700)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(800)
Osaka City	27	Osaka Port	tr(300)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onashi Bridge, Mouth of Riv. Kimokawa (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(400)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(300)
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	Shinkawa-bashi Bridge, 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 survey

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 500

Quantification limit : 1,200

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	4,900
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(700)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(600)
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(700)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4,900
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1100)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(700)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(600)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(1,100)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(900)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	tr(600)
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(600)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(800)
Osaka City	27	Osaka Port	tr(600)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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/surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 800

Quantification limit : 2,000

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	8,600
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, 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)	8,600
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(900)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(1,200)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(900)
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(1,000)
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(1,700)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	20	Lake Suwa (center)	tr(1,300)
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	22	Nagoya Port	nd
Mie Pref.	23	Yokkaichi Port	nd
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	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	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (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	Shinkawa-bashi Bridge, 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 survey)

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

[25] Perfluorohexane sulfonic acid (PFHxS) /surface water (pg/L)

Monitored year : 2021

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

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

Detection limit : 30

Quantification limit : 70

	Aggregated value
Geometric mean	160
Median	110
Maximum	2,300
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	100
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	70
Akita Pref.	4	Lake Hachiro	80
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	180
Fukushima Pref.	6	Onahama Port	70
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	810
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	590
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	330
Saitama Pref.	10	Akigase-shusuzeki Weir, Riv. Arakawa (Shiki City)	940
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	520
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	350
	13	Mouth of Riv. Sumida (Minato Ward)	1,200
Yokohama City	14	Yokohama Port	360
Kawasaki City	15	Front of Ougi Town, Keihin Canal, Port of Kawasaki	420
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	120
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	70
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2,300
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(60)
Nagano Pref.	20	Lake Suwa (center)	110
Shizuoka Pref.	21	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	80
Aichi Pref.	22	Nagoya Port	270
Mie Pref.	23	Yokkaichi Port	90
Shiga Pref.	24	Lake Biwa (center, offshore of Karasaki)	230
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	770
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	940
Osaka City	27	Osaka Port	850
Hyogo Pref.	28	Offshore of Himeji	70
Kobe City	29	Kobe Port (center)	210
Wakayama Pref.	30	Kimokawa-Onasin Bridge, Mouth of Riv. Kimokawa (Wakayama City)	110
Okayama Pref.	31	Offshore of Mizushima	90
Hiroshima Pref.	32	Kure Port	80
	33	Hiroshima Bay	100
Yamaguchi Pref.	34	Tokuyama Bay	tr(40)
	35	Offshore of Ube	tr(50)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	80
Kagawa Pref.	38	Takamatsu Port	100
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	110
Saga Pref.	41	Imari Bay	tr(40)
Nagasaki Pref.	42	Omura Bay	110
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	680
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	70
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	120
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	240
Okinawa Pref.	47	Naha Port	700

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

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 Polychlorinated biphenyls (Total PCBs)/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : *2.9

Quantification limit : *7.8

	Aggregated value
Geometric mean	4,900
Median	4,800
Maximum	450,000
Minimum	33

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1,100
	2	Tomakomai Port	6,400
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	120
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2,300
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	94
Akita Pref.	6	Lake Hachiro	2,200
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1,200
Fukushima Pref.	8	Onahama Port	25,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1,600
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	240
Chiba Pref.	11	Coast of Ichihara and Anegasaki	22,000
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	440
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	52,000
	14	Mouth of Riv. Sumida (Minato Ward)	220,000
Yokohama City	15	Yokohama Port	58,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	26,000
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	68,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	730
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	610
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	9,400
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,200
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	330
Nagano Pref.	23	Lake Suwa (center)	3,600
Shizuoka Pref.	24	Shimizu Port	11,000
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	220
Aichi Pref.	26	Kinoura Port	4,100
	27	Nagoya Port	59,000
Mie Pref.	28	Yokkaichi Port	18,000
	29	Toba Port	59,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	3,400
	31	Lake Biwa (center, offshore of Karasaki)	7,900
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7,300
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	36,000
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	35,000
	33	Mouth of Riv. Yodo (Osaka City)	65,000
	36	Osaka Port	450,000
	37	Outside Osaka Port	120,000
Hyogo Pref.	38	Offshore of Himeji	8,900
Kobe City	39	Kobe Port (center)	180,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	530
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	7,100
Okayama Pref.	42	Offshore of Mizushima	1,700
Hiroshima Pref.	43	Kure Port	44,000
	44	Hiroshima Bay	12,000
Yamaguchi Pref.	45	Tokuyama Bay	2,600
	46	Offshore of Ube	3,300
	47	Offshore of Hagi	850
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1,100
Kagawa Pref.	49	Takamatsu Port	40,000
Ehime Pref.	50	Niihama Port	5,200
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	610
Kitakyushu City	52	Dokai Bay	290,000
Fukuoka City	53	Hakata Bay	5,800
Saga Pref.	54	Imari Bay	4,100
Nagasaki Pref.	55	Omura Bay	4,500
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2,000
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	47
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	33
	59	Riv. Gotanda (Ichikikushikino City)	55
Okinawa Pref.	60	Naha Port	81,000

(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 congeners.

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

Monitored year : 2021

Detection Frequency (site) : 57/60 (Missing value : 0)

Detection Frequency (sample) : 57/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	19
Median	28
Maximum	1,300
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.8
	2	Tomakomai Port	40
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	0.5
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	40
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	11
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	2.1
Fukushima Pref.	8	Onahama Port	320
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	12
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.2)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	60
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.6
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	170
	14	Mouth of Riv. Sumida (Minato Ward)	610
Yokohama City	15	Yokohama Port	300
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	34
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	280
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	4.7
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	99
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	11
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.9
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	2.8
Nagano Pref.	23	Lake Suwa (center)	21
Shizuoka Pref.	24	Shimizu Port	55
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	0.6
Aichi Pref.	26	Kinoura Port	26
	27	Nagoya Port	260
Mie Pref.	28	Yokkaichi Port	63
	29	Toba Port	42
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	16
	31	Lake Biwa (center, offshore of Karasaki)	25
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	36
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	64
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	79
	33	Mouth of Riv. Yodo (Osaka City)	120
	36	Osaka Port	1,300
	37	Outside Osaka Port	560
Hyogo Pref.	38	Offshore of Himeji	79
Kobe City	39	Kobe Port (center)	180
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.7
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	160
Okayama Pref.	42	Offshore of Mizushima	24
Hiroshima Pref.	43	Kure Port	44
	44	Hiroshima Bay	43
Yamaguchi Pref.	45	Tokuyama Bay	23
	46	Offshore of Ube	24
	47	Offshore of Hagi	5.4
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	5.7
Kagawa Pref.	49	Takamatsu Port	92
Ehime Pref.	50	Niihama Port	5.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	3.9
Kitakyushu City	52	Dokai Bay	650
Fukuoka City	53	Hakata Bay	35
Saga Pref.	54	Imari Bay	26
Nagasaki Pref.	55	Omura Bay	31
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	12
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	0.5
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	240

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 58/60 (Missing value : 0)

Detection Frequency (sample) : 58/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	180
Median	250
Maximum	15,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	49
	2	Tomakomai Port	990
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	250
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2.5
Akita Pref.	6	Lake Hachiro	37
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	22
Fukushima Pref.	8	Onahama Port	3,100
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	75
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	13
Chiba Pref.	11	Coast of Ichihara and Anegasaki	630
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	18
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	2,200
	14	Mouth of Riv. Sumida (Minato Ward)	6,900
Yokohama City	15	Yokohama Port	1,500
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	670
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,500
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	35
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	17
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	300
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	27
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	19
Nagano Pref.	23	Lake Suwa (center)	79
Shizuoka Pref.	24	Shimizu Port	840
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	4.3
Aichi Pref.	26	Kinoura Port	240
	27	Nagoya Port	4,100
Mie Pref.	28	Yokkaichi Port	900
	29	Toba Port	250
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	80
	31	Lake Biwa (center, offshore of Karasaki)	260
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	610
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	2,200
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,200
	33	Mouth of Riv. Yodo (Osaka City)	2,300
	36	Osaka Port	15,000
	37	Outside Osaka Port	6,700
Hyogo Pref.	38	Offshore of Himeji	720
Kobe City	39	Kobe Port (center)	2,400
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	28
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,200
Okayama Pref.	42	Offshore of Mizushima	190
Hiroshima Pref.	43	Kure Port	550
	44	Hiroshima Bay	530
Yamaguchi Pref.	45	Tokuyama Bay	120
	46	Offshore of Ube	190
	47	Offshore of Hagi	33
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	47
Kagawa Pref.	49	Takamatsu Port	1,800
Ehime Pref.	50	Niihama Port	49
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	28
Kitakyushu City	52	Dokai Bay	7,900
Fukuoka City	53	Hakata Bay	370
Saga Pref.	54	Imari Bay	230
Nagasaki Pref.	55	Omura Bay	280
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	220
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	4.6
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	2.6
Okinawa Pref.	60	Naha Port	2,100

(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) nd : Not detected

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	640
Median	750
Maximum	98,000
Minimum	2.0

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	140
	2	Tomakomai Port	860
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3.1
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	270
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	14
Akita Pref.	6	Lake Hachiro	120
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	81
Fukushima Pref.	8	Onahama Port	6,800
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	260
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	64
Chiba Pref.	11	Coast of Ichihara and Anegasaki	3,400
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	95
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	13,000
	14	Mouth of Riv. Sumida (Minato Ward)	45,000
Yokohama City	15	Yokohama Port	6,600
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	4,700
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	8,800
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	120
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	84
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	2,300
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	220
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	32
Nagano Pref.	23	Lake Suwa (center)	340
Shizuoka Pref.	24	Shimizu Port	3,100
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	24
Aichi Pref.	26	Kinoura Port	710
	27	Nagoya Port	18,000
Mie Pref.	28	Yokkaichi Port	4,200
	29	Toba Port	860
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	300
	31	Lake Biwa (center, offshore of Karasaki)	920
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,800
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	3,500
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	5,700
	33	Mouth of Riv. Yodo (Osaka City)	13,000
	36	Osaka Port	98,000
	37	Outside Osaka Port	26,000
Hyogo Pref.	38	Offshore of Himeji	2,000
Kobe City	39	Kobe Port (center)	9,900
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	57
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	790
Okayama Pref.	42	Offshore of Mizushima	310
Hiroshima Pref.	43	Kure Port	2,200
	44	Hiroshima Bay	1,300
Yamaguchi Pref.	45	Tokuyama Bay	250
	46	Offshore of Ube	480
	47	Offshore of Hagi	79
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	150
Kagawa Pref.	49	Takamatsu Port	12,000
Ehime Pref.	50	Niihama Port	98
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	63
Kitakyushu City	52	Dokai Bay	59,000
Fukuoka City	53	Hakata Bay	1,100
Saga Pref.	54	Imari Bay	600
Nagasaki Pref.	55	Omura Bay	640
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	820
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	7.4
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	2.0
	59	Riv. Gotanda (Ichikikushikino City)	3.6
Okinawa Pref.	60	Naha Port	5,600

(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.

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	1,100
Median	980
Maximum	150,000
Minimum	7.6

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	190
	2	Tomakomai Port	1,500
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	25
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	410
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	14
Akita Pref.	6	Lake Hachiro	320
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	220
Fukushima Pref.	8	Onahama Port	7,100
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	460
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	77
Chiba Pref.	11	Coast of Ichihara and Anegasaki	6,600
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	130
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	20,000
	14	Mouth of Riv. Sumida (Minato Ward)	94,000
Yokohama City	15	Yokohama Port	13,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	10,000
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	17,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	180
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	160
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	3,500
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	670
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	58
Nagano Pref.	23	Lake Suwa (center)	770
Shizuoka Pref.	24	Shimizu Port	3,400
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	41
Aichi Pref.	26	Kinoura Port	1,100
	27	Nagoya Port	21,000
Mie Pref.	28	Yokkaichi Port	5,100
	29	Toba Port	2,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	700
	31	Lake Biwa (center, offshore of Karasaki)	1,400
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,800
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	5,200
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8,700
	33	Mouth of Riv. Yodo (Osaka City)	19,000
	36	Osaka Port	150,000
	37	Outside Osaka Port	36,000
Hyogo Pref.	38	Offshore of Himeji	2,100
Kobe City	39	Kobe Port (center)	18,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	110
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,300
Okayama Pref.	42	Offshore of Mizushima	310
Hiroshima Pref.	43	Kure Port	5,200
	44	Hiroshima Bay	1,900
Yamaguchi Pref.	45	Tokuyama Bay	330
	46	Offshore of Ube	800
	47	Offshore of Hagi	120
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	240
Kagawa Pref.	49	Takamatsu Port	14,000
Ehime Pref.	50	Niihama Port	110
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	97
Kitakyushu City	52	Dokai Bay	120,000
Fukuoka City	53	Hakata Bay	1,600
Saga Pref.	54	Imari Bay	710
Nagasaki Pref.	55	Omura Bay	860
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	660
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	7.6
	59	Riv. Gotanda (Ichikikushikino City)	10
Okinawa Pref.	60	Naha Port	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.

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

Monitored year : 2021

Detection Frequency (site) : 58/60 (Missing value : 0)

Detection Frequency (sample) : 58/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	22
Median	24
Maximum	3,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.2
	2	Tomakomai Port	24
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.3)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	10
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.4)
Akita Pref.	6	Lake Hachiro	13
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	4.2
Fukushima Pref.	8	Onahama Port	140
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.1
Chiba Pref.	11	Coast of Ichihara and Anegasaki	140
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.7
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	680
	14	Mouth of Riv. Sumida (Minato Ward)	2,200
Yokohama City	15	Yokohama Port	190
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	75
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	260
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	4.2
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.8
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	54
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.3
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.7
Nagano Pref.	23	Lake Suwa (center)	28
Shizuoka Pref.	24	Shimizu Port	81
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	0.9
Aichi Pref.	26	Kinuura Port	22
	27	Nagoya Port	200
Mie Pref.	28	Yokkaichi Port	79
	29	Toba Port	38
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	23
	31	Lake Biwa (center, offshore of Karasaki)	64
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	33
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	110
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	210
	33	Mouth of Riv. Yodo (Osaka City)	360
	36	Osaka Port	3,000
	37	Outside Osaka Port	600
Hyogo Pref.	38	Offshore of Himeji	170
Kobe City	39	Kobe Port (center)	310
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.5
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	250
Okayama Pref.	42	Offshore of Mizushima	8.2
Hiroshima Pref.	43	Kure Port	69
	44	Hiroshima Bay	31
Yamaguchi Pref.	45	Tokuyama Bay	9.4
	46	Offshore of Ube	14
	47	Offshore of Hagi	3.0
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	5.2
Kagawa Pref.	49	Takamatsu Port	280
Ehime Pref.	50	Niihama Port	2.7
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	2.9
Kitakyushu City	52	Dokai Bay	1,700
Fukuoka City	53	Hakata Bay	33
Saga Pref.	54	Imari Bay	17
Nagasaki Pref.	55	Omura Bay	21
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	7.9
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	0.8
Okinawa Pref.	60	Naha Port	85

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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) /sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 51/60 (Missing value : 0)

Detection Frequency (sample) : 51/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	2.1
Median	2.2
Maximum	170
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.6)
	2	Tomakomai Port	2.5
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	0.9
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.5)
Fukushima Pref.	8	Onahama Port	10
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.7)
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	7.3
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	15
	14	Mouth of Riv. Sumida (Minato Ward)	74
Yokohama City	15	Yokohama Port	16
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	8.6
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	25
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.3)
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	3.9
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.3)
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.3)
Nagano Pref.	23	Lake Suwa (center)	2.2
Shizuoka Pref.	24	Shimizu Port	5.2
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	1.3
	27	Nagoya Port	17
Mie Pref.	28	Yokkaichi Port	5.7
	29	Toba Port	4.6
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	2.7
	31	Lake Biwa (center, offshore of Karasaki)	5.8
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3.0
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	12
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
	33	Mouth of Riv. Yodo (Osaka City)	29
	36	Osaka Port	170
	37	Outside Osaka Port	42
Hyogo Pref.	38	Offshore of Himeji	4.0
Kobe City	39	Kobe Port (center)	38
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.5)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.2
Okayama Pref.	42	Offshore of Mizushima	tr(0.6)
Hiroshima Pref.	43	Kure Port	9.8
	44	Hiroshima Bay	3.4
Yamaguchi Pref.	45	Tokuyama Bay	0.8
	46	Offshore of Ube	1.3
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(0.7)
Kagawa Pref.	49	Takamatsu Port	19
Ehime Pref.	50	Niihama Port	tr(0.4)
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(0.3)
Kitakyushu City	52	Dokai Bay	120
Fukuoka City	53	Hakata Bay	2.2
Saga Pref.	54	Imari Bay	1.3
Nagasaki Pref.	55	Omura Bay	1.4
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.5)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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.

(Note 4) nd : Not detected

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	1,000
Median	1,100
Maximum	97,000
Minimum	12

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	380
	2	Tomakomai Port	1,100
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	56
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	440
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	21
Akita Pref.	6	Lake Hachiro	860
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	490
Fukushima Pref.	8	Onahama Port	3,600
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	390
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	43
Chiba Pref.	11	Coast of Ichihara and Anegasaki	5,200
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	97
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	10,000
	14	Mouth of Riv. Sumida (Minato Ward)	49,000
Yokohama City	15	Yokohama Port	13,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	6,400
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	18,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	210
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	130
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	1,900
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	200
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	110
Nagano Pref.	23	Lake Suwa (center)	1,100
Shizuoka Pref.	24	Shimizu Port	1,500
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	64
Aichi Pref.	26	Kinuura Port	880
	27	Nagoya Port	9,100
Mie Pref.	28	Yokkaichi Port	3,700
	29	Toba Port	4,700
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	1,100
	31	Lake Biwa (center, offshore of Karasaki)	2,400
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,900
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	6,100
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	9,800
	33	Mouth of Riv. Yodo (Osaka City)	17,000
	36	Osaka Port	97,000
	37	Outside Osaka Port	27,000
Hyogo Pref.	38	Offshore of Himeji	1,600
Kobe City	39	Kobe Port (center)	26,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	160
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.	42	Offshore of Mizushima	220
Hiroshima Pref.	43	Kure Port	8,800
	44	Hiroshima Bay	2,400
Yamaguchi Pref.	45	Tokuyama Bay	370
	46	Offshore of Ube	600
	47	Offshore of Hagi	140
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	290
Kagawa Pref.	49	Takamatsu Port	6,500
Ehime Pref.	50	Niihama Port	250
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	140
Kitakyushu City	52	Dokai Bay	60,000
Fukuoka City	53	Hakata Bay	1,200
Saga Pref.	54	Imari Bay	710
Nagasaki Pref.	55	Omura Bay	890
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	150
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	12
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	14
	59	Riv. Gotanda (Ichikikushikino City)	20
Okinawa Pref.	60	Naha Port	13,000

(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) /sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	64
Median	72
Maximum	6,000
Minimum	1.2

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	25
	2	Tomakomai Port	78
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	31
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.7
Akita Pref.	6	Lake Hachiro	56
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	35
Fukushima Pref.	8	Onahama Port	290
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	29
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	3.5
Chiba Pref.	11	Coast of Ichihara and Anegasaki	330
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	7.8
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	450
	14	Mouth of Riv. Sumida (Minato Ward)	2,400
Yokohama City	15	Yokohama Port	840
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	310
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,300
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	14
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	9.9
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	120
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.6
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	8.3
Nagano Pref.	23	Lake Suwa (center)	65
Shizuoka Pref.	24	Shimizu Port	130
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.4
Aichi Pref.	26	Kinoura Port	60
	27	Nagoya Port	420
Mie Pref.	28	Yokkaichi Port	210
	29	Toba Port	140
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	78
	31	Lake Biwa (center, offshore of Karasaki)	190
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	100
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	400
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	670
	33	Mouth of Riv. Yodo (Osaka City)	940
	36	Osaka Port	6,000
	37	Outside Osaka Port	1,200
Hyogo Pref.	38	Offshore of Himeji	96
Kobe City	39	Kobe Port (center)	1,100
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	12
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	110
Okayama Pref.	42	Offshore of Mizushima	12
Hiroshima Pref.	43	Kure Port	260
	44	Hiroshima Bay	98
Yamaguchi Pref.	45	Tokuyama Bay	16
	46	Offshore of Ube	39
	47	Offshore of Hagi	8.2
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	22
Kagawa Pref.	49	Takamatsu Port	560
Ehime Pref.	50	Niihama Port	5.1
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	13
Kitakyushu City	52	Dokai Bay	4,900
Fukuoka City	53	Hakata Bay	100
Saga Pref.	54	Imari Bay	56
Nagasaki Pref.	55	Omura Bay	53
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	8.2
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	1.2
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.3
	59	Riv. Gotanda (Ichikikushikino City)	1.6
Okinawa Pref.	60	Naha Port	430

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

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

Monitored year : 2021

Detection Frequency (site) : 51/60 (Missing value : 0)

Detection Frequency (sample) : 51/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	2.9
Median	3.6
Maximum	420
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.3
	2	Tomakomai Port	6.7
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.4
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	3.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	2.0
Fukushima Pref.	8	Onahama Port	18
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1.5
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	9.3
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	0.4
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	26
	14	Mouth of Riv. Sumida (Minato Ward)	160
Yokohama City	15	Yokohama Port	37
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	18
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	70
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	0.7
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	0.6
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	7.7
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.5
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.5
Nagano Pref.	23	Lake Suwa (center)	3.0
Shizuoka Pref.	24	Shimizu Port	6.2
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	1.8
	27	Nagoya Port	21
Mie Pref.	28	Yokkaichi Port	12
	29	Toba Port	8.3
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	5.0
	31	Lake Biwa (center, offshore of Karasaki)	11
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.1
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	26
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	38
	33	Mouth of Riv. Yodo (Osaka City)	55
	36	Osaka Port	420
	37	Outside Osaka Port	76
Hyogo Pref.	38	Offshore of Himeji	4.0
Kobe City	39	Kobe Port (center)	52
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.7
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	6.9
Okayama Pref.	42	Offshore of Mizushima	0.5
Hiroshima Pref.	43	Kure Port	11
	44	Hiroshima Bay	4.2
Yamaguchi Pref.	45	Tokuyama Bay	0.6
	46	Offshore of Ube	2.0
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.1
Kagawa Pref.	49	Takamatsu Port	36
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.6
Kitakyushu City	52	Dokai Bay	370
Fukuoka City	53	Hakata Bay	4.9
Saga Pref.	54	Imari Bay	2.9
Nagasaki Pref.	55	Omura Bay	2.2
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	0.5
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	29

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	170
Median	170
Maximum	15,000
Minimum	2.8

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	60
	2	Tomakomai Port	170
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	10
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	97
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.3
Akita Pref.	6	Lake Hachiro	160
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	83
Fukushima Pref.	8	Onahama Port	610
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	71
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	7.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	940
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	17
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	1,600
	14	Mouth of Riv. Sumida (Minato Ward)	7,400
Yokohama City	15	Yokohama Port	2,300
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	1,100
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	3,700
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	33
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	22
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	310
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	8.7
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	19
Nagano Pref.	23	Lake Suwa (center)	150
Shizuoka Pref.	24	Shimizu Port	260
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	12
Aichi Pref.	26	Kinoura Port	170
	27	Nagoya Port	1,300
Mie Pref.	28	Yokkaichi Port	710
	29	Toba Port	480
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	190
	31	Lake Biwa (center, offshore of Karasaki)	410
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	320
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	890
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,800
	33	Mouth of Riv. Yodo (Osaka City)	2,600
	36	Osaka Port	15,000
	37	Outside Osaka Port	4,100
Hyogo Pref.	38	Offshore of Himeji	300
Kobe City	39	Kobe Port (center)	4,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	27
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	270
Okayama Pref.	42	Offshore of Mizushima	39
Hiroshima Pref.	43	Kure Port	1,100
	44	Hiroshima Bay	360
Yamaguchi Pref.	45	Tokuyama Bay	57
	46	Offshore of Ube	98
	47	Offshore of Hagi	24
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	52
Kagawa Pref.	49	Takamatsu Port	1,200
Ehime Pref.	50	Niihama Port	24
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	28
Kitakyushu City	52	Dokai Bay	9,600
Fukuoka City	53	Hakata Bay	250
Saga Pref.	54	Imari Bay	130
Nagasaki Pref.	55	Omura Bay	170
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	25
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	2.8
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	2.8
	59	Riv. Gotanda (Ichikikushikino City)	3.0
Okinawa Pref.	60	Naha Port	1,500

(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.

