

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

Monitored year : 2020

Detection Frequency (site) : 43/46 (Missing value : 0)

Detection Frequency (sample) : 43/46 (Missing value : 0)

Detection limit : *6

Quantification limit : *19

	Aggregated value
Geometric mean	99
Median	90
Maximum	8,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	110
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(13)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	49
Akita Pref.	4	Lake Hachiro	40
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	30
Fukushima Pref.	6	Onahama Port	73
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	68
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	140
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	840
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	340
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	180
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,100
	13	Mouth of Riv. Sumida (Minato Ward)	1,300
Yokohama City	14	Yokohama Port	390
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	46
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	64
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	400
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	8,000
Nagano Pref.	19	Lake Suwa (center)	50
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(8)
Aichi Pref.	21	Nagoya Port	530
Mie Pref.	22	Yokkaichi Port	270
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	30
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,300
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	390
Osaka City	26	Osaka Port	1,300
Hyogo Pref.	27	Offshore of Himeji	81
Kobe City	28	Kobe Port (center)	1,100
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	140
Okayama Pref.	30	Offshore of Mizushima	36
Hiroshima Pref.	31	Kure Port	180
	32	Hiroshima Bay	120
Yamaguchi Pref.	33	Tokuyama Bay	39
	34	Offshore of Ube	25
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	tr(15)
Kagawa Pref.	37	Takamatsu Port	670
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	2,000
Saga Pref.	40	Imari Bay	tr(15)
Nagasaki Pref.	41	Omura Bay	tr(8)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	100
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(8)
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(9)
Okinawa Pref.	46	Naha Port	750

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

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

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

(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 : 2020

Detection Frequency (site) : 43/46 (Missing value : 0)

Detection Frequency (sample) : 43/46 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	0.8
Median	0.6
Maximum	39
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.2)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	0.5
Akita Pref.	4	Lake Hachiro	tr(0.2)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.2)
Fukushima Pref.	6	Onahama Port	5.0
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	0.5
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.7
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	4.5
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1.1
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.9
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	2.2
	13	Mouth of Riv. Sumida (Minato Ward)	1.2
Yokohama City	14	Yokohama Port	1.0
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.1)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	30
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.3)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	39
Nagano Pref.	19	Lake Suwa (center)	tr(0.3)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.3)
Aichi Pref.	21	Nagoya Port	2.0
Mie Pref.	22	Yokkaichi Port	tr(0.3)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.7
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	2.4
Osaka City	26	Osaka Port	0.9
Hyogo Pref.	27	Offshore of Himeji	1.7
Kobe City	28	Kobe Port (center)	2.4
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	0.6
Okayama Pref.	30	Offshore of Mizushima	0.6
Hiroshima Pref.	31	Kure Port	0.6
	32	Hiroshima Bay	0.8
Yamaguchi Pref.	33	Tokuyama Bay	3.1
	34	Offshore of Ube	2.1
	35	Offshore of Hagi	0.5
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	0.4
Kagawa Pref.	37	Takamatsu Port	0.6
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	3.4
Saga Pref.	40	Imari Bay	tr(0.3)
Nagasaki Pref.	41	Omura Bay	1.0
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1.3
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.1)
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.1)
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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 surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

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

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

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	13
Median	12
Maximum	1,100
Minimum	tr(1.2)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	10
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	2.3
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	16
Akita Pref.	4	Lake Hachiro	3.0
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4.7
Fukushima Pref.	6	Onahama Port	14
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9.0
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	25
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	39
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	40
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	30
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	55
	13	Mouth of Riv. Sumida (Minato Ward)	41
Yokohama City	14	Yokohama Port	15
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	2.9
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	10
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	78
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,100
Nagano Pref.	19	Lake Suwa (center)	4.0
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.8
Aichi Pref.	21	Nagoya Port	58
Mie Pref.	22	Yokkaichi Port	24
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	2.6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	96
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	37
Osaka City	26	Osaka Port	82
Hyogo Pref.	27	Offshore of Himeji	13
Kobe City	28	Kobe Port (center)	50
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	60
Okayama Pref.	30	Offshore of Mizushima	5.6
Hiroshima Pref.	31	Kure Port	7.0
	32	Hiroshima Bay	6.6
Yamaguchi Pref.	33	Tokuyama Bay	16
	34	Offshore of Ube	5.4
	35	Offshore of Hagi	tr(1.7)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	2.4
Kagawa Pref.	37	Takamatsu Port	31
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	tr(1.2)
Kitakyushu City	39	Dokai Bay	30
Saga Pref.	40	Imari Bay	5.7
Nagasaki Pref.	41	Omura Bay	3.6
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	8.6
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	2.8
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	2.5
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.3
Okinawa Pref.	46	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.