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

Monitored year : 2021

Detection Frequency (site) : 50/60 (Missing value : 0)

Detection Frequency (sample) : 50/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	2.9
Median	3.7
Maximum	320
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.8
	2	Tomakomai Port	4.2
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.0
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.7
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	15
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1.6
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	14
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	27
	14	Mouth of Riv. Sumida (Minato Ward)	140
Yokohama City	15	Yokohama Port	41
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	17
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	62
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	0.7
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	0.6
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	6.4
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.4
Nagano Pref.	23	Lake Suwa (center)	3.2
Shizuoka Pref.	24	Shimizu Port	6.7
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	2.7
	27	Nagoya Port	27
Mie Pref.	28	Yokkaichi Port	13
	29	Toba Port	7.2
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	4.5
	31	Lake Biwa (center, offshore of Karasaki)	9.8
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.8
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	17
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	38
	33	Mouth of Riv. Yodo (Osaka City)	52
	36	Osaka Port	320
	37	Outside Osaka Port	75
Hyogo Pref.	38	Offshore of Himeji	5.6
Kobe City	39	Kobe Port (center)	55
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.7
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	6.0
Okayama Pref.	42	Offshore of Mizushima	0.7
Hiroshima Pref.	43	Kure Port	17
	44	Hiroshima Bay	7.2
Yamaguchi Pref.	45	Tokuyama Bay	1.1
	46	Offshore of Ube	2.3
	47	Offshore of Hagi	0.6
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.3
Kagawa Pref.	49	Takamatsu Port	28
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.7
Kitakyushu City	52	Dokai Bay	260
Fukuoka City	53	Hakata Bay	6.5
Saga Pref.	54	Imari Bay	3.1
Nagasaki Pref.	55	Omura Bay	3.2
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	0.5
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	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

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

Monitored year : 2021

Detection Frequency (site) : 45/60 (Missing value : 0)

Detection Frequency (sample) : 45/60 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	1.7
Median	3.6
Maximum	81
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	4.7
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.4
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	0.7
Fukushima Pref.	8	Onahama Port	17
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1.8
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	11
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	0.9
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	30
	14	Mouth of Riv. Sumida (Minato Ward)	45
Yokohama City	15	Yokohama Port	15
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	7.6
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	20
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	0.6
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	3.9
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.4
Nagano Pref.	23	Lake Suwa (center)	4.1
Shizuoka Pref.	24	Shimizu Port	3.2
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinuura Port	2.1
	27	Nagoya Port	8.6
Mie Pref.	28	Yokkaichi Port	5.6
	29	Toba Port	6.2
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	7.2
	31	Lake Biwa (center, offshore of Karasaki)	8.5
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.2
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	25
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
	33	Mouth of Riv. Yodo (Osaka City)	22
	36	Osaka Port	81
	37	Outside Osaka Port	16
Hyogo Pref.	38	Offshore of Himeji	5.2
Kobe City	39	Kobe Port (center)	21
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.0
Okayama Pref.	42	Offshore of Mizushima	nd
Hiroshima Pref.	43	Kure Port	4.7
	44	Hiroshima Bay	5.8
Yamaguchi Pref.	45	Tokuyama Bay	7.3
	46	Offshore of Ube	4.1
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.2
Kagawa Pref.	49	Takamatsu Port	12
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.7
Kitakyushu City	52	Dokai Bay	59
Fukuoka City	53	Hakata Bay	2.7
Saga Pref.	54	Imari Bay	2.5
Nagasaki Pref.	55	Omura Bay	2.1
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	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

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	920
Median	970
Maximum	64,000
Minimum	7.7

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	280
	2	Tomakomai Port	940
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	31
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	500
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	27
Akita Pref.	6	Lake Hachiro	620
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	330
Fukushima Pref.	8	Onahama Port	2,600
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	270
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	31
Chiba Pref.	11	Coast of Ichihara and Anegasaki	4,000
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	73
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	5,200
	14	Mouth of Riv. Sumida (Minato Ward)	21,000
Yokohama City	15	Yokohama Port	13,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	3,700
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	15,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	140
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	84
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	990
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	35
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	86
Nagano Pref.	23	Lake Suwa (center)	910
Shizuoka Pref.	24	Shimizu Port	1,400
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	58
Aichi Pref.	26	Kinoura Port	790
	27	Nagoya Port	4,700
Mie Pref.	28	Yokkaichi Port	2,800
	29	Toba Port	21,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	850
	31	Lake Biwa (center, offshore of Karasaki)	2,400
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,000
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	9,500
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7,800
	33	Mouth of Riv. Yodo (Osaka City)	11,000
	36	Osaka Port	64,000
	37	Outside Osaka Port	19,000
Hyogo Pref.	38	Offshore of Himeji	1,600
Kobe City	39	Kobe Port (center)	55,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	130
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,400
Okayama Pref.	42	Offshore of Mizushima	340
Hiroshima Pref.	43	Kure Port	14,000
	44	Hiroshima Bay	3,400
Yamaguchi Pref.	45	Tokuyama Bay	760
	46	Offshore of Ube	670
	47	Offshore of Hagi	240
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	290
Kagawa Pref.	49	Takamatsu Port	4,200
Ehime Pref.	50	Niihama Port	1,700
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	160
Kitakyushu City	52	Dokai Bay	22,000
Fukuoka City	53	Hakata Bay	950
Saga Pref.	54	Imari Bay	1,000
Nagasaki Pref.	55	Omura Bay	1,100
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	80
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	9.5
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	7.7
	59	Riv. Gotanda (Ichikikushikino City)	15
Okinawa Pref.	60	Naha Port	26,000

(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) /sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	23
Median	24
Maximum	1,600
Minimum	tr(0.4)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	9.6
	2	Tomakomai Port	19
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.1
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	9.8
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.7)
Akita Pref.	6	Lake Hachiro	20
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	11
Fukushima Pref.	8	Onahama Port	75
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	9.0
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.9
Chiba Pref.	11	Coast of Ichihara and Anegasaki	64
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.4
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	130
	14	Mouth of Riv. Sumida (Minato Ward)	580
Yokohama City	15	Yokohama Port	270
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	110
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	420
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	4.3
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.5
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	30
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.9
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	3.0
Nagano Pref.	23	Lake Suwa (center)	24
Shizuoka Pref.	24	Shimizu Port	33
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.9
Aichi Pref.	26	Kinoura Port	13
	27	Nagoya Port	91
Mie Pref.	28	Yokkaichi Port	69
	29	Toba Port	230
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	28
	31	Lake Biwa (center, offshore of Karasaki)	78
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	34
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	170
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	33	Mouth of Riv. Yodo (Osaka City)	340
	36	Osaka Port	1,600
	37	Outside Osaka Port	430
Hyogo Pref.	38	Offshore of Himeji	38
Kobe City	39	Kobe Port (center)	810
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.5
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	42
Okayama Pref.	42	Offshore of Mizushima	4.9
Hiroshima Pref.	43	Kure Port	160
	44	Hiroshima Bay	46
Yamaguchi Pref.	45	Tokuyama Bay	8.0
	46	Offshore of Ube	11
	47	Offshore of Hagi	4.2
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	7.3
Kagawa Pref.	49	Takamatsu Port	140
Ehime Pref.	50	Niihama Port	30
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	4.3
Kitakyushu City	52	Dokai Bay	610
Fukuoka City	53	Hakata Bay	23
Saga Pref.	54	Imari Bay	21
Nagasaki Pref.	55	Omura Bay	19
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2.5
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.4)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(0.4)
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	60	Naha Port	340

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 53/60 (Missing value : 0)

Detection Frequency (sample) : 53/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	5.5
Median	5.5
Maximum	350
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.2
	2	Tomakomai Port	4.1
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	3.1
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	5.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	2.9
Fukushima Pref.	8	Onahama Port	17
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	2.7
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	20
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(0.7)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	32
	14	Mouth of Riv. Sumida (Minato Ward)	140
Yokohama City	15	Yokohama Port	63
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	29
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	100
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	1.3
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.7)
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	8.1
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.9
Nagano Pref.	23	Lake Suwa (center)	6.5
Shizuoka Pref.	24	Shimizu Port	7.7
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.6)
Aichi Pref.	26	Kinoura Port	4.7
	27	Nagoya Port	24
Mie Pref.	28	Yokkaichi Port	18
	29	Toba Port	27
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	7.1
	31	Lake Biwa (center, offshore of Karasaki)	18
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	8.7
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	35
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	69
	33	Mouth of Riv. Yodo (Osaka City)	83
	36	Osaka Port	350
	37	Outside Osaka Port	120
Hyogo Pref.	38	Offshore of Himeji	11
Kobe City	39	Kobe Port (center)	150
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.3
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	10
Okayama Pref.	42	Offshore of Mizushima	1.3
Hiroshima Pref.	43	Kure Port	37
	44	Hiroshima Bay	13
Yamaguchi Pref.	45	Tokuyama Bay	1.8
	46	Offshore of Ube	2.6
	47	Offshore of Hagi	1.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	2.0
Kagawa Pref.	49	Takamatsu Port	34
Ehime Pref.	50	Niihama Port	1.4
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.2
Kitakyushu City	52	Dokai Bay	140
Fukuoka City	53	Hakata Bay	5.9
Saga Pref.	54	Imari Bay	4.5
Nagasaki Pref.	55	Omura Bay	4.6
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.6)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	65

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 56/60 (Missing value : 0)

Detection Frequency (sample) : 56/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	11
Median	12
Maximum	710
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.4
	2	Tomakomai Port	8.7
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.5)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	6.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.3)
Akita Pref.	6	Lake Hachiro	8.7
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	4.9
Fukushima Pref.	8	Onahama Port	33
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	4.2
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.5)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	44
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.0
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	58
	14	Mouth of Riv. Sumida (Minato Ward)	240
Yokohama City	15	Yokohama Port	150
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	51
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	200
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	1.8
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.2
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	13
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.3
Nagano Pref.	23	Lake Suwa (center)	10
Shizuoka Pref.	24	Shimizu Port	16
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	0.9
Aichi Pref.	26	Kinoura Port	8.8
	27	Nagoya Port	55
Mie Pref.	28	Yokkaichi Port	33
	29	Toba Port	150
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	12
	31	Lake Biwa (center, offshore of Karasaki)	26
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	15
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	89
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	120
	33	Mouth of Riv. Yodo (Osaka City)	150
	36	Osaka Port	710
	37	Outside Osaka Port	190
Hyogo Pref.	38	Offshore of Himeji	20
Kobe City	39	Kobe Port (center)	480
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.9
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	19
Okayama Pref.	42	Offshore of Mizushima	3.4
Hiroshima Pref.	43	Kure Port	110
	44	Hiroshima Bay	31
Yamaguchi Pref.	45	Tokuyama Bay	6.3
	46	Offshore of Ube	6.5
	47	Offshore of Hagi	2.6
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	4.0
Kagawa Pref.	49	Takamatsu Port	59
Ehime Pref.	50	Niihama Port	16
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	2.1
Kitakyushu City	52	Dokai Bay	250
Fukuoka City	53	Hakata Bay	12
Saga Pref.	54	Imari Bay	11
Nagasaki Pref.	55	Omura Bay	11
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	1.1
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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 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

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

Monitored year : 2021

Detection Frequency (site) : 37/60 (Missing value : 0)

Detection Frequency (sample) : 37/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	0.9
Median	0.8
Maximum	32
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	0.9
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(0.7)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	3.0
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	3.3
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	3.5
	14	Mouth of Riv. Sumida (Minato Ward)	14
Yokohama City	15	Yokohama Port	15
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	1.6
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	11
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	0.8
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	1.7
Shizuoka Pref.	24	Shimizu Port	0.9
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	tr(0.7)
	27	Nagoya Port	nd
Mie Pref.	28	Yokkaichi Port	1.6
	29	Toba Port	15
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	1.7
	31	Lake Biwa (center, offshore of Karasaki)	1.7
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	8.9
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	3.7
	33	Mouth of Riv. Yodo (Osaka City)	2.9
	36	Osaka Port	16
	37	Outside Osaka Port	6.9
Hyogo Pref.	38	Offshore of Himeji	1.4
Kobe City	39	Kobe Port (center)	32
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.2
Okayama Pref.	42	Offshore of Mizushima	nd
Hiroshima Pref.	43	Kure Port	9.8
	44	Hiroshima Bay	2.1
Yamaguchi Pref.	45	Tokuyama Bay	0.9
	46	Offshore of Ube	tr(0.6)
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(0.5)
Kagawa Pref.	49	Takamatsu Port	2.9
Ehime Pref.	50	Niihama Port	2.6
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	11
Fukuoka City	53	Hakata Bay	tr(0.7)
Saga Pref.	54	Imari Bay	1.2
Nagasaki Pref.	55	Omura Bay	0.8
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	350
Median	420
Maximum	51,000
Minimum	tr(1.4)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	52
	2	Tomakomai Port	750
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	7.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	270
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	14
Akita Pref.	6	Lake Hachiro	150
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	59
Fukushima Pref.	8	Onahama Port	1,300
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	70
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	7.3
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,600
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	20
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	1,200
	14	Mouth of Riv. Sumida (Minato Ward)	5,900
Yokohama City	15	Yokohama Port	7,800
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	740
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	5,900
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	35
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	25
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	310
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.7
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	16
Nagano Pref.	23	Lake Suwa (center)	280
Shizuoka Pref.	24	Shimizu Port	800
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	25
Aichi Pref.	26	Kinoura Port	320
	27	Nagoya Port	1,800
Mie Pref.	28	Yokkaichi Port	1,300
	29	Toba Port	24,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	230
	31	Lake Biwa (center, offshore of Karasaki)	410
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	170
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	7,600
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,800
	33	Mouth of Riv. Yodo (Osaka City)	2,600
	36	Osaka Port	22,000
	37	Outside Osaka Port	7,300
Hyogo Pref.	38	Offshore of Himeji	620
Kobe City	39	Kobe Port (center)	51,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	38
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	620
Okayama Pref.	42	Offshore of Mizushima	210
Hiroshima Pref.	43	Kure Port	10,000
	44	Hiroshima Bay	1,800
Yamaguchi Pref.	45	Tokuyama Bay	600
	46	Offshore of Ube	410
	47	Offshore of Hagi	180
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	100
Kagawa Pref.	49	Takamatsu Port	1,300
Ehime Pref.	50	Niihama Port	2,300
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	87
Kitakyushu City	52	Dokai Bay	11,000
Fukuoka City	53	Hakata Bay	430
Saga Pref.	54	Imari Bay	690
Nagasaki Pref.	55	Omura Bay	540
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	24
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	1.8
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(1.4)
	59	Riv. Gotanda (Ichikikushikino City)	3.9
Okinawa Pref.	60	Naha Port	18,000

(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.

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

Monitored year : 2021

Detection Frequency (site) : 58/60 (Missing value : 0)

Detection Frequency (sample) : 58/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	43
Median	50
Maximum	5,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	7.8
	2	Tomakomai Port	72
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.0)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	28
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.5
Akita Pref.	6	Lake Hachiro	22
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	9.3
Fukushima Pref.	8	Onahama Port	140
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	9.9
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.2)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	160
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	3.0
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	140
	14	Mouth of Riv. Sumida (Minato Ward)	750
Yokohama City	15	Yokohama Port	840
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	110
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	680
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	4.8
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.5
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	36
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.1)
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	2.7
Nagano Pref.	23	Lake Suwa (center)	36
Shizuoka Pref.	24	Shimizu Port	89
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	3.5
Aichi Pref.	26	Kinoura Port	33
	27	Nagoya Port	200
Mie Pref.	28	Yokkaichi Port	150
	29	Toba Port	2,500
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	33
	31	Lake Biwa (center, offshore of Karasaki)	65
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	29
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	710
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	33	Mouth of Riv. Yodo (Osaka City)	350
	36	Osaka Port	2,500
	37	Outside Osaka Port	920
Hyogo Pref.	38	Offshore of Himeji	65
Kobe City	39	Kobe Port (center)	5,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	5.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	74
Okayama Pref.	42	Offshore of Mizushima	17
Hiroshima Pref.	43	Kure Port	970
	44	Hiroshima Bay	160
Yamaguchi Pref.	45	Tokuyama Bay	51
	46	Offshore of Ube	39
	47	Offshore of Hagi	18
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	11
Kagawa Pref.	49	Takamatsu Port	180
Ehime Pref.	50	Niihama Port	270
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	9.7
Kitakyushu City	52	Dokai Bay	1,100
Fukuoka City	53	Hakata Bay	49
Saga Pref.	54	Imari Bay	71
Nagasaki Pref.	55	Omura Bay	54
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	3.3
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.6)
Okinawa Pref.	60	Naha Port	2,100

(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) nd : Not detected

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	99
Median	120
Maximum	15,000
Minimum	tr(0.7)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	15
	2	Tomakomai Port	210
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.4
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	70
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	3.8
Akita Pref.	6	Lake Hachiro	39
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	17
Fukushima Pref.	8	Onahama Port	380
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	19
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.1
Chiba Pref.	11	Coast of Ichihara and Anegasaki	420
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6.1
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	290
	14	Mouth of Riv. Sumida (Minato Ward)	1,700
Yokohama City	15	Yokohama Port	2,400
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	210
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,900
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	9.8
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7.5
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	74
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.9
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	4.7
Nagano Pref.	23	Lake Suwa (center)	76
Shizuoka Pref.	24	Shimizu Port	220
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	7.8
Aichi Pref.	26	Kinoura Port	76
	27	Nagoya Port	510
Mie Pref.	28	Yokkaichi Port	380
	29	Toba Port	7,100
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	56
	31	Lake Biwa (center, offshore of Karasaki)	100
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	47
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	2,100
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	500
	33	Mouth of Riv. Yodo (Osaka City)	730
	36	Osaka Port	6,100
	37	Outside Osaka Port	1,900
Hyogo Pref.	38	Offshore of Himeji	150
Kobe City	39	Kobe Port (center)	15,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	11
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	180
Okayama Pref.	42	Offshore of Mizushima	51
Hiroshima Pref.	43	Kure Port	3,000
	44	Hiroshima Bay	420
Yamaguchi Pref.	45	Tokuyama Bay	150
	46	Offshore of Ube	110
	47	Offshore of Hagi	47
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	28
Kagawa Pref.	49	Takamatsu Port	370
Ehime Pref.	50	Niihama Port	760
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	27
Kitakyushu City	52	Dokai Bay	3,200
Fukuoka City	53	Hakata Bay	120
Saga Pref.	54	Imari Bay	200
Nagasaki Pref.	55	Omura Bay	130
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	7.3
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.9)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(0.7)
	59	Riv. Gotanda (Ichikikushikino City)	tr(1.3)
Okinawa Pref.	60	Naha Port	3,900

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

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

Monitored year : 2021

Detection Frequency (site) : 43/60 (Missing value : 0)

Detection Frequency (sample) : 43/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	3.0
Median	2.6
Maximum	180
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	2.8
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.6
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	7.5
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.9)
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	8.0
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	11
	14	Mouth of Riv. Sumida (Minato Ward)	40
Yokohama City	15	Yokohama Port	37
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	6.5
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	34
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	2.3
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	2.5
Shizuoka Pref.	24	Shimizu Port	4.1
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	1.9
	27	Nagoya Port	9.9
Mie Pref.	28	Yokkaichi Port	6.9
	29	Toba Port	79
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	3.6
	31	Lake Biwa (center, offshore of Karasaki)	5.5
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.6
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	26
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	16
	33	Mouth of Riv. Yodo (Osaka City)	23
	36	Osaka Port	120
	37	Outside Osaka Port	40
Hyogo Pref.	38	Offshore of Himeji	4.5
Kobe City	39	Kobe Port (center)	180
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.1
Okayama Pref.	42	Offshore of Mizushima	tr(0.9)
Hiroshima Pref.	43	Kure Port	43
	44	Hiroshima Bay	7.9
Yamaguchi Pref.	45	Tokuyama Bay	2.3
	46	Offshore of Ube	2.0
	47	Offshore of Hagi	tr(0.8)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(0.8)
Kagawa Pref.	49	Takamatsu Port	11
Ehime Pref.	50	Niihama Port	12
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	53
Fukuoka City	53	Hakata Bay	2.3
Saga Pref.	54	Imari Bay	3.4
Nagasaki Pref.	55	Omura Bay	2.9
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	87

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 57/60 (Missing value : 0)

Detection Frequency (sample) : 57/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	60
Median	86
Maximum	12,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	4.8
	2	Tomakomai Port	160
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.7)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	58
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.3
Akita Pref.	6	Lake Hachiro	23
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	7.0
Fukushima Pref.	8	Onahama Port	280
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.8
Chiba Pref.	11	Coast of Ichihara and Anegasaki	300
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.9
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	190
	14	Mouth of Riv. Sumida (Minato Ward)	970
Yokohama City	15	Yokohama Port	1,700
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	130
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,200
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	4.9
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.0
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	49
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.0
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.5
Nagano Pref.	23	Lake Suwa (center)	49
Shizuoka Pref.	24	Shimizu Port	160
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	4.8
Aichi Pref.	26	Kinoura Port	65
	27	Nagoya Port	330
Mie Pref.	28	Yokkaichi Port	300
	29	Toba Port	5,700
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	48
	31	Lake Biwa (center, offshore of Karasaki)	59
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	15
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	1,700
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	290
	33	Mouth of Riv. Yodo (Osaka City)	370
	36	Osaka Port	4,500
	37	Outside Osaka Port	1,400
Hyogo Pref.	38	Offshore of Himeji	120
Kobe City	39	Kobe Port (center)	12,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6.5
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	130
Okayama Pref.	42	Offshore of Mizushima	49
Hiroshima Pref.	43	Kure Port	2,300
	44	Hiroshima Bay	360
Yamaguchi Pref.	45	Tokuyama Bay	150
	46	Offshore of Ube	81
	47	Offshore of Hagi	49
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	18
Kagawa Pref.	49	Takamatsu Port	210
Ehime Pref.	50	Niihama Port	560
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	22
Kitakyushu City	52	Dokai Bay	2,400
Fukuoka City	53	Hakata Bay	91
Saga Pref.	54	Imari Bay	150
Nagasaki Pref.	55	Omura Bay	130
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	3.8
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	4,300

(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

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

Monitored year : 2021

Detection Frequency (site) : 48/60 (Missing value : 0)

Detection Frequency (sample) : 48/60 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 0.9

	Aggregated value
Geometric mean	9.1
Median	14
Maximum	750
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	13
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	9.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	6.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	45
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	5.9
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	32
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	39
	14	Mouth of Riv. Sumida (Minato Ward)	160
Yokohama City	15	Yokohama Port	180
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	24
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	110
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	1.1
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.4
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	6.9
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	13
Shizuoka Pref.	24	Shimizu Port	14
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	7.6
	27	Nagoya Port	36
Mie Pref.	28	Yokkaichi Port	36
	29	Toba Port	420
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	15
	31	Lake Biwa (center, offshore of Karasaki)	14
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.1
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	130
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	46
	33	Mouth of Riv. Yodo (Osaka City)	56
	36	Osaka Port	640
	37	Outside Osaka Port	150
Hyogo Pref.	38	Offshore of Himeji	17
Kobe City	39	Kobe Port (center)	750
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.7)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	25
Okayama Pref.	42	Offshore of Mizushima	5.3
Hiroshima Pref.	43	Kure Port	250
	44	Hiroshima Bay	38
Yamaguchi Pref.	45	Tokuyama Bay	15
	46	Offshore of Ube	9.0
	47	Offshore of Hagi	5.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	4.2
Kagawa Pref.	49	Takamatsu Port	33
Ehime Pref.	50	Niihama Port	43
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	2.7
Kitakyushu City	52	Dokai Bay	260
Fukuoka City	53	Hakata Bay	11
Saga Pref.	54	Imari Bay	14
Nagasaki Pref.	55	Omura Bay	34
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	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.

(Note 4) nd : Not detected

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

Monitored year : 2021

Detection Frequency (site) : 50/60 (Missing value : 0)

Detection Frequency (sample) : 50/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.6

	Aggregated value
Geometric mean	7.2
Median	10
Maximum	2,200
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.0
	2	Tomakomai Port	3.9
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	23
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	11
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.2
Fukushima Pref.	8	Onahama Port	310
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	9.5
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	46
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	62
	14	Mouth of Riv. Sumida (Minato Ward)	230
Yokohama City	15	Yokohama Port	890
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	11
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	120
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	1.7
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	6.9
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	5.1
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.5)
Nagano Pref.	23	Lake Suwa (center)	9.4
Shizuoka Pref.	24	Shimizu Port	11
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	3.5
	27	Nagoya Port	13
Mie Pref.	28	Yokkaichi Port	14
	29	Toba Port	22
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	16
	31	Lake Biwa (center, offshore of Karasaki)	9.9
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.9
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	65
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	30
	33	Mouth of Riv. Yodo (Osaka City)	33
	36	Osaka Port	260
	37	Outside Osaka Port	75
Hyogo Pref.	38	Offshore of Himeji	11
Kobe City	39	Kobe Port (center)	110
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.9
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	13
Okayama Pref.	42	Offshore of Mizushima	3.5
Hiroshima Pref.	43	Kure Port	200
	44	Hiroshima Bay	19
Yamaguchi Pref.	45	Tokuyama Bay	14
	46	Offshore of Ube	8.4
	47	Offshore of Hagi	2.0
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	4.5
Kagawa Pref.	49	Takamatsu Port	32
Ehime Pref.	50	Niihama Port	62
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.7
Kitakyushu City	52	Dokai Bay	2,200
Fukuoka City	53	Hakata Bay	6.4
Saga Pref.	54	Imari Bay	5.6
Nagasaki Pref.	55	Omura Bay	39
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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

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

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.3

	Aggregated value
Geometric mean	56
Median	56
Maximum	12,000
Minimum	2.5

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	63
	2	Tomakomai Port	62
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	10
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	320
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	7.6
Akita Pref.	6	Lake Hachiro	49
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	64
Fukushima Pref.	8	Onahama Port	12,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	290
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	4.4
Chiba Pref.	11	Coast of Ichihara and Anegasaki	140
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6.2
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	790
	14	Mouth of Riv. Sumida (Minato Ward)	550
Yokohama City	15	Yokohama Port	890
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	140
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	480
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	77
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	23
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	62
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	7.0
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	21
Nagano Pref.	23	Lake Suwa (center)	240
Shizuoka Pref.	24	Shimizu Port	58
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	25
Aichi Pref.	26	Kinoura Port	22
	27	Nagoya Port	47
Mie Pref.	28	Yokkaichi Port	87
	29	Toba Port	55
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	25
	31	Lake Biwa (center, offshore of Karasaki)	24
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	35
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	220
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	130
	33	Mouth of Riv. Yodo (Osaka City)	180
	36	Osaka Port	880
	37	Outside Osaka Port	130
Hyogo Pref.	38	Offshore of Himeji	30
Kobe City	39	Kobe Port (center)	59
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	7.0
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	86
Okayama Pref.	42	Offshore of Mizushima	15
Hiroshima Pref.	43	Kure Port	66
	44	Hiroshima Bay	20
Yamaguchi Pref.	45	Tokuyama Bay	67
	46	Offshore of Ube	27
	47	Offshore of Hagi	7.2
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	100
Kagawa Pref.	49	Takamatsu Port	95
Ehime Pref.	50	Niihama Port	130
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	48
Kitakyushu City	52	Dokai Bay	5,300
Fukuoka City	53	Hakata Bay	20
Saga Pref.	54	Imari Bay	38
Nagasaki Pref.	55	Omura Bay	19
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	13
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	6.3
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	3.3
	59	Riv. Gotanda (Ichikikushikino City)	2.5
Okinawa Pref.	60	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.

[6-1] *p,p'*-DDT/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	110
Median	100
Maximum	17,000
Minimum	3.8

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	720
	2	Tomakomai Port	74
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	78
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	63
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	11
Akita Pref.	6	Lake Hachiro	38
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	110
Fukushima Pref.	8	Onahama Port	1,700
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	73
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	13
Chiba Pref.	11	Coast of Ichihara and Anegasaki	120
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6.9
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	230
	14	Mouth of Riv. Sumida (Minato Ward)	550
Yokohama City	15	Yokohama Port	670
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	540
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	150
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	220
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	22
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	120
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	18
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	15
Nagano Pref.	23	Lake Suwa (center)	550
Shizuoka Pref.	24	Shimizu Port	260
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	50
Aichi Pref.	26	Kinoura Port	54
	27	Nagoya Port	110
Mie Pref.	28	Yokkaichi Port	67
	29	Toba Port	17,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	57
	31	Lake Biwa (center, offshore of Karasaki)	28
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	120
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	280
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	760
	33	Mouth of Riv. Yodo (Osaka City)	520
	36	Osaka Port	380
	37	Outside Osaka Port	640
Hyogo Pref.	38	Offshore of Himeji	67
Kobe City	39	Kobe Port (center)	800
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	38
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	140
Okayama Pref.	42	Offshore of Mizushima	34
Hiroshima Pref.	43	Kure Port	700
	44	Hiroshima Bay	190
Yamaguchi Pref.	45	Tokuyama Bay	130
	46	Offshore of Ube	21
	47	Offshore of Hagi	37
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	31
Kagawa Pref.	49	Takamatsu Port	170
Ehime Pref.	50	Niihama Port	3.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	28
Kitakyushu City	52	Dokai Bay	610
Fukuoka City	53	Hakata Bay	110
Saga Pref.	54	Imari Bay	100
Nagasaki Pref.	55	Omura Bay	72
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	4.8
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	25
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	8.1
	59	Riv. Gotanda (Ichikikushikino City)	16
Okinawa Pref.	60	Naha Port	7,900

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

[6-2] *p,p'*-DDE/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.7

	Aggregated value
Geometric mean	350
Median	360
Maximum	25,000
Minimum	8.7

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1,000
	2	Tomakomai Port	130
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	66
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	180
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	8.7
Akita Pref.	6	Lake Hachiro	290
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	360
Fukushima Pref.	8	Onahama Port	1,600
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	260
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	15
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,100
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	120
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	2,700
	14	Mouth of Riv. Sumida (Minato Ward)	25,000
Yokohama City	15	Yokohama Port	2,400
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	740
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,600
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	590
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	73
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	350
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	31
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	56
Nagano Pref.	23	Lake Suwa (center)	2,300
Shizuoka Pref.	24	Shimizu Port	750
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	53
Aichi Pref.	26	Kinoura Port	300
	27	Nagoya Port	530
Mie Pref.	28	Yokkaichi Port	320
	29	Toba Port	1,900
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	430
	31	Lake Biwa (center, offshore of Karasaki)	230
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	270
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	1,400
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,500
	33	Mouth of Riv. Yodo (Osaka City)	2,500
	36	Osaka Port	5,200
	37	Outside Osaka Port	970
Hyogo Pref.	38	Offshore of Himeji	290
Kobe City	39	Kobe Port (center)	1,200
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	52
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,600
Okayama Pref.	42	Offshore of Mizushima	77
Hiroshima Pref.	43	Kure Port	1,100
	44	Hiroshima Bay	740
Yamaguchi Pref.	45	Tokuyama Bay	110
	46	Offshore of Ube	220
	47	Offshore of Hagi	140
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	160
Kagawa Pref.	49	Takamatsu Port	2,100
Ehime Pref.	50	Niihama Port	27
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	170
Kitakyushu City	52	Dokai Bay	2,300
Fukuoka City	53	Hakata Bay	930
Saga Pref.	54	Imari Bay	660
Nagasaki Pref.	55	Omura Bay	660
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	18
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	47
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	10
	59	Riv. Gotanda (Ichikikushikino City)	18
Okinawa Pref.	60	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.

[6-3] *p,p'*-DDD/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.5

	Aggregated value
Geometric mean	210
Median	240
Maximum	8,600
Minimum	1.9

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	970
	2	Tomakomai Port	260
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	17
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	110
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	8.8
Akita Pref.	6	Lake Hachiro	230
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	280
Fukushima Pref.	8	Onahama Port	3,600
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	150
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	8.3
Chiba Pref.	11	Coast of Ichihara and Anegasaki	400
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	42
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	720
	14	Mouth of Riv. Sumida (Minato Ward)	2,700
Yokohama City	15	Yokohama Port	1,600
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	740
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,200
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	420
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	51
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	280
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	16
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	22
Nagano Pref.	23	Lake Suwa (center)	1,100
Shizuoka Pref.	24	Shimizu Port	650
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	29
Aichi Pref.	26	Kinoura Port	77
	27	Nagoya Port	200
Mie Pref.	28	Yokkaichi Port	200
	29	Toba Port	8,600
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	150
	31	Lake Biwa (center, offshore of Karasaki)	57
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	160
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	780
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	720
	33	Mouth of Riv. Yodo (Osaka City)	1,100
	36	Osaka Port	1,500
	37	Outside Osaka Port	1,200
Hyogo Pref.	38	Offshore of Himeji	180
Kobe City	39	Kobe Port (center)	2,400
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	27
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	500
Okayama Pref.	42	Offshore of Mizushima	44
Hiroshima Pref.	43	Kure Port	710
	44	Hiroshima Bay	310
Yamaguchi Pref.	45	Tokuyama Bay	78
	46	Offshore of Ube	210
	47	Offshore of Hagi	100
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	98
Kagawa Pref.	49	Takamatsu Port	1,100
Ehime Pref.	50	Niihama Port	12
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	96
Kitakyushu City	52	Dokai Bay	3,600
Fukuoka City	53	Hakata Bay	980
Saga Pref.	54	Imari Bay	760
Nagasaki Pref.	55	Omura Bay	430
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	8.9
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	17
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.9
	59	Riv. Gotanda (Ichikikushikino City)	5.3
Okinawa Pref.	60	Naha Port	4,300

(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.

[6-4] *o,p'*-DDT/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 58/60 (Missing value : 0)

Detection Frequency (sample) : 58/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	19
Median	20
Maximum	3,200
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	120
	2	Tomakomai Port	22
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	8.2
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	0.9
Akita Pref.	6	Lake Hachiro	13
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	18
Fukushima Pref.	8	Onahama Port	1,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	1.7
Chiba Pref.	11	Coast of Ichihara and Anegasaki	30
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.1
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	44
	14	Mouth of Riv. Sumida (Minato Ward)	130
Yokohama City	15	Yokohama Port	130
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	280
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	47
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	32
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.1
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	7.8
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.9
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	3.2
Nagano Pref.	23	Lake Suwa (center)	110
Shizuoka Pref.	24	Shimizu Port	62
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	8.2
Aichi Pref.	26	Kinoura Port	8.9
	27	Nagoya Port	26
Mie Pref.	28	Yokkaichi Port	15
	29	Toba Port	3,200
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	21
	31	Lake Biwa (center, offshore of Karasaki)	7.7
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	17
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	61
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	140
	33	Mouth of Riv. Yodo (Osaka City)	150
	36	Osaka Port	140
	37	Outside Osaka Port	180
Hyogo Pref.	38	Offshore of Himeji	17
Kobe City	39	Kobe Port (center)	230
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	5.6
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	26
Okayama Pref.	42	Offshore of Mizushima	7.5
Hiroshima Pref.	43	Kure Port	150
	44	Hiroshima Bay	43
Yamaguchi Pref.	45	Tokuyama Bay	31
	46	Offshore of Ube	5.0
	47	Offshore of Hagi	5.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	6.6
Kagawa Pref.	49	Takamatsu Port	25
Ehime Pref.	50	Niihama Port	0.5
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	170
Fukuoka City	53	Hakata Bay	25
Saga Pref.	54	Imari Bay	25
Nagasaki Pref.	55	Omura Bay	18
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	3.3
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.1
	59	Riv. Gotanda (Ichikikushikino City)	0.9
Okinawa Pref.	60	Naha Port	920

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

[6-5] *o,p'*-DDE/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 59/60 (Missing value : 0)

Detection Frequency (sample) : 59/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.5

	Aggregated value
Geometric mean	19
Median	14
Maximum	16,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	25
	2	Tomakomai Port	6.7
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.3
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	5.8
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.4)
Akita Pref.	6	Lake Hachiro	11
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	13
Fukushima Pref.	8	Onahama Port	270
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	6.6
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	220
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	13
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	830
	14	Mouth of Riv. Sumida (Minato Ward)	16,000
Yokohama City	15	Yokohama Port	460
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	59
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	300
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	15
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.3
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	11
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.5
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	2.2
Nagano Pref.	23	Lake Suwa (center)	72
Shizuoka Pref.	24	Shimizu Port	48
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.3
Aichi Pref.	26	Kinoura Port	12
	27	Nagoya Port	49
Mie Pref.	28	Yokkaichi Port	14
	29	Toba Port	66
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	15
	31	Lake Biwa (center, offshore of Karasaki)	8.8
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	11
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	110
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	62
	33	Mouth of Riv. Yodo (Osaka City)	120
	36	Osaka Port	540
	37	Outside Osaka Port	110
Hyogo Pref.	38	Offshore of Himeji	16
Kobe City	39	Kobe Port (center)	110
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.6
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	810
Okayama Pref.	42	Offshore of Mizushima	3.4
Hiroshima Pref.	43	Kure Port	51
	44	Hiroshima Bay	31
Yamaguchi Pref.	45	Tokuyama Bay	6.4
	46	Offshore of Ube	12
	47	Offshore of Hagi	4.4
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	7.2
Kagawa Pref.	49	Takamatsu Port	98
Ehime Pref.	50	Niihama Port	1.1
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	3.8
Kitakyushu City	52	Dokai Bay	490
Fukuoka City	53	Hakata Bay	51
Saga Pref.	54	Imari Bay	32
Nagasaki Pref.	55	Omura Bay	46
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	0.7
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	1.1
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	60	Naha Port	420

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

[6-6] *o,p'*-DDD/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	64
Median	66
Maximum	2,500
Minimum	0.4

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	250
	2	Tomakomai Port	110
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3.4
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	28
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2.5
Akita Pref.	6	Lake Hachiro	58
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	55
Fukushima Pref.	8	Onahama Port	1,800
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	38
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.7
Chiba Pref.	11	Coast of Ichihara and Anegasaki	150
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6.6
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	230
	14	Mouth of Riv. Sumida (Minato Ward)	2,000
Yokohama City	15	Yokohama Port	1,300
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	310
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	90
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	11
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	64
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.1
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	5.1
Nagano Pref.	23	Lake Suwa (center)	210
Shizuoka Pref.	24	Shimizu Port	190
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.1
Aichi Pref.	26	Kinuura Port	20
	27	Nagoya Port	52
Mie Pref.	28	Yokkaichi Port	59
	29	Toba Port	2,500
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	38
	31	Lake Biwa (center, offshore of Karasaki)	16
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	86
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	600
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	360
	33	Mouth of Riv. Yodo (Osaka City)	700
	36	Osaka Port	640
	37	Outside Osaka Port	390
Hyogo Pref.	38	Offshore of Himeji	54
Kobe City	39	Kobe Port (center)	660
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	23
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	650
Okayama Pref.	42	Offshore of Mizushima	11
Hiroshima Pref.	43	Kure Port	180
	44	Hiroshima Bay	82
Yamaguchi Pref.	45	Tokuyama Bay	24
	46	Offshore of Ube	69
	47	Offshore of Hagi	24
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	32
Kagawa Pref.	49	Takamatsu Port	490
Ehime Pref.	50	Niihama Port	3.0
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	23
Kitakyushu City	52	Dokai Bay	1,200
Fukuoka City	53	Hakata Bay	220
Saga Pref.	54	Imari Bay	190
Nagasaki Pref.	55	Omura Bay	98
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2.0
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	4.1
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	0.4
	59	Riv. Gotanda (Ichikikushikino City)	0.9
Okinawa Pref.	60	Naha Port	980

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

[15] Perfluorooctane sulfonic acid (PFOS)/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 3

Quantification limit : 6

	Aggregated value
Geometric mean	52
Median	62
Maximum	620
Minimum	tr(5)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	16
	2	Tomakomai Port	96
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	74
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	33
Akita Pref.	6	Lake Hachiro	59
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	28
Fukushima Pref.	8	Onahama Port	21
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	79
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	38
Chiba Pref.	11	Coast of Ichihara and Anegasaki	260
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	11
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	200
	14	Mouth of Riv. Sumida (Minato Ward)	620
Yokohama City	15	Yokohama Port	180
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	74
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	120
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	28
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	10
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	26
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	7
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	22
Nagano Pref.	23	Lake Suwa (center)	95
Shizuoka Pref.	24	Shimizu Port	11
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	29
Aichi Pref.	26	Kinoura Port	100
	27	Nagoya Port	70
Mie Pref.	28	Yokkaichi Port	56
	29	Toba Port	62
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	200
	31	Lake Biwa (center, offshore of Karasaki)	340
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	63
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	360
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	33	Mouth of Riv. Yodo (Osaka City)	240
	36	Osaka Port	120
	37	Outside Osaka Port	89
Hyogo Pref.	38	Offshore of Himeji	130
Kobe City	39	Kobe Port (center)	130
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	31
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	18
Okayama Pref.	42	Offshore of Mizushima	42
Hiroshima Pref.	43	Kure Port	130
	44	Hiroshima Bay	83
Yamaguchi Pref.	45	Tokuyama Bay	150
	46	Offshore of Ube	27
	47	Offshore of Hagi	13
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	34
Kagawa Pref.	49	Takamatsu Port	63
Ehime Pref.	50	Niihama Port	10
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	11
Kitakyushu City	52	Dokai Bay	130
Fukuoka City	53	Hakata Bay	83
Saga Pref.	54	Imari Bay	24
Nagasaki Pref.	55	Omura Bay	200
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(5)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	21
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	8
	59	Riv. Gotanda (Ichikikushikino City)	25
Okinawa Pref.	60	Naha Port	140