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

Monitored year : 2020

Detection Frequency (site) : 37/46 (Missing value : 0)

Detection Frequency (sample) : 37/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	14
Median	16
Maximum	2,200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	17
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	6
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(1)
Fukushima Pref.	6	Onahama Port	16
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	16
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	50
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	90
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	120
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	61
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	340
	13	Mouth of Riv. Sumida (Minato Ward)	390
Yokohama City	14	Yokohama Port	100
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	4
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	150
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2,200
Nagano Pref.	19	Lake Suwa (center)	5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	160
Mie Pref.	22	Yokkaichi Port	47
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(2)
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	270
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	64
Osaka City	26	Osaka Port	280
Hyogo Pref.	27	Offshore of Himeji	20
Kobe City	28	Kobe Port (center)	220
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	17
Okayama Pref.	30	Offshore of Mizushima	7
Hiroshima Pref.	31	Kure Port	21
	32	Hiroshima Bay	11
Yamaguchi Pref.	33	Tokuyama Bay	4
	34	Offshore of Ube	tr(3)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	4
Kagawa Pref.	37	Takamatsu Port	270
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	330
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	19
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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.

(Note 4) nd : Not detected

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

Monitored year : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	37
Median	27
Maximum	4,000
Minimum	2.2

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	27
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	6.4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	13
Akita Pref.	4	Lake Hachiro	9.7
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	9.3
Fukushima Pref.	6	Onahama Port	22
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	27
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	45
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	200
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	130
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	63
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	410
	13	Mouth of Riv. Sumida (Minato Ward)	570
Yokohama City	14	Yokohama Port	150
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	20
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	13
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	120
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4,000
Nagano Pref.	19	Lake Suwa (center)	16
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.2
Aichi Pref.	21	Nagoya Port	190
Mie Pref.	22	Yokkaichi Port	95
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	11
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	450
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	97
Osaka City	26	Osaka Port	460
Hyogo Pref.	27	Offshore of Himeji	25
Kobe City	28	Kobe Port (center)	360
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	33
Okayama Pref.	30	Offshore of Mizushima	13
Hiroshima Pref.	31	Kure Port	47
	32	Hiroshima Bay	35
Yamaguchi Pref.	33	Tokuyama Bay	8.9
	34	Offshore of Ube	11
	35	Offshore of Hagi	2.2
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	8.2
Kagawa Pref.	37	Takamatsu Port	250
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	3.4
Kitakyushu City	39	Dokai Bay	960
Saga Pref.	40	Imari Bay	7.0
Nagasaki Pref.	41	Omura Bay	3.6
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	37
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	3.2
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.5
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.8
Okinawa Pref.	46	Naha Port	180

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 26/46 (Missing value : 0)

Detection Frequency (sample) : 26/46 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	tr(0.5)
Median	tr(0.3)
Maximum	14
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.3)
Iwate Pref.	2	Toyosawa 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	tr(0.3)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.5)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3.8
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	0.9
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.4)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	6.2
	13	Mouth of Riv. Sumida (Minato Ward)	3.9
Yokohama City	14	Yokohama Port	0.9
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.3)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1.1
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.9
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1.5
Mie Pref.	22	Yokkaichi Port	tr(0.7)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	5.2
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	0.9
Osaka City	26	Osaka Port	14
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	1.5
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.4)
Okayama Pref.	30	Offshore of Mizushima	tr(0.3)
Hiroshima Pref.	31	Kure Port	tr(0.3)
	32	Hiroshima Bay	tr(0.4)
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	2.4
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	8.8
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.6)
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	tr(0.7)

(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

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

Monitored year : 2020

Detection Frequency (site) : 5/46 (Missing value : 0)

Detection Frequency (sample) : 5/46 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	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 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(0.4)
Saitama Pref.	10	Akigase-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.7)
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.6)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	tr(0.5)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	0.8
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 37/46 (Missing value : 0)