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

[16] Perfluorooctanoic acid (PFOA)/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 58/60 (Missing value : 0)

Detection Frequency (sample) : 58/60 (Missing value : 0)

Detection limit : 4

Quantification limit : 9

	Aggregated value
Geometric mean	24
Median	26
Maximum	260
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	12
	2	Tomakomai Port	18
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	10
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	41
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	19
Akita Pref.	6	Lake Hachiro	35
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(6)
Fukushima Pref.	8	Onahama Port	20
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	25
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	10
Chiba Pref.	11	Coast of Ichihara and Anegasaki	53
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(6)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	40
	14	Mouth of Riv. Sumida (Minato Ward)	44
Yokohama City	15	Yokohama Port	29
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	16
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	57
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	9
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(8)
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	62
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(7)
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	9
Nagano Pref.	23	Lake Suwa (center)	25
Shizuoka Pref.	24	Shimizu Port	19
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	17
Aichi Pref.	26	Kinoura Port	30
	27	Nagoya Port	17
Mie Pref.	28	Yokkaichi Port	14
	29	Toba Port	45
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	75
	31	Lake Biwa (center, offshore of Karasaki)	110
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	31
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	69
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	120
	33	Mouth of Riv. Yodo (Osaka City)	78
	36	Osaka Port	260
	37	Outside Osaka Port	90
Hyogo Pref.	38	Offshore of Himeji	59
Kobe City	39	Kobe Port (center)	110
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	24
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	9
Okayama Pref.	42	Offshore of Mizushima	26
Hiroshima Pref.	43	Kure Port	14
	44	Hiroshima Bay	23
Yamaguchi Pref.	45	Tokuyama Bay	31
	46	Offshore of Ube	10
	47	Offshore of Hagi	43
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	27
Kagawa Pref.	49	Takamatsu Port	27
Ehime Pref.	50	Niihama Port	tr(6)
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	12
Kitakyushu City	52	Dokai Bay	41
Fukuoka City	53	Hakata Bay	47
Saga Pref.	54	Imari Bay	65
Nagasaki Pref.	55	Omura Bay	110
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	34
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(5)
Okinawa Pref.	60	Naha Port	16

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	28
Median	32
Maximum	2,300
Minimum	tr(0.8)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	49
	2	Tomakomai Port	44
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	5.8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	53
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.1
Akita Pref.	6	Lake Hachiro	23
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	42
Fukushima Pref.	8	Onahama Port	2,300
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	200
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	65
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	3.0
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	490
	14	Mouth of Riv. Sumida (Minato Ward)	330
Yokohama City	15	Yokohama Port	92
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	54
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	260
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	77
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	16
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	45
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	6.3
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	12
Nagano Pref.	23	Lake Suwa (center)	180
Shizuoka Pref.	24	Shimizu Port	21
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	16
Aichi Pref.	26	Kinoura Port	11
	27	Nagoya Port	36
Mie Pref.	28	Yokkaichi Port	39
	29	Toba Port	72
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	14
	31	Lake Biwa (center, offshore of Karasaki)	53
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	31
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	120
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	93
	33	Mouth of Riv. Yodo (Osaka City)	170
	36	Osaka Port	350
	37	Outside Osaka Port	62
Hyogo Pref.	38	Offshore of Himeji	20
Kobe City	39	Kobe Port (center)	37
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	34
Okayama Pref.	42	Offshore of Mizushima	7.2
Hiroshima Pref.	43	Kure Port	27
	44	Hiroshima Bay	12
Yamaguchi Pref.	45	Tokuyama Bay	28
	46	Offshore of Ube	9.6
	47	Offshore of Hagi	2.7
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	38
Kagawa Pref.	49	Takamatsu Port	54
Ehime Pref.	50	Niihama Port	26
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	27
Kitakyushu City	52	Dokai Bay	1,600
Fukuoka City	53	Hakata Bay	10
Saga Pref.	54	Imari Bay	17
Nagasaki Pref.	55	Omura Bay	13
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	4.2
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	4.5
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(0.8)
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.8)
Okinawa Pref.	60	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 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.

[18] Endosulfans/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 33/60 (Missing value : 0)

Detection Frequency (sample) : 33/60 (Missing value : 0)

Detection limit : *1.5

Quantification limit : *3.6

	Aggregated value
Geometric mean	tr(2.1)
Median	tr(1.8)
Maximum	110
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	22
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	5.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	12
Fukushima Pref.	8	Onahama Port	tr(2.0)
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	tr(2.2)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	4.2
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	25
	14	Mouth of Riv. Sumida (Minato Ward)	7.3
Yokohama City	15	Yokohama Port	tr(1.7)
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	tr(1.6)
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(1.6)
Nagano Pref.	23	Lake Suwa (center)	nd
Shizuoka Pref.	24	Shimizu Port	nd
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinuura Port	23
	27	Nagoya Port	tr(1.9)
Mie Pref.	28	Yokkaichi Port	tr(2.0)
	29	Toba Port	tr(3.3)
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	tr(2.8)
	31	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	110
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(2.2)
	33	Mouth of Riv. Yodo (Osaka City)	15
	36	Osaka Port	tr(2.9)
	37	Outside Osaka Port	nd
Hyogo Pref.	38	Offshore of Himeji	nd
Kobe City	39	Kobe Port (center)	nd
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.0
Okayama Pref.	42	Offshore of Mizushima	tr(3.4)
Hiroshima Pref.	43	Kure Port	nd
	44	Hiroshima Bay	nd
Yamaguchi Pref.	45	Tokuyama Bay	nd
	46	Offshore of Ube	nd
	47	Offshore of Hagi	4.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(3.0)
Kagawa Pref.	49	Takamatsu Port	12
Ehime Pref.	50	Niihama Port	4.7
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	tr(2.3)
Fukuoka City	53	Hakata Bay	4.6
Saga Pref.	54	Imari Bay	nd
Nagasaki Pref.	55	Omura Bay	nd
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(1.8)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	4.3
Okinawa Pref.	60	Naha Port	tr(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 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 target chemicals.

[18-1] α -Endosulfan/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 50/60 (Missing value : 0)

Detection Frequency (sample) : 50/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.4

	Aggregated value
Geometric mean	1.7
Median	1.8
Maximum	53
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	9.0
	2	Tomakomai Port	tr(0.9)
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(1.3)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.4
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.8
Fukushima Pref.	8	Onahama Port	2.0
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	4.2
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.7)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2.2
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.0
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	7.4
	14	Mouth of Riv. Sumida (Minato Ward)	7.3
Yokohama City	15	Yokohama Port	1.7
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	1.6
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1.4
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.6
Nagano Pref.	23	Lake Suwa (center)	tr(1.3)
Shizuoka Pref.	24	Shimizu Port	tr(0.6)
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.9)
Aichi Pref.	26	Kinuura Port	20
	27	Nagoya Port	1.9
Mie Pref.	28	Yokkaichi Port	2.0
	29	Toba Port	3.3
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	2.8
	31	Lake Biwa (center, offshore of Karasaki)	tr(1.0)
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	53
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2.2
	33	Mouth of Riv. Yodo (Osaka City)	11
	36	Osaka Port	2.9
	37	Outside Osaka Port	tr(0.9)
Hyogo Pref.	38	Offshore of Himeji	tr(1.0)
Kobe City	39	Kobe Port (center)	nd
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3.3
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.0
Okayama Pref.	42	Offshore of Mizushima	3.4
Hiroshima Pref.	43	Kure Port	tr(1.1)
	44	Hiroshima Bay	tr(1.0)
Yamaguchi Pref.	45	Tokuyama Bay	tr(0.7)
	46	Offshore of Ube	tr(1.1)
	47	Offshore of Hagi	4.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	3.0
Kagawa Pref.	49	Takamatsu Port	6.2
Ehime Pref.	50	Niihama Port	4.7
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.4
Kitakyushu City	52	Dokai Bay	2.3
Fukuoka City	53	Hakata Bay	4.6
Saga Pref.	54	Imari Bay	1.4
Nagasaki Pref.	55	Omura Bay	tr(1.2)
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	1.8
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	4.3
Okinawa Pref.	60	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 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

[18-2] β -Endosulfan/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 12/60 (Missing value : 0)

Detection Frequency (sample) : 12/60 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.2

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	57
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	13
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.6
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	8.1
Fukushima Pref.	8	Onahama Port	nd
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	9.2
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.2
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	18
	14	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	15	Yokohama Port	nd
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	nd
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(1.0)
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	nd
Shizuoka Pref.	24	Shimizu Port	nd
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinuura Port	2.5
	27	Nagoya Port	nd
Mie Pref.	28	Yokkaichi Port	nd
	29	Toba Port	nd
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	nd
	31	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	57
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	33	Mouth of Riv. Yodo (Osaka City)	4.0
	36	Osaka Port	nd
	37	Outside Osaka Port	nd
Hyogo Pref.	38	Offshore of Himeji	nd
Kobe City	39	Kobe Port (center)	nd
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3.1
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	42	Offshore of Mizushima	nd
Hiroshima Pref.	43	Kure Port	nd
	44	Hiroshima Bay	nd
Yamaguchi Pref.	45	Tokuyama Bay	nd
	46	Offshore of Ube	nd
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	49	Takamatsu Port	5.3
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	nd
Fukuoka City	53	Hakata Bay	nd
Saga Pref.	54	Imari Bay	nd
Nagasaki Pref.	55	Omura Bay	nd
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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) tr : Detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[20] Total Polychlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 59/60 (Missing value : 0)

Detection Frequency (sample) : 59/60 (Missing value : 0)

Detection limit : *3.6

Quantification limit : *9.7

	Aggregated value
Geometric mean	400
Median	440
Maximum	14,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	170
	2	Tomakomai Port	190
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	210
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	300
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	63
Akita Pref.	6	Lake Hachiro	300
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	290
Fukushima Pref.	8	Onahama Port	2,500
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	700
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	87
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,300
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	48
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	2,900
	14	Mouth of Riv. Sumida (Minato Ward)	14,000
Yokohama City	15	Yokohama Port	14,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	3,200
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	8,300
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	510
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	480
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	860
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	20
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	200
Nagano Pref.	23	Lake Suwa (center)	1,300
Shizuoka Pref.	24	Shimizu Port	330
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	62
Aichi Pref.	26	Kinoura Port	180
	27	Nagoya Port	480
Mie Pref.	28	Yokkaichi Port	570
	29	Toba Port	1,200
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	200
	31	Lake Biwa (center, offshore of Karasaki)	410
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,300
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	2,100
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,500
	33	Mouth of Riv. Yodo (Osaka City)	3,100
	36	Osaka Port	7,300
	37	Outside Osaka Port	1,700
Hyogo Pref.	38	Offshore of Himeji	300
Kobe City	39	Kobe Port (center)	3,200
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	72
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	620
Okayama Pref.	42	Offshore of Mizushima	68
Hiroshima Pref.	43	Kure Port	1,700
	44	Hiroshima Bay	470
Yamaguchi Pref.	45	Tokuyama Bay	120
	46	Offshore of Ube	290
	47	Offshore of Hagi	35
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	200
Kagawa Pref.	49	Takamatsu Port	1,800
Ehime Pref.	50	Niihama Port	35
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	130
Kitakyushu City	52	Dokai Bay	6,900
Fukuoka City	53	Hakata Bay	510
Saga Pref.	54	Imari Bay	600
Nagasaki Pref.	55	Omura Bay	310
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	22
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	13
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(9.6)
Okinawa Pref.	60	Naha Port	1,900

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

[20-1] Monochlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	24
Median	19
Maximum	850
Minimum	tr(1)

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	27
	2	Tomakomai Port	28
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	10
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(2)
Akita Pref.	6	Lake Hachiro	11
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	6
Fukushima Pref.	8	Onahama Port	94
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	12
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	3
Chiba Pref.	11	Coast of Ichihara and Anegasaki	70
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	8
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	170
	14	Mouth of Riv. Sumida (Minato Ward)	630
Yokohama City	15	Yokohama Port	850
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	160
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	450
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	13
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	55
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	18
Nagano Pref.	23	Lake Suwa (center)	38
Shizuoka Pref.	24	Shimizu Port	19
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5
Aichi Pref.	26	Kinoura Port	12
	27	Nagoya Port	61
Mie Pref.	28	Yokkaichi Port	49
	29	Toba Port	75
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	8
	31	Lake Biwa (center, offshore of Karasaki)	22
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	41
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	120
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	230
	33	Mouth of Riv. Yodo (Osaka City)	170
	36	Osaka Port	820
	37	Outside Osaka Port	260
Hyogo Pref.	38	Offshore of Himeji	18
Kobe City	39	Kobe Port (center)	55
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	20
Okayama Pref.	42	Offshore of Mizushima	10
Hiroshima Pref.	43	Kure Port	44
	44	Hiroshima Bay	18
Yamaguchi Pref.	45	Tokuyama Bay	16
	46	Offshore of Ube	11
	47	Offshore of Hagi	4
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	19
Kagawa Pref.	49	Takamatsu Port	140
Ehime Pref.	50	Niihama Port	4
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	16
Kitakyushu City	52	Dokai Bay	290
Fukuoka City	53	Hakata Bay	14
Saga Pref.	54	Imari Bay	19
Nagasaki Pref.	55	Omura Bay	19
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(2)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	3
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(1)
	59	Riv. Gotanda (Ichikikushikino City)	tr(2)
Okinawa Pref.	60	Naha Port	130

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

[20-2] Dichlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 59/60 (Missing value : 0)

Detection Frequency (sample) : 59/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.7

	Aggregated value
Geometric mean	29
Median	29
Maximum	3,700
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	14
	2	Tomakomai Port	29
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	16
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	17
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.5)
Akita Pref.	6	Lake Hachiro	24
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	7.9
Fukushima Pref.	8	Onahama Port	150
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	29
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	3.1
Chiba Pref.	11	Coast of Ichihara and Anegasaki	180
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	5.4
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	360
	14	Mouth of Riv. Sumida (Minato Ward)	1,800
Yokohama City	15	Yokohama Port	3,700
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	570
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,700
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	31
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.5
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	68
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.7
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	4.3
Nagano Pref.	23	Lake Suwa (center)	100
Shizuoka Pref.	24	Shimizu Port	20
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	9.6
Aichi Pref.	26	Kinoura Port	17
	27	Nagoya Port	50
Mie Pref.	28	Yokkaichi Port	43
	29	Toba Port	140
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	13
	31	Lake Biwa (center, offshore of Karasaki)	32
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	120
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	100
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	190
	33	Mouth of Riv. Yodo (Osaka City)	220
	36	Osaka Port	840
	37	Outside Osaka Port	170
Hyogo Pref.	38	Offshore of Himeji	29
Kobe City	39	Kobe Port (center)	190
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	39
Okayama Pref.	42	Offshore of Mizushima	7.2
Hiroshima Pref.	43	Kure Port	120
	44	Hiroshima Bay	34
Yamaguchi Pref.	45	Tokuyama Bay	17
	46	Offshore of Ube	16
	47	Offshore of Hagi	2.9
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	18
Kagawa Pref.	49	Takamatsu Port	130
Ehime Pref.	50	Niihama Port	3.6
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	11
Kitakyushu City	52	Dokai Bay	410
Fukuoka City	53	Hakata Bay	25
Saga Pref.	54	Imari Bay	34
Nagasaki Pref.	55	Omura Bay	34
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	1.5
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	1.1
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	0.9
Okinawa Pref.	60	Naha Port	220

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 59/60 (Missing value : 0)

Detection Frequency (sample) : 59/60 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.7

	Aggregated value
Geometric mean	63
Median	66
Maximum	3,100
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	31
	2	Tomakomai Port	32
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	78
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	60
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6.4
Akita Pref.	6	Lake Hachiro	65
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	48
Fukushima Pref.	8	Onahama Port	520
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	88
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	20
Chiba Pref.	11	Coast of Ichihara and Anegasaki	260
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	4.7
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	450
	14	Mouth of Riv. Sumida (Minato Ward)	2,900
Yokohama City	15	Yokohama Port	3,100
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	670
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2,300
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	75
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	21
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	190
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.0
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	17
Nagano Pref.	23	Lake Suwa (center)	240
Shizuoka Pref.	24	Shimizu Port	47
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	11
Aichi Pref.	26	Kinoura Port	34
	27	Nagoya Port	83
Mie Pref.	28	Yokkaichi Port	60
	29	Toba Port	300
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	29
	31	Lake Biwa (center, offshore of Karasaki)	59
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	310
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	260
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	320
	33	Mouth of Riv. Yodo (Osaka City)	390
	36	Osaka Port	1,600
	37	Outside Osaka Port	290
Hyogo Pref.	38	Offshore of Himeji	49
Kobe City	39	Kobe Port (center)	620
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6.8
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	83
Okayama Pref.	42	Offshore of Mizushima	9.8
Hiroshima Pref.	43	Kure Port	330
	44	Hiroshima Bay	91
Yamaguchi Pref.	45	Tokuyama Bay	20
	46	Offshore of Ube	51
	47	Offshore of Hagi	5.9
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	26
Kagawa Pref.	49	Takamatsu Port	290
Ehime Pref.	50	Niihama Port	3.1
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	20
Kitakyushu City	52	Dokai Bay	1,100
Fukuoka City	53	Hakata Bay	85
Saga Pref.	54	Imari Bay	110
Nagasaki Pref.	55	Omura Bay	66
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2.8
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(1.2)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.9)
Okinawa Pref.	60	Naha Port	310

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.9

	Aggregated value
Geometric mean	140
Median	130
Maximum	4,900
Minimum	1.1

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	66
	2	Tomakomai Port	53
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	97
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	93
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	33
Akita Pref.	6	Lake Hachiro	99
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	140
Fukushima Pref.	8	Onahama Port	780
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	200
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	42
Chiba Pref.	11	Coast of Ichihara and Anegasaki	410
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	16
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	930
	14	Mouth of Riv. Sumida (Minato Ward)	4,900
Yokohama City	15	Yokohama Port	2,600
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	1,000
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,900
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	120
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	41
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	340
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9.6
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	78
Nagano Pref.	23	Lake Suwa (center)	520
Shizuoka Pref.	24	Shimizu Port	130
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	26
Aichi Pref.	26	Kinoura Port	67
	27	Nagoya Port	160
Mie Pref.	28	Yokkaichi Port	130
	29	Toba Port	440
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	71
	31	Lake Biwa (center, offshore of Karasaki)	150
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	560
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	900
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	920
	33	Mouth of Riv. Yodo (Osaka City)	1,300
	36	Osaka Port	2,300
	37	Outside Osaka Port	540
Hyogo Pref.	38	Offshore of Himeji	110
Kobe City	39	Kobe Port (center)	1,300
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	32
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	260
Okayama Pref.	42	Offshore of Mizushima	22
Hiroshima Pref.	43	Kure Port	670
	44	Hiroshima Bay	180
Yamaguchi Pref.	45	Tokuyama Bay	28
	46	Offshore of Ube	130
	47	Offshore of Hagi	14
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	77
Kagawa Pref.	49	Takamatsu Port	710
Ehime Pref.	50	Niihama Port	9.7
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	48
Kitakyushu City	52	Dokai Bay	2,100
Fukuoka City	53	Hakata Bay	220
Saga Pref.	54	Imari Bay	250
Nagasaki Pref.	55	Omura Bay	120
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	10
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	5.1
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.1
	59	Riv. Gotanda (Ichikikushikino City)	3.3
Okinawa Pref.	60	Naha Port	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.

[20-5] Pentachlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 60/60 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.5

	Aggregated value
Geometric mean	87
Median	92
Maximum	3,000
Minimum	0.8

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	33
	2	Tomakomai Port	29
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	16
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	82
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	20
Akita Pref.	6	Lake Hachiro	76
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	79
Fukushima Pref.	8	Onahama Port	640
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	180
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	18
Chiba Pref.	11	Coast of Ichihara and Anegasaki	260
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	12
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	620
	14	Mouth of Riv. Sumida (Minato Ward)	3,000
Yokohama City	15	Yokohama Port	1,900
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	600
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	160
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	29
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	170
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.7
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	72
Nagano Pref.	23	Lake Suwa (center)	310
Shizuoka Pref.	24	Shimizu Port	89
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	10
Aichi Pref.	26	Kinoura Port	37
	27	Nagoya Port	94
Mie Pref.	28	Yokkaichi Port	120
	29	Toba Port	170
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	54
	31	Lake Biwa (center, offshore of Karasaki)	100
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	200
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	590
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	680
	33	Mouth of Riv. Yodo (Osaka City)	810
	36	Osaka Port	1,200
	37	Outside Osaka Port	320
Hyogo Pref.	38	Offshore of Himeji	70
Kobe City	39	Kobe Port (center)	660
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	25
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	170
Okayama Pref.	42	Offshore of Mizushima	14
Hiroshima Pref.	43	Kure Port	370
	44	Hiroshima Bay	110
Yamaguchi Pref.	45	Tokuyama Bay	22
	46	Offshore of Ube	62
	47	Offshore of Hagi	8.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	46
Kagawa Pref.	49	Takamatsu Port	470
Ehime Pref.	50	Niihama Port	6.2
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	52	Dokai Bay	1,700
Fukuoka City	53	Hakata Bay	130
Saga Pref.	54	Imari Bay	150
Nagasaki Pref.	55	Omura Bay	54
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	5.4
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	2.9
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	0.8
	59	Riv. Gotanda (Ichikikushikino City)	2.5
Okinawa Pref.	60	Naha Port	530

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

[20-6] Hexachlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 53/60 (Missing value : 0)

Detection Frequency (sample) : 53/60 (Missing value : 0)

Detection limit : 0.5

Quantification limit : 1.2

	Aggregated value
Geometric mean	19
Median	28
Maximum	1,200
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.6
	2	Tomakomai Port	7.3
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	33
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.5
Akita Pref.	6	Lake Hachiro	15
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	10
Fukushima Pref.	8	Onahama Port	200
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	130
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	1.3
Chiba Pref.	11	Coast of Ichihara and Anegasaki	100
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.9
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	270
	14	Mouth of Riv. Sumida (Minato Ward)	720
Yokohama City	15	Yokohama Port	1,200
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	160
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	740
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	96
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	48
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	29
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	10
Nagano Pref.	23	Lake Suwa (center)	62
Shizuoka Pref.	24	Shimizu Port	20
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	7.6
	27	Nagoya Port	30
Mie Pref.	28	Yokkaichi Port	97
	29	Toba Port	34
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	21
	31	Lake Biwa (center, offshore of Karasaki)	34
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	24
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	100
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	150
	33	Mouth of Riv. Yodo (Osaka City)	170
	36	Osaka Port	470
	37	Outside Osaka Port	140
Hyogo Pref.	38	Offshore of Himeji	20
Kobe City	39	Kobe Port (center)	270
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3.7
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	37
Okayama Pref.	42	Offshore of Mizushima	3.8
Hiroshima Pref.	43	Kure Port	110
	44	Hiroshima Bay	28
Yamaguchi Pref.	45	Tokuyama Bay	10
	46	Offshore of Ube	15
	47	Offshore of Hagi	tr(0.5)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	7.9
Kagawa Pref.	49	Takamatsu Port	90
Ehime Pref.	50	Niihama Port	1.3
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	2.7
Kitakyushu City	52	Dokai Bay	950
Fukuoka City	53	Hakata Bay	27
Saga Pref.	54	Imari Bay	28
Nagasaki Pref.	55	Omura Bay	13
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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

[20-7] Heptachlorinated naphthalenes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 49/60 (Missing value : 0)

Detection Frequency (sample) : 49/60 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	4.1
Median	4.6
Maximum	320
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.3)
	2	Tomakomai Port	3.5
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	7.8
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	4.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	93
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	52
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	21
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(0.3)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	77
	14	Mouth of Riv. Sumida (Minato Ward)	120
Yokohama City	15	Yokohama Port	320
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	30
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	180
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	9.6
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	95
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	4.5
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.5)
Nagano Pref.	23	Lake Suwa (center)	7.8
Shizuoka Pref.	24	Shimizu Port	3.9
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	tr(0.7)
	27	Nagoya Port	5.0
Mie Pref.	28	Yokkaichi Port	49
	29	Toba Port	9.2
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	3.8
	31	Lake Biwa (center, offshore of Karasaki)	7.6
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3.3
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	13
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	25
	33	Mouth of Riv. Yodo (Osaka City)	22
	36	Osaka Port	54
	37	Outside Osaka Port	25
Hyogo Pref.	38	Offshore of Himeji	3.6
Kobe City	39	Kobe Port (center)	46
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.7
Okayama Pref.	42	Offshore of Mizushima	1.1
Hiroshima Pref.	43	Kure Port	26
	44	Hiroshima Bay	4.6
Yamaguchi Pref.	45	Tokuyama Bay	3.5
	46	Offshore of Ube	2.9
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.3
Kagawa Pref.	49	Takamatsu Port	8.1
Ehime Pref.	50	Niihama Port	2.1
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	52	Dokai Bay	320
Fukuoka City	53	Hakata Bay	5.2
Saga Pref.	54	Imari Bay	5.2
Nagasaki Pref.	55	Omura Bay	2.2
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	7.9

(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 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 : 2021

Detection Frequency (site) : 46/60 (Missing value : 0)

Detection Frequency (sample) : 46/60 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 0.9

	Aggregated value
Geometric mean	1.9
Median	1.4
Maximum	230
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	6.0
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.3
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.4
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.1
Fukushima Pref.	8	Onahama Port	70
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	8.3
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	11
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	14
	14	Mouth of Riv. Sumida (Minato Ward)	79
Yokohama City	15	Yokohama Port	140
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	4.7
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	33
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	1.1
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	230
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	1.5
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	1.8
Shizuoka Pref.	24	Shimizu Port	1.2
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinuura Port	tr(0.5)
	27	Nagoya Port	tr(0.8)
Mie Pref.	28	Yokkaichi Port	23
	29	Toba Port	5.8
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	tr(0.8)
	31	Lake Biwa (center, offshore of Karasaki)	1.5
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.7)
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	4.3
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8.2
	33	Mouth of Riv. Yodo (Osaka City)	4.4
	36	Osaka Port	13
	37	Outside Osaka Port	4.0
Hyogo Pref.	38	Offshore of Himeji	tr(0.8)
Kobe City	39	Kobe Port (center)	27
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.7
Okayama Pref.	42	Offshore of Mizushima	tr(0.6)
Hiroshima Pref.	43	Kure Port	10
	44	Hiroshima Bay	1.4
Yamaguchi Pref.	45	Tokuyama Bay	1.5
	46	Offshore of Ube	tr(0.6)
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(0.4)
Kagawa Pref.	49	Takamatsu Port	1.9
Ehime Pref.	50	Niihama Port	4.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.9
Kitakyushu City	52	Dokai Bay	45
Fukuoka City	53	Hakata Bay	1.4
Saga Pref.	54	Imari Bay	tr(0.7)
Nagasaki Pref.	55	Omura Bay	tr(0.5)
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	2.3

(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 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

[21] Hexachlorobuta-1,3-diene/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 3/60 (Missing value : 0)

Detection Frequency (sample) : 3/60 (Missing value : 0)

Detection limit : 10

Quantification limit : 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	170
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	170
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	nd
	14	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	15	Yokohama Port	nd
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	nd
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(20)
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	nd
Shizuoka Pref.	24	Shimizu Port	nd
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	nd
	27	Nagoya Port	nd
Mie Pref.	28	Yokkaichi Port	nd
	29	Toba Port	nd
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	nd
	31	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	33	Mouth of Riv. Yodo (Osaka City)	nd
	36	Osaka Port	nd
	37	Outside Osaka Port	nd
Hyogo Pref.	38	Offshore of Himeji	nd
Kobe City	39	Kobe Port (center)	nd
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	42	Offshore of Mizushima	nd
Hiroshima Pref.	43	Kure Port	nd
	44	Hiroshima Bay	nd
Yamaguchi Pref.	45	Tokuyama Bay	nd
	46	Offshore of Ube	nd
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	49	Takamatsu Port	nd
Ehime Pref.	50	Niihama Port	50
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	nd
Fukuoka City	53	Hakata Bay	nd
Saga Pref.	54	Imari Bay	nd
Nagasaki Pref.	55	Omura Bay	nd
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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) 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 : 2021

Detection Frequency (site) : 37/60 (Missing value : 0)

Detection Frequency (sample) : 37/60 (Missing value : 0)

Detection limit : *1,500

Quantification limit : *4,000

	Aggregated value
Geometric mean	tr(3,000)
Median	tr(2,400)
Maximum	52,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	16,000
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(1,500)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	14,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	tr(2,700)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	15,000
	14	Mouth of Riv. Sumida (Minato Ward)	33,000
Yokohama City	15	Yokohama Port	52,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	5,100
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	31,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(2,200)
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	tr(3,200)
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	nd
Shizuoka Pref.	24	Shimizu Port	tr(2300)
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	26	Kinoura Port	nd
	27	Nagoya Port	5,100
Mie Pref.	28	Yokkaichi Port	4,500
	29	Toba Port	30,000
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	tr(3,100)
	31	Lake Biwa (center, offshore of Karasaki)	tr(1,900)
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	38,000
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14,000
	33	Mouth of Riv. Yodo (Osaka City)	18,000
	36	Osaka Port	18,000
	37	Outside Osaka Port	14,000
Hyogo Pref.	38	Offshore of Himeji	tr(3,500)
Kobe City	39	Kobe Port (center)	19,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6,400
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(2,600)
Okayama Pref.	42	Offshore of Mizushima	tr(2,400)
Hiroshima Pref.	43	Kure Port	7,900
	44	Hiroshima Bay	tr(1,500)
Yamaguchi Pref.	45	Tokuyama Bay	tr(2,400)
	46	Offshore of Ube	tr(2,000)
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(1,900)
Kagawa Pref.	49	Takamatsu Port	13,000
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(2400)
Kitakyushu City	52	Dokai Bay	15,000
Fukuoka City	53	Hakata Bay	nd
Saga Pref.	54	Imari Bay	6,300
Nagasaki Pref.	55	Omura Bay	nd
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	30,000

(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 substance with the same number of carbons in the alkyl group.

[23-1] Chlorinated decanes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 30/60 (Missing value : 0)

Detection Frequency (sample) : 30/60 (Missing value : 0)

Detection limit : 300

Quantification limit : 800

	Aggregated value
Geometric mean	tr(400)
Median	nd
Maximum	4,300
Minimum	nd

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

(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.

(Note 4) nd : Not detected

[23-2] Chlorinated undecanes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 28/60 (Missing value : 0)

Detection Frequency (sample) : 28/60 (Missing value : 0)

Detection limit : 400

Quantification limit : 1,200

	Aggregated value
Geometric mean	tr(500)
Median	nd
Maximum	7,000
Minimum	nd

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

(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

[23-3] Chlorinated dodecanes/sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 44/60 (Missing value : 0)

Detection Frequency (sample) : 44/60 (Missing value : 0)

Detection limit : 400

Quantification limit : 1,000

	Aggregated value
Geometric mean	tr(900)
Median	tr(800)
Maximum	12,000
Minimum	nd

Local communities	No.	Monitored sites	Aggregated value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	3,400
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(900)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	4,100
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	tr(800)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(500)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	4,000
	14	Mouth of Riv. Sumida (Minato Ward)	8,300
Yokohama City	15	Yokohama Port	11,000
Kawasaki City	16	Mouth of Riv. Tama (Kawasaki City)	1,300
	17	Front of Ougi Town, Keihin Canal, Port of Kawasaki	12,000
Niigata Pref.	18	Lower Riv. Shinano (Niigata City)	tr(400)
Toyama Pref.	19	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1,000
Ishikawa Pref.	20	Mouth of Riv. Sai (Kanazawa City)	tr(800)
Fukui Pref.	21	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	22	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	23	Lake Suwa (center)	nd
Shizuoka Pref.	24	Shimizu Port	tr(900)
	25	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(400)
Aichi Pref.	26	Kinuura Port	tr(500)
	27	Nagoya Port	1,100
Mie Pref.	28	Yokkaichi Port	tr(900)
	29	Toba Port	9,900
Shiga Pref.	30	Lake Biwa (center, offshore of Minamihira)	tr(600)
	31	Lake Biwa (center, offshore of Karasaki)	tr(700)
Kyoto City	35	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	34	Mouth of Riv. Yamato (Sakai City)	11,000
Osaka City	32	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	3,800
	33	Mouth of Riv. Yodo (Osaka City)	3,600
	36	Osaka Port	5,300
	37	Outside Osaka Port	2,600
Hyogo Pref.	38	Offshore of Himeji	tr(500)
Kobe City	39	Kobe Port (center)	5,900
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2,000
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(700)
Okayama Pref.	42	Offshore of Mizushima	tr(900)
Hiroshima Pref.	43	Kure Port	3,000
	44	Hiroshima Bay	tr(600)
Yamaguchi Pref.	45	Tokuyama Bay	1,000
	46	Offshore of Ube	tr(900)
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(500)
Kagawa Pref.	49	Takamatsu Port	3,200
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(500)
Kitakyushu City	52	Dokai Bay	4,000
Fukuoka City	53	Hakata Bay	tr(400)
Saga Pref.	54	Imari Bay	2,700
Nagasaki Pref.	55	Omura Bay	tr(700)
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(400)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	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) 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 : 2021

Detection Frequency (site) : 47/60 (Missing value : 0)

Detection Frequency (sample) : 47/60 (Missing value : 0)

Detection limit : 400

Quantification limit : 1,000

	Aggregated value
Geometric mean	1,200
Median	1,000
Maximum	31,000
Minimum	nd

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

[25] Perfluorohexane sulfonic acid (PFHxS) /sediment (pg/g-dry)

Monitored year : 2021

Detection Frequency (site) : 19/60 (Missing value : 0)

Detection Frequency (sample) : 19/60 (Missing value : 0)

Detection limit : 3

Quantification limit : 6

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	15
Minimum	nd

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

[1] Total Polychlorinated biphenyls (Total PCBs)/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 60/60 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : *10

Quantification limit : *7.8

	Aggregated value
Geometric mean	12,000
Median	13,000
Maximum	210,000
Minimum	490

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	1,500	13,000	150,000
Median	980	16,000	---
Maximum	7,200	130,000	210,000
Minimum	490	800	110,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	980
	Yokohama City	2	Yokohama Port	Green mussel	7,200
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	490
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	800
		2		Chum salmon	1,400
	Iwate Pref.	3	Yamada Bay	Greenling	13,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7,100
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	6,900
	Tokyo Met.	6	Tokyo Bay	Sea bass	81,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	61,000
	Nagoya City	8	Nagoya Port	Striped mullet	21,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	18,000
	Osaka Pref.	10	Osaka Bay	Sea bass	110,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	130,000
	Tottori Pref.	12	Nakaumi	Sea bass	8,700
	Hiroshima City	13	Hiroshima Bay	Sea bass	29,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	87,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	870
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	36,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	4,800
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	1,400
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	210,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	110,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25,000,000
				Egg of Great Cormorant (Egg white)	50,000

(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 congeners.

[1-1] Monochlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 16/23 (Missing value : 0)

Detection Frequency (sample) : 16/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.2

	Aggregated value
Geometric mean	tr(1.9)
Median	tr(1.5)
Maximum	16
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	14/18	0/2
Detection Frequency (sample)	2/3	14/18	0/2
Geometric mean	tr(1.8)	2.3	nd
Median	tr(0.9)	tr(1.8)	---
Maximum	16	14	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	Green mussel	16
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.9)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(1.0)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(1.1)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(1.4)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(1.5)
	Tokyo Met.	6	Tokyo Bay	Sea bass	9.5
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	6.5
	Nagoya City	8	Nagoya Port	Striped mullet	10
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(1.5)
	Osaka Pref.	10	Osaka Bay	Sea bass	14
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	5.4
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	2.2
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	12
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	6.6
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5.3
				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 : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	34
Median	24
Maximum	500
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/2
Detection Frequency (sample)	3/3	18/18	1/2
Geometric mean	37	46	tr(2)
Median	24	36	---
Maximum	170	500	tr(4)
Minimum	12	tr(3)	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	24
	Yokohama City	2	Yokohama Port	Green mussel	170
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	12
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	7
		2		Chum salmon	21
	Iwate Pref.	3	Yamada Bay	Greenling	30
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	24
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	24
	Tokyo Met.	6	Tokyo Bay	Sea bass	430
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	290
	Nagoya City	8	Nagoya Port	Striped mullet	390
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	9
	Osaka Pref.	10	Osaka Bay	Sea bass	500
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	190
	Tottori Pref.	12	Nakaumi	Sea bass	15
	Hiroshima City	13	Hiroshima Bay	Sea bass	68
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	210
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	5
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	41
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	68
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(3)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	tr(4)
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	120
				Egg of Great Cormorant (Egg white)	tr(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

[1-3] Trichlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	460
Median	310
Maximum	9,500
Minimum	10

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	110	490	2,100
Median	50	280	---
Maximum	1,100	9,500	3,500
Minimum	25	10	1,300

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	50
	Yokohama City	2	Yokohama Port	Green mussel	1,100
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	25
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	40
		2		Chum salmon	120
	Iwate Pref.	3	Yamada Bay	Greenling	310
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	200
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	240
	Tokyo Met.	6	Tokyo Bay	Sea bass	9,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	7,700
	Nagoya City	8	Nagoya Port	Striped mullet	4,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	190
	Osaka Pref.	10	Osaka Bay	Sea bass	9,300
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	5,400
	Tottori Pref.	12	Nakaumi	Sea bass	140
	Hiroshima City	13	Hiroshima Bay	Sea bass	590
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	8,100
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	22
Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	470	
Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	200	
Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	10	
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	3,500
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	1,300
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200,000
				Egg of Great Cormorant (Egg white)	4,900

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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] Tetrachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	1,600
Median	2,000
Maximum	28,000
Minimum	37

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	250	1,700	9,100
Median	110	1,500	---
Maximum	2,300	28,000	15,000
Minimum	61	37	5,500

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	110
	Yokohama City	2	Yokohama Port	Green mussel	2,300
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	61
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	92
		2		Chum salmon	290
	Iwate Pref.	3	Yamada Bay	Greenling	890
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	780
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	970
	Tokyo Met.	6	Tokyo Bay	Sea bass	28,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	22,000
	Nagoya City	8	Nagoya Port	Striped mullet	7,200
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	2,000
	Osaka Pref.	10	Osaka Bay	Sea bass	26,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	25,000
	Tottori Pref.	12	Nakaumi	Sea bass	820
	Hiroshima City	13	Hiroshima Bay	Sea bass	2,400
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	16,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	93
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	3,200
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	600
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	37
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	15,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	5,500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,100,000
				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.

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

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.6

	Aggregated value
Geometric mean	10
Median	10
Maximum	110
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	2/2
Detection Frequency (sample)	3/3	17/18	2/2
Geometric mean	4.3	11	22
Median	2.6	10	---
Maximum	13	110	60
Minimum	2.3	nd	7.9

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	2.3
	Yokohama City	2	Yokohama Port	Green mussel	13
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.6
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.3)
		2		Chum salmon	1.6
	Iwate Pref.	3	Yamada Bay	Greenling	10
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.6
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	7.1
	Tokyo Met.	6	Tokyo Bay	Sea bass	79
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	68
	Nagoya City	8	Nagoya Port	Striped mullet	24
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	35
	Osaka Pref.	10	Osaka Bay	Sea bass	110
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	63
	Tottori Pref.	12	Nakaumi	Sea bass	4.2
	Hiroshima City	13	Hiroshima Bay	Sea bass	11
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	90
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.4)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	18
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	7.1
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	60
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	7.9
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	500
				Egg of Great Cormorant (Egg white)	tr(1.4)

(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

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

Monitored year : 2021

Detection Frequency (site) : 14/23 (Missing value : 0)

Detection Frequency (sample) : 14/23 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	tr(1.2)
Median	tr(0.7)
Maximum	37
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	11/18	2/2
Detection Frequency (sample)	1/3	11/18	2/2
Geometric mean	nd	tr(1.0)	24
Median	nd	tr(0.7)	---
Maximum	tr(0.8)	12	37
Minimum	nd	nd	16

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(0.8)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(0.7)
	Tokyo Met.	6	Tokyo Bay	Sea bass	2.3
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2.7
	Nagoya City	8	Nagoya Port	Striped mullet	2.1
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	3.7
	Osaka Pref.	10	Osaka Bay	Sea bass	5.3
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	3.8
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(0.8)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	12
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(0.7)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	tr(0.7)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	37
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	16
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,600
				Egg of Great Cormorant (Egg white)	2.7

(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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	3,000
Median	2,800
Maximum	51,000
Minimum	120

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	380	3,200	33,000
Median	250	4,000	---
Maximum	1,800	34,000	51,000
Minimum	120	120	22,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	250
	Yokohama City	2	Yokohama Port	Green mussel	1,800
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	120
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	210
		2		Chum salmon	440
	Iwate Pref.	3	Yamada Bay	Greenling	2,300
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2,000
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	2,200
	Tokyo Met.	6	Tokyo Bay	Sea bass	24,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	18,000
	Nagoya City	8	Nagoya Port	Striped mullet	5,200
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	7,000
	Osaka Pref.	10	Osaka Bay	Sea bass	34,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	33,000
	Tottori Pref.	12	Nakaumi	Sea bass	2,800
	Hiroshima City	13	Hiroshima Bay	Sea bass	6,100
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	14,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	210
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	7,700
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	1,400
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	120
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	51,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	22,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	6,400,000
				Egg of Great Cormorant (Egg white)	15,000

(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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2

	Aggregated value
Geometric mean	150
Median	160
Maximum	5,300
Minimum	5.2

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	17	150	3,900
Median	11	180	---
Maximum	87	1,100	5,300
Minimum	5.2	13	2,800

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	11
	Yokohama City	2	Yokohama Port	Green mussel	87
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	5.2
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	18
		2		Chum salmon	17
	Iwate Pref.	3	Yamada Bay	Greenling	160
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	120
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	110
	Tokyo Met.	6	Tokyo Bay	Sea bass	660
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	610
	Nagoya City	8	Nagoya Port	Striped mullet	260
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	450
	Osaka Pref.	10	Osaka Bay	Sea bass	1,100
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,100
	Tottori Pref.	12	Nakaumi	Sea bass	110
	Hiroshima City	13	Hiroshima Bay	Sea bass	190
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	740
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	14
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	250
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	100
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	13
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	5,300
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	2,800
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	530,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	20
Median	24
Maximum	700
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	18/18	2/2
Detection Frequency (sample)	2/3	18/18	2/2
Geometric mean	tr(1.7)	21	540
Median	tr(1.6)	24	---
Maximum	7.7	200	700
Minimum	nd	tr(1.3)	410

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.6)
	Yokohama City	2	Yokohama Port	Green mussel	7.7
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.1
		2		Chum salmon	2.3
	Iwate Pref.	3	Yamada Bay	Greenling	25
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	16
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	15
	Tokyo Met.	6	Tokyo Bay	Sea bass	66
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	65
	Nagoya City	8	Nagoya Port	Striped mullet	24
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	38
	Osaka Pref.	10	Osaka Bay	Sea bass	140
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	200
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	57
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	110
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.3)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	64
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	13
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1.5)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	700
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	410
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	69,000
				Egg of Great Cormorant (Egg white)	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

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

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	540
Median	480
Maximum	20,000
Minimum	26

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	63	540	14,000
Median	35	640	---
Maximum	280	5,000	20,000
Minimum	26	36	9,700

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	35
	Yokohama City	2	Yokohama Port	Green mussel	280
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	26
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	50
		2		Chum salmon	59
	Iwate Pref.	3	Yamada Bay	Greenling	480
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	450
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	400
	Tokyo Met.	6	Tokyo Bay	Sea bass	3,200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,800
	Nagoya City	8	Nagoya Port	Striped mullet	800
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	1,200
	Osaka Pref.	10	Osaka Bay	Sea bass	4,500
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	5,000
	Tottori Pref.	12	Nakaumi	Sea bass	420
	Hiroshima City	13	Hiroshima Bay	Sea bass	830
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	2,200
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	36
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	1,100
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	250
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	39
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	20,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	9,700
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,900,000
				Egg of Great Cormorant (Egg white)	5,000

(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.

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

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	9.7
Median	10
Maximum	370
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	18/18	2/2
Detection Frequency (sample)	2/3	18/18	2/2
Geometric mean	tr(0.9)	9.9	270
Median	tr(0.7)	12	---
Maximum	4.0	73	370
Minimum	nd	tr(0.6)	200

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(0.7)
	Yokohama City	2	Yokohama Port	Green mussel	4.0
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.6)
		2		Chum salmon	tr(1.3)
	Iwate Pref.	3	Yamada Bay	Greenling	10
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	7.6
	Tokyo Met.	6	Tokyo Bay	Sea bass	43
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	36
	Nagoya City	8	Nagoya Port	Striped mullet	17
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	23
	Osaka Pref.	10	Osaka Bay	Sea bass	73
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	71
	Tottori Pref.	12	Nakaumi	Sea bass	7.1
	Hiroshima City	13	Hiroshima Bay	Sea bass	15
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	54
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.3)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	19
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	5.8
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(0.7)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	370
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	38,000
				Egg of Great Cormorant (Egg white)	64

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 21/23 (Missing value : 0)

Detection Frequency (sample) : 21/23 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.7

	Aggregated value
Geometric mean	5.5
Median	6.4
Maximum	110
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/18	2/2
Detection Frequency (sample)	3/3	16/18	2/2
Geometric mean	tr(1.2)	5.2	88
Median	tr(1.3)	8.1	---
Maximum	1.9	25	110
Minimum	tr(0.7)	nd	70

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.3)
	Yokohama City	2	Yokohama Port	Green mussel	1.9
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.7)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	6.4
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	9.8
	Tokyo Met.	6	Tokyo Bay	Sea bass	23
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	14
	Nagoya City	8	Nagoya Port	Striped mullet	5.3
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	24
	Osaka Pref.	10	Osaka Bay	Sea bass	25
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	23
	Tottori Pref.	12	Nakaumi	Sea bass	2.8
	Hiroshima City	13	Hiroshima Bay	Sea bass	12
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	13
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(0.7)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	23
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.8
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(0.7)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	110
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	70
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,100
				Egg of Great Cormorant (Egg white)	4.0

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	3,900
Median	3,700
Maximum	100,000
Minimum	210

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	490	4,000	72,000
Median	400	4,600	---
Maximum	1,400	41,000	100,000
Minimum	210	310	52,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	400
	Yokohama City	2	Yokohama Port	Green mussel	1,400
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	210
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	310
		2		Chum salmon	370
	Iwate Pref.	3	Yamada Bay	Greenling	5,400
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2,900
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	2,500
	Tokyo Met.	6	Tokyo Bay	Sea bass	15,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	10,000
	Nagoya City	8	Nagoya Port	Striped mullet	3,200
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	6,900
	Osaka Pref.	10	Osaka Bay	Sea bass	27,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	41,000
	Tottori Pref.	12	Nakaumi	Sea bass	3,700
	Hiroshima City	13	Hiroshima Bay	Sea bass	13,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	24,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	360
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	15,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	1,700
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	410
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	100,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	52,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	10,000,000
				Egg of Great Cormorant (Egg white)	15,000

(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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	56
Median	69
Maximum	2,400
Minimum	2.3

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	4.7	57	2,100
Median	4.1	71	---
Maximum	11	480	2,400
Minimum	2.3	3.5	1,800

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	4.1
	Yokohama City	2	Yokohama Port	Green mussel	11
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.3
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	4.3
		2		Chum salmon	3.5
	Iwate Pref.	3	Yamada Bay	Greenling	73
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	40
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	37
	Tokyo Met.	6	Tokyo Bay	Sea bass	230
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	160
	Nagoya City	8	Nagoya Port	Striped mullet	69
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	140
	Osaka Pref.	10	Osaka Bay	Sea bass	420
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	480
	Tottori Pref.	12	Nakaumi	Sea bass	42
	Hiroshima City	13	Hiroshima Bay	Sea bass	100
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	270
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	9.2
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	130
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	31
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	7.4
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	2,400
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	1,800
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	340,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	15
Median	17
Maximum	590
Minimum	tr(1.0)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	tr(1.6)	15	530
Median	tr(1.0)	19	---
Maximum	4.4	110	590
Minimum	tr(1.0)	tr(1.3)	470

	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	Green mussel	4.4
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(1.0)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.0
		2		Chum salmon	tr(1.3)
	Iwate Pref.	3	Yamada Bay	Greenling	21
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	14
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	11
	Tokyo Met.	6	Tokyo Bay	Sea bass	48
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	39
	Nagoya City	8	Nagoya Port	Striped mullet	17
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	35
	Osaka Pref.	10	Osaka Bay	Sea bass	86
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	110
	Tottori Pref.	12	Nakaumi	Sea bass	11
	Hiroshima City	13	Hiroshima Bay	Sea bass	27
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	53
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	1.8
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	34
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	9.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	1.8
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	590
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	470
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	69,000
				Egg of Great Cormorant (Egg white)	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.

(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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	33
Median	37
Maximum	1,400
Minimum	tr(1.7)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	3.8	33	1,100
Median	2.7	38	---
Maximum	12	250	1,400
Minimum	tr(1.7)	2.1	900

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	2.7
	Yokohama City	2	Yokohama Port	Green mussel	12
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(1.7)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.1
		2		Chum salmon	2.1
	Iwate Pref.	3	Yamada Bay	Greenling	38
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	27
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	24
	Tokyo Met.	6	Tokyo Bay	Sea bass	130
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	88
	Nagoya City	8	Nagoya Port	Striped mullet	37
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	75
	Osaka Pref.	10	Osaka Bay	Sea bass	220
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	250
	Tottori Pref.	12	Nakaumi	Sea bass	25
	Hiroshima City	13	Hiroshima Bay	Sea bass	75
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	150
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	3.0
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	95
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	20
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	5.4
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	1,400
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	900
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	160,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2021

Detection Frequency (site) : 8/23 (Missing value : 0)

Detection Frequency (sample) : 8/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	18
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	6/18	2/2
Detection Frequency (sample)	0/3	6/18	2/2
Geometric mean	nd	nd	17
Median	nd	nd	---
Maximum	nd	tr(1.6)	18
Minimum	nd	nd	17

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	tr(1.0)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(0.9)
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(0.8)
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(1.0)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	tr(1.3)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1.6)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	18
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	17
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	230
				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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	1,500
Median	1,100
Maximum	37,000
Minimum	56

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	140	1,600	29,000
Median	140	1,200	---
Maximum	380	19,000	37,000
Minimum	56	100	22,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	140
	Yokohama City	2	Yokohama Port	Green mussel	380
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	56
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	120
		2		Chum salmon	100
	Iwate Pref.	3	Yamada Bay	Greenling	3,400
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1,000
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	780
	Tokyo Met.	6	Tokyo Bay	Sea bass	3,400
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,400
	Nagoya City	8	Nagoya Port	Striped mullet	890
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	1,400
	Osaka Pref.	10	Osaka Bay	Sea bass	8,900
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	19,000
	Tottori Pref.	12	Nakaumi	Sea bass	1,100
	Hiroshima City	13	Hiroshima Bay	Sea bass	6,100
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	19,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	150
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	8,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	660
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	550
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	37,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	22,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,400,000
				Egg of Great Cormorant (Egg white)	4,000

(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.

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

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.2

	Aggregated value
Geometric mean	110
Median	99
Maximum	4,600
Minimum	tr(1.9)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	4.3	130	3,700
Median	2.6	140	---
Maximum	16	1,800	4,600
Minimum	tr(1.9)	6.8	2,900

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	2.6
	Yokohama City	2	Yokohama Port	Green mussel	16
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(1.9)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	12
		2		Chum salmon	6.8
	Iwate Pref.	3	Yamada Bay	Greenling	370
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	78
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	65
	Tokyo Met.	6	Tokyo Bay	Sea bass	300
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	200
	Nagoya City	8	Nagoya Port	Striped mullet	99
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	190
	Osaka Pref.	10	Osaka Bay	Sea bass	730
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,200
	Tottori Pref.	12	Nakaumi	Sea bass	65
	Hiroshima City	13	Hiroshima Bay	Sea bass	380
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,800
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	16
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	460
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	58
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	39
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	4,600
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	2,900
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	490,000
				Egg of Great Cormorant (Egg white)	610

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.2

	Aggregated value
Geometric mean	340
Median	250
Maximum	11,000
Minimum	6.1

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	18	390	8,800
Median	17	280	---
Maximum	56	5,200	11,000
Minimum	6.1	18	7,100

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	17
	Yokohama City	2	Yokohama Port	Green mussel	56
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	6.1
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	34
		2		Chum salmon	18
	Iwate Pref.	3	Yamada Bay	Greenling	860
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	250
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	200
	Tokyo Met.	6	Tokyo Bay	Sea bass	870
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	630
	Nagoya City	8	Nagoya Port	Striped mullet	240
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	310
	Osaka Pref.	10	Osaka Bay	Sea bass	2,200
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	4,800
	Tottori Pref.	12	Nakaumi	Sea bass	210
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,200
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	5,200
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	1,500
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	180
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	210
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	11,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	7,100
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200,000
				Egg of Great Cormorant (Egg white)	1,100

(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.

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

Monitored year : 2021

Detection Frequency (site) : 20/23 (Missing value : 0)

Detection Frequency (sample) : 20/23 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	6.8
Median	7.0
Maximum	240
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	17/18	2/2
Detection Frequency (sample)	1/3	17/18	2/2
Geometric mean	nd	7.1	210
Median	nd	8.4	---
Maximum	tr(1.1)	58	240
Minimum	nd	nd	190

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(1.1)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.8)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	17
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	7.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	13
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	9.7
	Nagoya City	8	Nagoya Port	Striped mullet	4.6
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	15
	Osaka Pref.	10	Osaka Bay	Sea bass	31
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	57
	Tottori Pref.	12	Nakaumi	Sea bass	3.1
	Hiroshima City	13	Hiroshima Bay	Sea bass	19
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	58
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.6)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	24
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.9
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1.8)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	240
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	190
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	24,000
				Egg of Great Cormorant (Egg white)	16

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	210
Median	200
Maximum	6,400
Minimum	3

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	7	260	5,100
Median	8	200	---
Maximum	15	5,000	6,400
Minimum	3	10	4,100

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	15
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	3
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	20
		2		Chum salmon	10
	Iwate Pref.	3	Yamada Bay	Greenling	830
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	180
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	120
	Tokyo Met.	6	Tokyo Bay	Sea bass	450
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	270
	Nagoya City	8	Nagoya Port	Striped mullet	150
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	210
	Osaka Pref.	10	Osaka Bay	Sea bass	1,200
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,900
	Tottori Pref.	12	Nakaumi	Sea bass	140
	Hiroshima City	13	Hiroshima Bay	Sea bass	990
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	5,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	27
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	1,100
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	120
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	200
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	6,400
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	4,100
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	530,000
				Egg of Great Cormorant (Egg white)	440

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number 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 : 2021

Detection Frequency (site) : 21/23 (Missing value : 0)

Detection Frequency (sample) : 21/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	20
Median	27
Maximum	660
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	18/18	2/2
Detection Frequency (sample)	1/3	18/18	2/2
Geometric mean	nd	24	570
Median	nd	29	---
Maximum	tr(1)	330	660
Minimum	nd	tr(1)	490

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(1)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(2)
		2		Chum salmon	tr(1)
	Iwate Pref.	3	Yamada Bay	Greenling	58
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	20
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	22
	Tokyo Met.	6	Tokyo Bay	Sea bass	53
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	27
	Nagoya City	8	Nagoya Port	Striped mullet	23
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	31
	Osaka Pref.	10	Osaka Bay	Sea bass	81
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	150
	Tottori Pref.	12	Nakaumi	Sea bass	8
	Hiroshima City	13	Hiroshima Bay	Sea bass	72
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	330
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	3
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	66
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	11
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	31
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	660
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	490
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	29,000
				Egg of Great Cormorant (Egg white)	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

[1-10] Decachlorobiphenyl/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 21/23 (Missing value : 0)

Detection Frequency (sample) : 21/23 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.6

	Aggregated value
Geometric mean	7.1
Median	12
Maximum	200
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	18/18	2/2
Detection Frequency (sample)	1/3	18/18	2/2
Geometric mean	tr(0.7)	7.4	170
Median	nd	12	---
Maximum	3.7	29	200
Minimum	nd	tr(0.6)	140

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	3.7
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.7)
		2		Chum salmon	tr(0.6)
	Iwate Pref.	3	Yamada Bay	Greenling	12
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	12
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	19
	Tokyo Met.	6	Tokyo Bay	Sea bass	28
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	14
	Nagoya City	8	Nagoya Port	Striped mullet	8.1
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	11
	Osaka Pref.	10	Osaka Bay	Sea bass	14
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	17
	Tottori Pref.	12	Nakaumi	Sea bass	4.0
	Hiroshima City	13	Hiroshima Bay	Sea bass	19
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	29
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.1)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	18
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	4.0
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	2.7
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	140
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	16,000
				Egg of Great Cormorant (Egg white)	4.8

(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

[2] HCB (Hexachlorobenzene) /wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	150
Median	130
Maximum	4,200
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	11	160	3,400
Median	26	160	---
Maximum	26	950	4,200
Minimum	tr(2)	24	2,800

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	26
	Yokohama City	2	Yokohama Port	Green mussel	tr(2)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	26
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	200
		2		Chum salmon	880
	Iwate Pref.	3	Yamada Bay	Greenling	410
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	82
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	950
	Tokyo Met.	6	Tokyo Bay	Sea bass	460
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	280
	Nagoya City	8	Nagoya Port	Striped mullet	79
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	600
	Osaka Pref.	10	Osaka Bay	Sea bass	130
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	81
	Tottori Pref.	12	Nakaumi	Sea bass	24
	Hiroshima City	13	Hiroshima Bay	Sea bass	82
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	220
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	200
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	91
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	33
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	4,200
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	2,800
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	54,000
				Egg of Great Cormorant (Egg white)	130

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

[6-1] *p,p'*-DDT/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	110
Median	140
Maximum	1,500
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	2/2
Detection Frequency (sample)	3/3	17/18	2/2
Geometric mean	70	120	59
Median	29	170	---
Maximum	420	1,500	120
Minimum	28	nd	29

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	29
	Yokohama City	2	Yokohama Port	Green mussel	420
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	28
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	17
		2		Chum salmon	44
	Iwate Pref.	3	Yamada Bay	Greenling	330
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	110
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	500
	Tokyo Met.	6	Tokyo Bay	Sea bass	200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	140
	Nagoya City	8	Nagoya Port	Striped mullet	200
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	280
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	66
	Tottori Pref.	12	Nakaumi	Sea bass	140
	Hiroshima City	13	Hiroshima Bay	Sea bass	300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,500
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	70
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	270
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	230
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	100
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	120
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	29
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,100
				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) nd : Not detected

[6-2] *p,p'*-DDE/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	2,100
Median	2,300
Maximum	100,000
Minimum	88

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	240	2,000	80,000
Median	160	2,600	---
Maximum	960	8,500	100,000
Minimum	88	230	64,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	160
	Yokohama City	2	Yokohama Port	Green mussel	960
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	88
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	320
		2		Chum salmon	550
	Iwate Pref.	3	Yamada Bay	Greenling	3,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1,200
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	2,300
	Tokyo Met.	6	Tokyo Bay	Sea bass	8,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	6,500
	Nagoya City	8	Nagoya Port	Striped mullet	1,300
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	5,900
	Osaka Pref.	10	Osaka Bay	Sea bass	4,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	4,600
	Tottori Pref.	12	Nakaumi	Sea bass	1,800
	Hiroshima City	13	Hiroshima Bay	Sea bass	3,100
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	5,300
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	230
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	3,100
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	1,600
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	610
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	64,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	100,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,600,000
				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.

[6-3] *p,p'*-DDD/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.2

	Aggregated value
Geometric mean	250
Median	330
Maximum	2,700
Minimum	5.2

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	69	320	130
Median	75	390	---
Maximum	840	2,700	140
Minimum	5.2	26	120

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	75
	Yokohama City	2	Yokohama Port	Green mussel	840
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	5.2
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	40
		2		Chum salmon	150
	Iwate Pref.	3	Yamada Bay	Greenling	330
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	110
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	490
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	750
	Nagoya City	8	Nagoya Port	Striped mullet	350
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	1,000
	Osaka Pref.	10	Osaka Bay	Sea bass	830
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,200
	Tottori Pref.	12	Nakaumi	Sea bass	270
	Hiroshima City	13	Hiroshima Bay	Sea bass	440
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	2,700
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	26
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	430
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	220
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	74
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	140
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	120
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	460
				Egg of Great Cormorant (Egg white)	2.3

(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 samples).

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

[6-4] *o,p'*-DDT/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	18
Median	26
Maximum	93
Minimum	tr(1)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	20	24	tr(2)
Median	10	32	---
Maximum	93	70	3
Minimum	8	tr(1)	tr(1)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	93
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	10
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	3
		2		Chum salmon	38
	Iwate Pref.	3	Yamada Bay	Greenling	60
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	58
	Tokyo Met.	6	Tokyo Bay	Sea bass	35
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	28
	Nagoya City	8	Nagoya Port	Striped mullet	22
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	61
	Osaka Pref.	10	Osaka Bay	Sea bass	70
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	19
	Tottori Pref.	12	Nakaumi	Sea bass	20
	Hiroshima City	13	Hiroshima Bay	Sea bass	51
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	26
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	12
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	54
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	50
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	3
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(1)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25
				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.

[6-5] *o,p'*-DDE/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	21
Median	22
Maximum	1,600
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	2/2
Detection Frequency (sample)	3/3	17/18	2/2
Geometric mean	12	32	tr(1)
Median	8	32	---
Maximum	110	1,600	tr(1)
Minimum	tr(2)	nd	tr(1)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	110
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	4
		2		Chum salmon	14
	Iwate Pref.	3	Yamada Bay	Greenling	48
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	14
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,600
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	1,500
	Nagoya City	8	Nagoya Port	Striped mullet	34
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	20
	Osaka Pref.	10	Osaka Bay	Sea bass	230
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	150
	Tottori Pref.	12	Nakaumi	Sea bass	31
	Hiroshima City	13	Hiroshima Bay	Sea bass	42
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	64
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(2)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	47
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	22
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	tr(1)
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(1)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	19
				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 3) nd : Not detected

[6-6] *o,p'*-DDD/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	32
Median	44
Maximum	760
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	2/2
Detection Frequency (sample)	3/3	17/18	2/2
Geometric mean	33	39	6
Median	23	58	---
Maximum	760	380	8
Minimum	tr(2)	nd	tr(4)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	23
	Yokohama City	2	Yokohama Port	Green mussel	760
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	5
		2		Chum salmon	66
	Iwate Pref.	3	Yamada Bay	Greenling	90
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	20
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(4)
	Tokyo Met.	6	Tokyo Bay	Sea bass	250
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	200
	Nagoya City	8	Nagoya Port	Striped mullet	42
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	65
	Osaka Pref.	10	Osaka Bay	Sea bass	320
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	380
	Tottori Pref.	12	Nakaumi	Sea bass	44
	Hiroshima City	13	Hiroshima Bay	Sea bass	64
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	67
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(3)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	52
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	35
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	8
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(4)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	48
				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

[15] Perfluorooctane sulfonic acid (PFOS) /wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	88
Median	150
Maximum	15,000
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	14	81	3,000
Median	5	130	---
Maximum	250	4,500	15,000
Minimum	tr(2)	tr(2)	590

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(2)
	Yokohama City	2	Yokohama Port	Green mussel	250
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	5
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(4)
		2		Chum salmon	tr(2)
	Iwate Pref.	3	Yamada Bay	Greenling	7
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	27
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	57
	Tokyo Met.	6	Tokyo Bay	Sea bass	330
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	300
	Nagoya City	8	Nagoya Port	Striped mullet	44
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	4,500
	Osaka Pref.	10	Osaka Bay	Sea bass	350
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	150
	Tottori Pref.	12	Nakaumi	Sea bass	340
	Hiroshima City	13	Hiroshima Bay	Sea bass	150
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	180
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	110
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	690
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	55
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	7
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	15,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	590
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	40,000
				Egg of Great Cormorant (Egg white)	260

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

[16] Perfluorooctanoic acid (PFOA) /wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 18/23 (Missing value : 0)

Detection Frequency (sample) : 18/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	tr(5)
Median	tr(4)
Maximum	410
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	14/18	2/2
Detection Frequency (sample)	2/3	14/18	2/2
Geometric mean	6	tr(4)	140
Median	11	tr(3)	---
Maximum	16	40	410
Minimum	nd	nd	46

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	16
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	11
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(4)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	16
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	32
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	8
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(4)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(5)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(4)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(40)
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(2)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(2)
	Tottori Pref.	12	Nakaumi	Sea bass	tr(2)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(3)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(2)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	tr(3)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	410
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	46
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,200
				Egg of Great Cormorant (Egg white)	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

[17] Pentachlorobenzene/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 21/23 (Missing value : 0)

Detection Frequency (sample) : 21/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	24
Median	27
Maximum	470
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/18	2/2
Detection Frequency (sample)	3/3	16/18	2/2
Geometric mean	9	21	380
Median	11	33	---
Maximum	15	150	470
Minimum	4	nd	300

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	4
	Yokohama City	2	Yokohama Port	Green mussel	11
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	15
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	18
		2		Chum salmon	67
	Iwate Pref.	3	Yamada Bay	Greenling	49
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	90
	Tokyo Met.	6	Tokyo Bay	Sea bass	150
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	82
	Nagoya City	8	Nagoya Port	Striped mullet	110
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	56
	Osaka Pref.	10	Osaka Bay	Sea bass	27
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	12
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	12
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	49
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	39
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	10
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	8
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	470
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	300
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	15,000
				Egg of Great Cormorant (Egg white)	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) nd : Not detected

[18] Endosulfans/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 0/23 (Missing value : 0)

Detection Frequency (sample) : 0/23 (Missing value : 0)

Detection limit : *30

Quantification limit : *80

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/2
Detection Frequency (sample)	0/3	0/18	0/2
Geometric mean	nd	nd	nd
Median	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	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya 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

(Note 4) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[18-1] α -Endosulfan/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 0/23 (Missing value : 0)

Detection Frequency (sample) : 0/23 (Missing value : 0)

Detection limit : 20

Quantification limit : 60

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/2
Detection Frequency (sample)	0/3	0/18	0/2
Geometric mean	nd	nd	nd
Median	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	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya 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

[18-2] β -Endosulfan/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 0/23 (Missing value : 0)

Detection Frequency (sample) : 0/23 (Missing value : 0)

Detection limit : 6

Quantification limit : 18

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/2
Detection Frequency (sample)	0/3	0/18	0/2
Geometric mean	nd	nd	nd
Median	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	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(7)
				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

[20] Total Polychlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 22/23 (Missing value : 0)

Detection Frequency (sample) : 22/23 (Missing value : 0)

Detection limit : *13

Quantification limit : *37

	Aggregated value
Geometric mean	74
Median	85
Maximum	600
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	18/18	2/2
Detection Frequency (sample)	2/3	18/18	2/2
Geometric mean	62	66	290
Median	60	74	---
Maximum	600	360	330
Minimum	nd	tr(14)	250

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	60
	Yokohama City	2	Yokohama Port	Green mussel	600
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(14)
		2		Chum salmon	tr(23)
	Iwate Pref.	3	Yamada Bay	Greenling	94
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	37
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	85
	Tokyo Met.	6	Tokyo Bay	Sea bass	300
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	230
	Nagoya City	8	Nagoya Port	Striped mullet	120
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	93
	Osaka Pref.	10	Osaka Bay	Sea bass	360
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	99
	Tottori Pref.	12	Nakaumi	Sea bass	tr(19)
	Hiroshima City	13	Hiroshima Bay	Sea bass	53
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	200
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(17)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	63
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	41
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(23)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	330
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	250
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25,000
				Egg of Great Cormorant (Egg white)	38

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

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

[20-1] Monochlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 15/23 (Missing value : 0)

Detection Frequency (sample) : 15/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	tr(4)
Median	6
Maximum	120
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	12/18	0/2
Detection Frequency (sample)	3/3	12/18	0/2
Geometric mean	9	tr(4)	nd
Median	8	6	---
Maximum	33	120	nd
Minimum	tr(3)	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	33
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(3)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	6
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	8
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(5)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	7
	Tokyo Met.	6	Tokyo Bay	Sea bass	7
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	9
	Nagoya City	8	Nagoya Port	Striped mullet	11
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	120
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	18
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	12
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(2)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	10
				Egg of Great Cormorant (Egg white)	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

[20-2] Dichlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 15/23 (Missing value : 0)

Detection Frequency (sample) : 15/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	5
Median	6
Maximum	140
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	13/18	0/2
Detection Frequency (sample)	2/3	13/18	0/2
Geometric mean	9	5	nd
Median	5	8	---
Maximum	140	49	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	5
	Yokohama City	2	Yokohama Port	Green mussel	140
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(3)
		2		Chum salmon	8
	Iwate Pref.	3	Yamada Bay	Greenling	16
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(3)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	15
	Tokyo Met.	6	Tokyo Bay	Sea bass	17
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	15
	Nagoya City	8	Nagoya Port	Striped mullet	13
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	49
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	8
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	6
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	10
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	10
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya 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 naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 17/23 (Missing value : 0)

Detection Frequency (sample) : 17/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	tr(5)
Median	tr(5)
Maximum	170
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	13/18	2/2
Detection Frequency (sample)	2/3	13/18	2/2
Geometric mean	13	tr(4)	tr(3)
Median	14	tr(5)	---
Maximum	170	26	tr(5)
Minimum	nd	nd	tr(2)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	14
	Yokohama City	2	Yokohama Port	Green mussel	170
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(3)
	Iwate Pref.	3	Yamada Bay	Greenling	10
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(2)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	9
	Tokyo Met.	6	Tokyo Bay	Sea bass	26
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	22
	Nagoya City	8	Nagoya Port	Striped mullet	15
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(2)
	Osaka Pref.	10	Osaka Bay	Sea bass	20
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	8
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	6
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	11
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	tr(4)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	tr(5)
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(2)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	40
				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.

[20-4] Tetrachlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	25
Median	24
Maximum	190
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	21	21	140
Median	24	18	---
Maximum	190	130	170
Minimum	tr(2)	tr(2)	120

	Local communities	No.	Monitored sites	Wildlife species	Measured value	
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	24	
	Yokohama City	2	Yokohama Port	Green mussel	190	
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)	
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(2)	
		2		Chum salmon	6	
	Iwate Pref.	3	Yamada Bay	Greenling	28	
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	10	
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	17	
	Tokyo Met.	6	Tokyo Bay	Sea bass	130	
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	94	
	Nagoya City	8	Nagoya Port	Striped mullet	53	
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	33	
	Osaka Pref.	10	Osaka Bay	Sea bass	79	
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	36	
	Tottori Pref.	12	Nakaumi	Sea bass	8	
	Hiroshima City	13	Hiroshima Bay	Sea bass	18	
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	83	
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6	
		Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	13
		Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	17
		Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	9
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	170	
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	120	
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	13,000	
				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.

[20-5] Pentachlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 23/23 (Missing value : 0)

Detection Frequency (sample) : 23/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	23
Median	27
Maximum	120
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	2/2
Detection Frequency (sample)	3/3	18/18	2/2
Geometric mean	11	22	110
Median	8	24	---
Maximum	61	89	120
Minimum	tr(3)	tr(2)	100

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	61
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(3)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(2)
		2		Chum salmon	5
	Iwate Pref.	3	Yamada Bay	Greenling	27
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	13
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	33
	Tokyo Met.	6	Tokyo Bay	Sea bass	89
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	69
	Nagoya City	8	Nagoya Port	Striped mullet	29
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	52
	Osaka Pref.	10	Osaka Bay	Sea bass	76
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	38
	Tottori Pref.	12	Nakaumi	Sea bass	10
	Hiroshima City	13	Hiroshima Bay	Sea bass	20
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	73
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	5
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	20
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	21
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	14
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	120
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	100
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,500
				Egg of Great Cormorant (Egg white)	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.

[20-6] Hexachlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 21/23 (Missing value : 0)

Detection Frequency (sample) : 21/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	4
Median	4
Maximum	36
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	16/18	2/2
Detection Frequency (sample)	3/3	16/18	2/2
Geometric mean	tr(2)	3	33
Median	tr(1)	4	---
Maximum	5	31	36
Minimum	tr(1)	nd	30

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1)
	Yokohama City	2	Yokohama Port	Green mussel	5
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(1)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1)
		2		Chum salmon	tr(1)
	Iwate Pref.	3	Yamada Bay	Greenling	5
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	4
	Tokyo Met.	6	Tokyo Bay	Sea bass	31
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	21
	Nagoya City	8	Nagoya Port	Striped mullet	4
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	6
	Osaka Pref.	10	Osaka Bay	Sea bass	16
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	9
	Tottori Pref.	12	Nakaumi	Sea bass	tr(1)
	Hiroshima City	13	Hiroshima Bay	Sea bass	3
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	10
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	4
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	36
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	30
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,500
				Egg of Great Cormorant (Egg white)	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

[20-7] Heptachlorinated naphthalenes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 3/23 (Missing value : 0)

Detection Frequency (sample) : 3/23 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(1)
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	2/18	0/2
Detection Frequency (sample)	1/3	2/18	0/2
Geometric mean	nd	nd	nd
Median	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	Green mussel	tr(1)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(1)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1)
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	33
				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 : 2021

Detection Frequency (site) : 0/23 (Missing value : 0)

Detection Frequency (sample) : 0/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 4

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/2
Detection Frequency (sample)	0/3	0/18	0/2
Geometric mean	nd	nd	nd
Median	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	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya 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

[21] Hexachlorobuta-1,3-diene/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 15/23 (Missing value : 0)

Detection Frequency (sample) : 15/23 (Missing value : 0)

Detection limit : 5

Quantification limit : 14

	Aggregated value
Geometric mean	tr(6)
Median	tr(5)
Maximum	24
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	14/18	0/2
Detection Frequency (sample)	1/3	14/18	0/2
Geometric mean	nd	tr(7)	nd
Median	nd	tr(10)	---
Maximum	tr(5)	24	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	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(5)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(10)
		2		Chum salmon	16
	Iwate Pref.	3	Yamada Bay	Greenling	tr(10)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(9)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(10)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(5)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(5)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	17
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(10)
	Tottori Pref.	12	Nakaumi	Sea bass	tr(5)
	Hiroshima City	13	Hiroshima Bay	Sea bass	17
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	24
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	14
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(6)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	36
				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

[23] Short-chain chlorinated paraffins/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 6/23 (Missing value : 0)

Detection Frequency (sample) : 6/23 (Missing value : 0)

Detection limit : *900

Quantification limit : *2,300

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	8,100
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	3/18	2/2
Detection Frequency (sample)	1/3	3/18	2/2
Geometric mean	nd	nd	2,400
Median	nd	nd	---
Maximum	2,600	8,100	4,800
Minimum	nd	nd	tr(1,200)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	2,600
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(1,900)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	8,100
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1,300)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	4,800
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(1,200)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(1,500)
				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

(Note 5) * : Indicates the sum value of the Quantification [Detection] limits of each substance with the same number of carbons in the alkyl group.

[23-1] Chlorinated decanes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 8/23 (Missing value : 0)

Detection Frequency (sample) : 8/23 (Missing value : 0)

Detection limit : 200

Quantification limit : 600

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	700
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	4/18	2/2
Detection Frequency (sample)	2/3	4/18	2/2
Geometric mean	tr(200)	nd	tr(400)
Median	tr(300)	nd	---
Maximum	tr(500)	700	600
Minimum	nd	nd	tr(300)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(500)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(300)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	700
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(200)
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(500)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(200)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	600
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(300)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(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

[23-2] Chlorinated undecanes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 7/23 (Missing value : 0)

Detection Frequency (sample) : 7/23 (Missing value : 0)

Detection limit : 300

Quantification limit : 800

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2,300
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	4/18	2/2
Detection Frequency (sample)	1/3	4/18	2/2
Geometric mean	nd	nd	1,000
Median	nd	nd	---
Maximum	800	1,000	2,300
Minimum	nd	nd	tr(400)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	800
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(300)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	tr(300)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(500)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	2,300
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	tr(400)
	Hyogo Pref.	Reference value	Koya 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

[23-3] Chlorinated dodecanes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 5/23 (Missing value : 0)

Detection Frequency (sample) : 5/23 (Missing value : 0)

Detection limit : 200

Quantification limit : 400

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	3/18	1/2
Detection Frequency (sample)	1/3	3/18	1/2
Geometric mean	nd	nd	tr(300)
Median	nd	nd	---
Maximum	400	tr(300)	1,000
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	Green mussel	400
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(200)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(200)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(300)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	1,000
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(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

[23-4] Chlorinated tridecanes/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 5/23 (Missing value : 0)

Detection Frequency (sample) : 5/23 (Missing value : 0)

Detection limit : 200

Quantification limit : 500

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	7,000
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	2/18	2/2
Detection Frequency (sample)	1/3	2/18	2/2
Geometric mean	tr(200)	nd	700
Median	nd	nd	---
Maximum	900	7,000	900
Minimum	nd	nd	500

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	900
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	7,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	600
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	900
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,000
				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) nd : Not detected

[25] Perfluorohexane sulfonic acid (PFHxS)/wildlife (pg/g-wet)

Monitored year : 2021

Detection Frequency (site) : 10/23 (Missing value : 0)

Detection Frequency (sample) : 10/23 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	tr(3)
Median	nd
Maximum	40
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	7/18	2/2
Detection Frequency (sample)	1/3	7/18	2/2
Geometric mean	nd	tr(2)	20
Median	nd	nd	---
Maximum	tr(3)	16	40
Minimum	nd	nd	10

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(3)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	8
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	11
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	13
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(3)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(3)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	16
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	tr(40)
	Tottori Pref.	2	Riv. Tenjin (Kurayoshi City)	Great Cormorant	10
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,800
				Egg of Great Cormorant (Egg white)	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] Total Polychlorinated biphenyls (Total PCBs)/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : *0.8

Quantification limit : *7.8

	Aggregated value
Geometric mean	71
Median	70
Maximum	340
Minimum	17

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	35	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	17	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	28	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	58	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	41	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	66	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	120	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	52	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	160	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	160	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	120	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	70	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	62	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	110	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	110	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	70	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	74	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	56	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	340	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	76	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	64	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	120	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	29	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	87	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	140	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	84	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	79	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	82	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	43	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	120	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	75	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	56	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	46	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	52	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	49	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

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

[1-1] Monochlorobiphenyls/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.03

Quantification limit : 0.09

	Aggregated value
Geometric mean	8.4
Median	8.6
Maximum	23
Minimum	1.4

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	5.4	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	3.5	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	3.7	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	5.4	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	5.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	8.0	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	13	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	3.4	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	23	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	23	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	6.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	6.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	8.0	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	5.4	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	7.0	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	7.4	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	9.9	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	20	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	16	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	8.9	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	6.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	12	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	5.1	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	8.6	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	11	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	9.6	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	5.9	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	13	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	9.4	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	20	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	9.4	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	16	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	17	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	11	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	1.4	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[1-2] Dichlorobiphenyls/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	22
Median	24
Maximum	67
Minimum	5.3

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	14	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	5.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	11	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	24	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	13	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	25	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	30	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	25	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	36	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	48	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	24	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	25	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	22	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	41	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	28	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	25	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	24	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	15	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	65	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	21	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	16	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	67	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	9.9	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	23	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	42	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	27	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	21	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	22	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	14	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	32	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	25	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	21	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	13	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	18	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	9.8	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[1-3] Trichlorobiphenyls/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	19
Median	20
Maximum	82
Minimum	4.3

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	9.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	4.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	7.5	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	16	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	9.4	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	19	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	37	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	14	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	45	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	41	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	23	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	17	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	17	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	30	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	45	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	21	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	20	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	12	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	82	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	20	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	19	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	22	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	7.4	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	20	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	45	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	24	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	29	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	23	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	8.9	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	23	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	20	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	10	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	8.7	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	11	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	25	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[1-4] Tetrachlorobiphenyls/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	11
Median	11
Maximum	84
Minimum	2.1

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	3.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	2.1	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	3.7	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	7.2	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	5.5	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	9.2	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	23	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	6.1	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	38	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	28	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	15	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	11	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	8.9	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	21	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	20	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	11	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	9.9	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	5.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	84	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	17	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	13	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	12	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	3.6	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	15	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	27	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	15	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	13	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	13	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	5.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	15	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	13	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	5.6	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	4.2	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	6.4	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	11	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 34/35 (Missing value : 0)

Detection Frequency (sample) : 34/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	0.07
Median	0.06
Maximum	0.40
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.02)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.02)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.05	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.04)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.06	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.11	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.05	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.28	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.15	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.15	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.09	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.05	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.10	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.10	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.06	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.07	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.04)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.40	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.06	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.06	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.07	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.04)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.14	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.18	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.12	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.05	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.08	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.13	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.06	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.04)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(0.04)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.04)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.05	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 6/35 (Missing value : 0)

Detection Frequency (sample) : 6/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.04

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.03)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.02)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.02)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(0.03)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.02)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.02)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	5.2
Median	5.7
Maximum	64
Minimum	1.2

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	1.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	1.2	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	1.8	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	3.8	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	3.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	3.9	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	10	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	2.0	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	13	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	17	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	13	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	7.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	4.3	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	10	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	7.5	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	3.6	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	6.4	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	2.8	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	64	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	6.5	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	6.4	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	5.9	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	1.9	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	14	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	8.7	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	5.7	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	6.2	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	7.3	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	4.1	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	10	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	5.1	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	2.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	2.0	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	3.3	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	1.6	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105) /air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.02

Quantification limit : 0.04

	Aggregated value
Geometric mean	0.14
Median	0.15
Maximum	1.8
Minimum	tr(0.02)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.05	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.04	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.11	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.09	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.10	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.28	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.08	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.36	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.48	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.30	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.28	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.11	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.24	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.21	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.09	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.33	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.07	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	1.8	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.19	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.16	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.15	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.04	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.42	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.46	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.32	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.16	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.19	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.09	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.30	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.14	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.05	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.06	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.09	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	tr(0.03)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 18/35 (Missing value : 0)

Detection Frequency (sample) : 18/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	nd
Median	tr(0.02)
Maximum	0.17
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.02)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.03)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.04)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.04)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.03)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.03)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.02)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.02)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.02)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.17	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.04)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.03)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.03)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.02)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.03)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.04)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.02)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-5-3] 2,3',4,4',5-Pentachlorobiphenyl (#118) /air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.03

Quantification limit : 0.09

	Aggregated value
Geometric mean	0.38
Median	0.45
Maximum	5.4
Minimum	tr(0.06)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.12	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(0.06)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.09	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.33	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.25	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.26	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.75	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.21	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.92	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1.4	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.97	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.73	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.29	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.67	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.54	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.23	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.77	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.19	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	5.4	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.54	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.47	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.45	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.13	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	1.1	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.84	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.54	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.45	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.57	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.29	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.77	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.40	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.14	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.15	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.25	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	tr(0.07)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 28/35 (Missing value : 0)

Detection Frequency (sample) : 28/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	tr(0.01)
Median	tr(0.01)
Maximum	0.10
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.02)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.01)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.03)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.04	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.03)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.02)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.02)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.01)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.01)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.10	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.02)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.02)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.01)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.01)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.03)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.01)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 2/35 (Missing value : 0)

Detection Frequency (sample) : 2/35 (Missing value : 0)

Detection limit : 0.03

Quantification limit : 0.08

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.04)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	nd	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.03)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.04)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

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

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

Detection limit : 0.05

Quantification limit : 0.14

	Aggregated value
Geometric mean	2.1
Median	2.2
Maximum	22
Minimum	0.46

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.70	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.46	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.63	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	1.6	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	2.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	1.2	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	3.4	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.89	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	3.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	5.5	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	22	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	3.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	1.6	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	3.0	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	2.2	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	1.3	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	3.2	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.88	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	21	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	2.3	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	2.5	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	2.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.81	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	5.1	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	2.9	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	2.1	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	3.0	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	2.7	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	1.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	14	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	1.9	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.82	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.88	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	1.8	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.51	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 29/35 (Missing value : 0)

Detection Frequency (sample) : 29/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	tr(0.03)
Median	tr(0.03)
Maximum	0.22
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.02)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.02)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.02)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.05	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.02)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.03)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.06	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.15	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.05	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.03)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.03)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.03)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.02)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.06	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.22	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.03)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.03)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.04)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.07	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.05	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.04)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.02)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.03)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.12	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.02)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 26/35 (Missing value : 0)

Detection Frequency (sample) : 26/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	tr(0.01)
Median	tr(0.01)
Maximum	0.10
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.01)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.01)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.10	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.01)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.06	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.01)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.02)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.02)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.01)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.01)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.05	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.01)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 29/35 (Missing value : 0)

Detection Frequency (sample) : 29/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	tr(0.01)
Median	tr(0.01)
Maximum	0.14
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.03)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.01)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.02)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.03)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.14	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.02)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.01)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.01)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.10	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.03)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.02)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.02)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.02)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.04	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.01)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

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

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

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	nd	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) nd : Not detected

[1-7] Heptachlorobiphenyls/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.03

Quantification limit : 0.08

	Aggregated value
Geometric mean	0.45
Median	0.41
Maximum	14
Minimum	0.11

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.14	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.11	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.12	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.26	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.86	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.18	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.55	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.17	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.77	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.82	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	14	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.68	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.36	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.32	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.27	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.30	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.74	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.15	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	3.3	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.41	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.50	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.46	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.11	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.84	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.74	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.57	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.87	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.61	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.28	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	8.2	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.34	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.19	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.18	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.62	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.13	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 30/35 (Missing value : 0)

Detection Frequency (sample) : 30/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.06

	Aggregated value
Geometric mean	tr(0.04)
Median	tr(0.04)
Maximum	1.0
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.02)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.02)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.07	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.02)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.05)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.02)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.05)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.09	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	1.0	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.05)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.04)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.03)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.04)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.03)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.08	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.26	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.04)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.04)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.08	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.08	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.06	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.06	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.05)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.52	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.03)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(0.02)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.05)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 31/35 (Missing value : 0)

Detection Frequency (sample) : 31/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	0.07
Median	0.06
Maximum	2.8
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.03)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.02)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.04)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.14	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.07	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.04)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.12	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.14	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	2.8	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.11	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.05	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.05	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.05	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.15	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.55	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.07	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.08	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.06	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.02)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.12	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.17	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.12	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.13	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.11	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.05	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	1.5	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.05	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(0.03)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.10	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189) /air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 7/35 (Missing value : 0)

Detection Frequency (sample) : 7/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.04
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.04	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(0.01)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.02)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.01)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 16/35 (Missing value : 0)

Detection Frequency (sample) : 16/35 (Missing value : 0)

Detection limit : 0.06

Quantification limit : 0.15

	Aggregated value
Geometric mean	tr(0.06)
Median	nd
Maximum	2.3
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.10)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.08)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.10)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.13)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	2.3	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.06)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.16	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.34	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.09)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.10)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.12)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.08)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.09)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.10)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	1.0	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.10)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 6/35 (Missing value : 0)

Detection Frequency (sample) : 6/35 (Missing value : 0)

Detection limit : 0.03

Quantification limit : 0.07

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.08
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.08	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(0.03)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.03)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.07	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 15/35 (Missing value : 0)

Detection Frequency (sample) : 15/35 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.05
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.03)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.03)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.03)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.02)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.04)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	nd	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.03)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.02)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.02)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.05	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.05	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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] HCB (Hexachlorobenzene) /air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.04

Quantification limit : 0.11

	Aggregated value
Geometric mean	96
Median	96
Maximum	140
Minimum	66

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	79	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	66	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	74	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	100	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	100	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	85	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	93	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	100	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	96	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	110	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	90	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	92	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	100	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	110	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	96	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	87	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	94	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	79	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	98	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	88	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	72	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	95	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	110	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	99	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	120	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	120	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	86	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	100	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	94	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	140	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	110	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	110	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	90	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	110	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	95	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[6-1] *p,p'*-DDT/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.06

Quantification limit : 0.15

	Aggregated value
Geometric mean	0.80
Median	0.67
Maximum	6.3
Minimum	0.16

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	6.3	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.33	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.44	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.46	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	1.4	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.64	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1.1	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.37	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	1.2	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1.4	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	1.5	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	1.9	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.78	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.9	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	5.8	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.47	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.42	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.29	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	3.5	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.87	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.46	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	1.1	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.16	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.51	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	1.4	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	3.9	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.67	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.63	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.50	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	2.5	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.74	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.24	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.20	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.52	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.16	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[6-2] *p,p'*-DDE/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.05

Quantification limit : 0.13

	Aggregated value
Geometric mean	1.6
Median	1.4
Maximum	21
Minimum	0.43

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	6.1	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	1.1	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	1.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.90	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	6.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	1.4	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1.9	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.47	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	1.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	2.3	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	2.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	3.3	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	1.3	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	2.7	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	21	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	1.2	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.94	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.61	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	3.9	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	1.4	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.85	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	1.3	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.55	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.88	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	1.8	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	3.8	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	1.7	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	1.4	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	1.0	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	4.3	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	1.8	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.73	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.72	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	1.0	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.43	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[6-3] *p,p'*-DDD/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 18/35 (Missing value : 0)

Detection Frequency (sample) : 18/35 (Missing value : 0)

Detection limit : 0.05

Quantification limit : 0.13

	Aggregated value
Geometric mean	tr(0.05)
Median	tr(0.05)
Maximum	0.18
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.08)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.05)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.06)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.08)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.09)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.10)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.05)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.18	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(0.09)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.05)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.06)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.09)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.16	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.06)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.07)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.10)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.08)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.07)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[6-4] *o,p'*-DDT/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.03

Quantification limit : 0.08

	Aggregated value
Geometric mean	0.50
Median	0.47
Maximum	3.0
Minimum	0.11

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	1.7	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.24	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.27	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.34	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.73	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.47	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.60	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.21	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.64	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.83	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.81	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	1.1	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.54	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.3	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	3.0	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.32	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.27	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.19	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	2.3	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.67	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.31	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.51	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.16	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.36	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.65	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	1.5	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.45	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.45	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.35	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	1.7	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.49	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.20	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.18	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.34	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.11	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[6-5] *o,p'*-DDE/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 34/35 (Missing value : 0)

Detection Frequency (sample) : 34/35 (Missing value : 0)

Detection limit : 0.04

Quantification limit : 0.10

	Aggregated value
Geometric mean	0.17
Median	0.16
Maximum	0.55
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.28	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(0.09)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.09)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.11	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.21	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.22	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.37	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.11	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.18	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.31	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.18	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.17	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.14	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.38	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.55	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.14	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.16	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.08)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.46	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.15	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.12	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.22	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.09)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.11	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	0.20	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.24	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.15	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.19	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.11	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.54	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.24	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.13	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.11	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.15	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[6-6] *o,p'*-DDD/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 27/35 (Missing value : 0)

Detection Frequency (sample) : 27/35 (Missing value : 0)

Detection limit : 0.04

Quantification limit : 0.10

	Aggregated value
Geometric mean	tr(0.05)
Median	tr(0.06)
Maximum	0.16
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.11	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.04)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.05)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.06)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.06)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.04)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.06)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.09)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.08)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.10	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.04)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(0.06)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.16	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.04)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.13	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.05)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.07)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.07)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.04)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.07)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.08)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	0.10	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.07)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.08)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.09)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.04)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.09)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

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

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

Detection limit : 0.07

Quantification limit : 0.18

	Aggregated value
Geometric mean	2.8
Median	3.1
Maximum	6.5
Minimum	0.70

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	5.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	2.8	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	3.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	5.9	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	6.4	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	5.8	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	4.3	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	5.9	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	2.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	4.5	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	3.9	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	3.1	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2.7	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.4	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	5.5	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	3.1	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	4.6	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	1.8	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	2.7	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	1.3	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.97	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	1.3	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.70	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.90	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	5.0	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	6.5	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	3.4	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	4.2	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	1.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	1.2	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	2.7	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	1.0	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	3.8	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	1.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	4.5	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[16] Perfluorooctanoic acid (PFOA) /air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.3

Quantification limit : 0.7

	Aggregated value
Geometric mean	8.3
Median	7.5
Maximum	42
Minimum	2.6

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	7.3	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	2.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	3.8	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	13	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	7.5	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	14	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	10	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	9.2	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	15	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	12	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	5.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	6.9	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	16	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	6.9	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	6.7	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	8.5	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	8.4	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	5.4	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	20	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	6.7	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	5.7	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	6.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	5.4	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	42	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	28	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	13	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	11	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	12	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	12	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	5.4	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	6.4	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	5.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	3.4	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	7.9	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	2.6	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[17] Pentachlorobenzene/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.05

Quantification limit : 0.13

	Aggregated value
Geometric mean	61
Median	63
Maximum	130
Minimum	36

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	41	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	36	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	40	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	57	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	63	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	58	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	81	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	130	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	69	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	75	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	51	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	55	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	65	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	53	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	57	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	66	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	48	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	47	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	67	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	55	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	42	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	77	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	57	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	69	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	63	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	64	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	50	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	70	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	65	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	130	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	66	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	79	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	46	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	81	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	41	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[18] Endosulfans/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 34/35 (Missing value : 0)

Detection Frequency (sample) : 34/35 (Missing value : 0)

Detection limit : *0.5

Quantification limit : *1.1

	Aggregated value
Geometric mean	1.4
Median	1.3
Maximum	6.0
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(1.0)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.6)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.8)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	4.2	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	2.7	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1.1	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.8)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	2.2	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1.2	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.6)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.7)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2.1	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.7	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.7)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	2.3	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(0.7)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.7)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	2.2	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.6)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.6)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	2.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.8)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(1.0)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	2.0	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	2.0	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	2.4	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	6.0	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	3.6	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	3.3	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	4.1	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	4.3	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	1.3	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	2.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	tr(0.5)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

(Note 5) tr : Detection limit value and more, less than Quantification limit value.

(Note 6) nd : Not detected

[18-1] α -Endosulfan/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	1.4
Median	1.3
Maximum	6.0
Minimum	0.4

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	1.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.4	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.8	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	3.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	2.3	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1.1	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.8	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	1.9	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1.2	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	0.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.7	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2.1	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.7	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.7	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	2.3	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.7	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.7	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	2.2	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.6	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	0.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	2.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.8	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	1.0	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	2.0	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	2.0	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	2.4	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	6.0	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	3.6	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	3.3	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	4.1	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	3.9	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	1.3	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	2.2	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.5	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[18-2] β -Endosulfan/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 5/35 (Missing value : 0)

Detection Frequency (sample) : 5/35 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.7

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.5)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.5)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.4)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.3)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	nd	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(0.3)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	nd	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.4)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	nd	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 Polyhalogenated naphthalenes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : *0.3

Quantification limit : *0.7

	Aggregated value
Geometric mean	80
Median	72
Maximum	1,000
Minimum	5.3

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	65	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	18	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	22	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	55	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	38	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	57	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	100	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	30	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	99	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	190	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	65	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	57	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	72	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	87	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	180	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	60	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	89	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	110	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	170	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	93	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	38	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	550	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	5.3	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	110	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	1000	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	420	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	150	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	230	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	68	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	270	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	110	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	67	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	51	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	56	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	8.6	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

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

[20-1] Monochlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.06

Quantification limit : 0.15

	Aggregated value
Geometric mean	52
Median	57
Maximum	650
Minimum	3.9

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	33	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	10	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	15	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	36	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	20	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	36	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	68	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	8.5	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	67	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	130	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	41	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	37	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	58	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	57	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	140	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	38	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	61	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	72	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	110	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	71	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	25	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	430	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	3.9	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	63	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	650	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	210	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	110	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	190	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	45	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	170	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	74	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	46	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	40	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	32	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	5.8	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[20-2] Dichlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	15
Median	14
Maximum	290
Minimum	0.78

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	28	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	6.1	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	3.4	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	12	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	5.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	9.2	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	16	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	3.8	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	20	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	33	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	14	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	11	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	7.6	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	11	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	27	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	10	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	15	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	25	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	21	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	14	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	5.5	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	98	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.78	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	21	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	290	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	180	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	26	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	32	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	16	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	63	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	20	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	12	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	7.4	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	12	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	1.8	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[20-3] Trichlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	4.8
Median	5.2
Maximum	32
Minimum	0.32

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	2.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.96	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	1.7	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	2.9	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	5.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	5.7	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	10	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	11	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	6.0	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	13	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	3.7	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	4.0	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	3.1	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	6.1	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	5.1	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	6.1	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	4.8	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	7.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	11	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	3.9	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	2.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	7.4	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.32	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	10	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	32	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	18	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	3.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	5.2	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	3.4	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	22	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	6.5	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	5.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	2.2	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	4.6	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.65	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[20-4] Tetrachlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.03

Quantification limit : 0.08

	Aggregated value
Geometric mean	4.0
Median	4.8
Maximum	22
Minimum	0.26

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	1.1	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	0.51	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	1.2	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	2.7	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	6.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	5.1	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	8.2	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	6.8	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	4.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	15	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	5.1	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	3.6	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2.8	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	11	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	3.9	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	5.1	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	5.2	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	2.6	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	19	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	3.4	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	3.1	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	9.4	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.26	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	14	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	22	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	11	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	4.8	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	4.1	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	2.6	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	11	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	4.6	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	3.1	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	1.4	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	5.9	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	0.35	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

[20-5] Pentachlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 33/35 (Missing value : 0)

Detection Frequency (sample) : 33/35 (Missing value : 0)

Detection limit : 0.05

Quantification limit : 0.12

	Aggregated value
Geometric mean	0.63
Median	0.82
Maximum	4.0
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	0.15	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(0.07)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	0.18	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.67	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	0.37	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	0.50	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1.3	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	0.21	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.91	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1.8	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	1.5	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	0.82	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	0.72	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.9	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.75	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	0.68	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	2.3	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	0.39	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	4.0	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	0.66	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	1.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	1.5	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	2.6	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	1.3	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	0.98	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	1.0	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.90	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.72	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	3.0	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	0.82	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.45	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	0.17	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	1.1	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[20-6] Hexachlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 28/35 (Missing value : 0)

Detection Frequency (sample) : 28/35 (Missing value : 0)

Detection limit : 0.06

Quantification limit : 0.14

	Aggregated value
Geometric mean	tr(0.09)
Median	tr(0.09)
Maximum	0.42
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(0.13)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.07)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.07)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.15	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(0.13)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.20	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.13)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.12)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.10)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.16	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.09)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.08)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.35	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.08)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.31	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.06)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.13)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.24	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.22	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.09)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.08)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.13)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.17	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.06)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.42	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.09)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.09)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.13)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[20-7] Heptachlorinated naphthalenes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 32/35 (Missing value : 0)

Detection Frequency (sample) : 32/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.03

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.02)
Maximum	0.12
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.12	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	0.03	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.01)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.04	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	0.03	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.02)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.03	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(0.02)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.04	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	0.03	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.01)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.07	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	nd	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.03	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.01)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(0.01)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	0.03	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.06	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.02)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(0.01)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.03	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

Detection Frequency (site) : 32/35 (Missing value : 0)

Detection Frequency (sample) : 32/35 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.01)
Maximum	0.49
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(0.03)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	0.27	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(0.01)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(0.01)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	0.09	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(0.01)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(0.01)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	0.12	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	0.04	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	0.49	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(0.02)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(0.02)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(0.01)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(0.01)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.06	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(0.01)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(0.02)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(0.01)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(0.01)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(0.02)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(0.03)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(0.01)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(0.02)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(0.01)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(0.03)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 : 2021

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

Detection Frequency (sample) : 105/105 (Missing value : 0)

Detection limit : 20

Quantification limit : 40

	Aggregated value
Geometric mean	2,400
Median	2,200
Maximum	11,000
Minimum	1,400

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/20	1,600	LV
			10/20 ~ 10/21	1,500	
			10/21 ~ 10/22	1,400	
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	1,600	LV
			10/19 ~ 10/20	1,600	
			10/20 ~ 10/21	1,600	
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	2,300	LV
			10/12 ~ 10/13	1,900	
			10/13 ~ 10/14	1,800	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 10/27	1,700	LV
			10/27 ~ 10/28	2,000	
			10/28 ~ 10/29	2,000	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/12 ~ 10/13	2,400	LV
			10/13 ~ 10/14	2,300	
			10/14 ~ 10/15	2,000	
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/13	2,300	LV
			10/13 ~ 10/14	2,400	
			10/14 ~ 10/15	2,000	
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/20	1,600	LV
			10/20 ~ 10/21	1,700	
			10/21 ~ 10/22	1,500	
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/8	2,800	LV
			11/8 ~ 11/9	2,700	
			11/9 ~ 11/10	2,500	
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	2,300	LV
			11/9 ~ 11/10	2,200	
			11/10 ~ 11/11	2,400	
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 10/26	1,700	LV
			10/26 ~ 10/27	1,600	
			10/27 ~ 10/28	1,500	
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	2,400	LV
			10/12 ~ 10/13	2,400	
			10/13 ~ 10/14	2,200	
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	2,500	LV
			10/12 ~ 10/13	2,200	
			10/13 ~ 10/14	2,000	
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2,900	LV
			9/28 ~ 9/29	2,300	
			9/29 ~ 9/30	1,900	
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	2,000	LV
			9/28 ~ 9/29	2,000	
			9/29 ~ 9/30	1,800	
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 10/26	1,800	LV
			10/26 ~ 10/27	1,500	
			10/27 ~ 10/28	1,500	
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	2,000	LV
			11/9 ~ 11/10	2,000	
			11/10 ~ 11/11	2,300	
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/20	2,000	LV
			10/20 ~ 10/21	1,600	
			10/21 ~ 10/22	1,600	
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	1,500	LV
			10/19 ~ 10/20	1,900	
			10/20 ~ 10/21	1,500	
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	1,700	LV
			10/26 ~ 10/27	1,700	
			10/27 ~ 10/28	1,800	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	1,600	LV
			10/27 ~ 10/28	2,300	
			10/28 ~ 10/29	2,400	

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	1,500	LV
			10/19 ~ 10/20	1,600	
			10/20 ~ 10/21	1,500	
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	7,000	LV
			11/16 ~ 11/17	4,600	
			11/17 ~ 11/18	2,700	
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	2,600	LV
			11/17 ~ 11/18	2,700	
			11/18 ~ 11/19	4,500	
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	1,700	LV
			10/27 ~ 10/28	3,600	
			10/28 ~ 10/29	3,000	
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/5 ~ 10/6	2,000	LV
			10/6 ~ 10/7	2,400	
			10/7 ~ 10/8	2,200	
	26	Hagi Health and Welfare Center (Hagi City)	10/5 ~ 10/6	2,200	LV
			10/6 ~ 10/7	2,500	
			10/7 ~ 10/8	2,300	
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	2,500	LV
			11/9 ~ 11/10	2,000	
			11/10 ~ 11/11	2,700	
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/15 ~ 11/16	7,600	LV
			11/16 ~ 11/17	5,900	
			11/17 ~ 11/18	3,200	
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	7,000	LV
			11/16 ~ 11/17	5,600	
			11/17 ~ 11/18	3,300	
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	5,200	LV
			11/17 ~ 11/18	3,700	
			11/18 ~ 11/19	3,700	
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/4 ~ 10/5	2,400	LV
			10/5 ~ 10/6	2,100	
			10/6 ~ 10/7	2,400	
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	11,000	LV
			11/16 ~ 11/17	5,800	
			11/17 ~ 11/18	3,500	
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 10/26	1,900	LV
			10/26 ~ 10/27	1,700	
			10/27 ~ 10/28	1,900	
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	9,900	LV
			11/16 ~ 11/17	6,700	
			11/17 ~ 11/18	4,600	
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	2,700	LV
			9/28 ~ 9/29	2,200	
			9/29 ~ 9/30	2,100	

(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) LV: Low volume air sampler

[23] Short-chain chlorinated paraffins/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 31/35 (Missing value : 0)

Detection Frequency (sample) : 31/35 (Missing value : 0)

Detection limit : *400

Quantification limit : *1,000

	Aggregated value
Geometric mean	tr(700)
Median	tr(800)
Maximum	2,200
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(400)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(400)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(900)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(800)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	1,200	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	1,100	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	1,200	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	1,300	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(600)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(400)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(700)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1200	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(500)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(800)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	1,200	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	2,200	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(400)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(600)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	1,000	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(700)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(800)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	1,600	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	1,200	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(700)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	1,300	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(700)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(800)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	1,100	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(600)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	1,000	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(800)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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 substance with the same number of carbons in the alkyl group.

[23-1] Chlorinated decanes/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 100

Quantification limit : 300

	Aggregated value
Geometric mean	300
Median	tr(200)
Maximum	900
Minimum	tr(100)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(200)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(100)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(200)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	300	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(200)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(200)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	400	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	300	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	300	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	500	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(200)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(200)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(200)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	500	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(200)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(200)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	300	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	tr(100)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	900	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(200)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(200)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	300	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	300	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	300	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	600	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	400	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(200)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(200)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(200)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	300	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	400	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(200)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(200)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	300	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	tr(100)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

[23-2] Chlorinated undecanes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 34/35 (Missing value : 0)

Detection Frequency (sample) : 34/35 (Missing value : 0)

Detection limit : 80

Quantification limit : 210

	Aggregated value
Geometric mean	290
Median	310
Maximum	850
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	tr(160)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	tr(80)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	tr(150)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	350	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	tr(140)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	350	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	560	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	610	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	590	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	490	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	240	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	tr(150)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	290	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	400	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(170)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	350	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	580	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	680	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	tr(190)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	210	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	390	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	230	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	270	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	780	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	610	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	260	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	850	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	350	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	310	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	410	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	250	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	550	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	290	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	tr(80)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[23-3] Chlorinated dodecanes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 27/35 (Missing value : 0)

Detection Frequency (sample) : 27/35 (Missing value : 0)

Detection limit : 80

Quantification limit : 220

	Aggregated value
Geometric mean	tr(110)
Median	tr(120)
Maximum	370
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(130)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(110)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(160)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(130)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	220	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	230	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(100)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(90)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	220	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	tr(90)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(160)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(190)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	370	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(110)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(190)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(110)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(140)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(160)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(100)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(140)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(130)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(90)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(120)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	230	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(100)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(130)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(130)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[23-4] Chlorinated tridecanes/air (pg/m³)

Monitored year : 2021

Detection Frequency (site) : 26/35 (Missing value : 0)

Detection Frequency (sample) : 26/35 (Missing value : 0)

Detection limit : 100

Quantification limit : 300

	Aggregated value
Geometric mean	nd
Median	tr(100)
Maximum	tr(200)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	tr(100)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	tr(100)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	tr(100)	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	tr(100)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	tr(100)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	tr(100)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	tr(100)	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	nd	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	tr(100)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	tr(100)	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	tr(100)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	tr(100)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	nd	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	tr(200)	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	nd	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	tr(100)	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	tr(100)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	tr(100)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	tr(100)	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	tr(100)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	tr(100)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	tr(100)	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	tr(100)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	tr(100)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	tr(100)	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	tr(100)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	tr(100)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	tr(100)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	tr(100)	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	nd	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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) 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

[25] Perfluorohexane sulfonic acid (PFHxS)/air (pg/m³)

Monitored year : 2021

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

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

Detection limit : 0.07

Quantification limit : 0.18

	Aggregated value
Geometric mean	2.2
Median	2.3
Maximum	6.6
Minimum	0.46

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Oshima General Subprefectural Bureau (Hakodate City)	10/19 ~ 10/26	5.4	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/18 ~ 10/19	1.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/11 ~ 10/12	1.9	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/26 ~ 11/2	5.6	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	10/8 ~ 10/15	6.0	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	10/12 ~ 10/19	6.0	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/19 ~ 10/26	3.9	MV
	8	Chichijima Island (Ogasawara Village)	11/7 ~ 11/14	5.5	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	11/8 ~ 11/9	1.3	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	10/25 ~ 11/1	4.1	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/11 ~ 10/12	2.3	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/11 ~ 10/12	1.3	HV
			10/12 ~ 10/13		
			10/13 ~ 10/14		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/27 ~ 9/28	2.0	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/27 ~ 9/28	1.2	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	10/25 ~ 11/1	5.1	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/8 ~ 11/9	2.3	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	10/19 ~ 10/26	4.4	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	10/18 ~ 10/19	1.3	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/25 ~ 10/26	1.4	HV
			10/26 ~ 10/27		
			10/27 ~ 10/28		
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/26 ~ 10/27	1.1	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	10/18 ~ 10/19	1.0	HV
			10/19 ~ 10/20		
			10/20 ~ 10/21		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/15 ~ 11/16	0.87	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	11/16 ~ 11/17	0.46	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/26 ~ 10/27	0.76	HV
			10/27 ~ 10/28		
			10/28 ~ 10/29		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/1 ~ 10/8	5.2	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/1 ~ 10/8	6.6	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/8 ~ 11/9	3.2	HV
			11/9 ~ 11/10		
			11/10 ~ 11/11		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/12 ~ 11/19	4.8	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	11/15 ~ 11/16	0.81	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Fukuoka Pref.	30	Omuta City Government Building (Omuta City)	11/16 ~ 11/17	0.76	HV
			11/17 ~ 11/18		
			11/18 ~ 11/19		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/1 ~ 10/8	3.8	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	11/15 ~ 11/16	0.52	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/25 ~ 11/1	4.0	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	11/15 ~ 11/16	0.86	HV
			11/16 ~ 11/17		
			11/17 ~ 11/18		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	9/27 ~ 9/28	3.3	HV
			9/28 ~ 9/29		
			9/29 ~ 9/30		

(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.