Detection Frequency (sample) : 37/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	13
Median	15
Maximum	620
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	30
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	7
Akita Pref.	4	Lake Hachiro	14
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	10
Fukushima Pref.	6	Onahama Port	10
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	10
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	16
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	260
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	38
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	19
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	160
	13	Mouth of Riv. Sumida (Minato Ward)	190
Yokohama City	14	Yokohama Port	69
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	33
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	620
Nagano Pref.	19	Lake Suwa (center)	12
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	81
Mie Pref.	22	Yokkaichi Port	66
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	9
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	310
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	62
Osaka City	26	Osaka Port	280
Hyogo Pref.	27	Offshore of Himeji	11
Kobe City	28	Kobe Port (center)	180
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	21
Okayama Pref.	30	Offshore of Mizushima	tr(1)
Hiroshima Pref.	31	Kure Port	40
	32	Hiroshima Bay	34
Yamaguchi Pref.	33	Tokuyama Bay	tr(1)
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	76
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	440
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	23
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(2)
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 24/46 (Missing value : 0)

Detection Frequency (sample) : 24/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	tr(1)
Median	tr(1)
Maximum	27
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 Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(2)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	19
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(2)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	7
	13	Mouth of Riv. Sumida (Minato Ward)	8
Yokohama City	14	Yokohama Port	3
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(2)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	4
Mie Pref.	22	Yokkaichi Port	3
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	13
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	4
Osaka City	26	Osaka Port	10
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	7
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(1)
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	tr(1)
	32	Hiroshima Bay	tr(2)
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	5
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	27
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(2)
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	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

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

Monitored year : 2020

Detection Frequency (site) : 3/46 (Missing value : 0)

Detection Frequency (sample) : 3/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)
Saitama Pref.	10	Akigase-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(2)
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 35/46 (Missing value : 0)

Detection Frequency (sample) : 35/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	3
Median	3
Maximum	58
Minimum	nd

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

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

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed 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 : 2020

Detection Frequency (site) : 2/46 (Missing value : 0)

Detection Frequency (sample) : 2/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)
Saitama Pref.	10	Akigase-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(2)
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	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 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 37/46 (Missing value : 0)

Detection Frequency (sample) : 37/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	8
Median	8
Maximum	190
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	17
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	5
Akita Pref.	4	Lake Hachiro	10
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4
Fukushima Pref.	6	Onahama Port	5
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	5
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	6
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	190
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	9
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	7
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	67
	13	Mouth of Riv. Sumida (Minato Ward)	55
Yokohama City	14	Yokohama Port	36
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	6
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(1)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	14
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	14
Nagano Pref.	19	Lake Suwa (center)	9
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	31
Mie Pref.	22	Yokkaichi Port	33
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	5
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	170
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	70
Osaka City	26	Osaka Port	140
Hyogo Pref.	27	Offshore of Himeji	8
Kobe City	28	Kobe Port (center)	160
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	10
Okayama Pref.	30	Offshore of Mizushima	4
Hiroshima Pref.	31	Kure Port	42
	32	Hiroshima Bay	22
Yamaguchi Pref.	33	Tokuyama Bay	4
	34	Offshore of Ube	tr(2)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	33
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	130
Saga Pref.	40	Imari Bay	tr(1)
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	11
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	160

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 10/46 (Missing value : 0)

Detection Frequency (sample) : 10/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)	6
Saitama Pref.	10	Akigase-shusuizeki 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)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(2)
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	tr(1)
Osaka City	26	Osaka Port	tr(2)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(2)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	tr(1)
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	3
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	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

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

Monitored year : 2020

Detection Frequency (site) : 2/46 (Missing value : 0)

Detection Frequency (sample) : 2/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 4/46 (Missing value : 0)

Detection Frequency (sample) : 4/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	3
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)	3
Saitama Pref.	10	Akigase-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(2)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	tr(1)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(1)
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	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 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 35/46 (Missing value : 0)

Detection Frequency (sample) : 35/46 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	2.2
Median	1.6
Maximum	100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.6
Akita Pref.	4	Lake Hachiro	1.8
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	1.2
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.5)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.6)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	39
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.8)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.5
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	14
	13	Mouth of Riv. Sumida (Minato Ward)	12
Yokohama City	14	Yokohama Port	14
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.8)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	7.2
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	3.3
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	6.3
Mie Pref.	22	Yokkaichi Port	6.5
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	32
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	50
Osaka City	26	Osaka Port	34
Hyogo Pref.	27	Offshore of Himeji	2.0
Kobe City	28	Kobe Port (center)	76
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.6
Okayama Pref.	30	Offshore of Mizushima	1.7
Hiroshima Pref.	31	Kure Port	22
	32	Hiroshima Bay	6.5
Yamaguchi Pref.	33	Tokuyama Bay	1.6
	34	Offshore of Ube	1.4
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	8.8
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	46
Saga Pref.	40	Imari Bay	1.2
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	2.7
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.4)
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	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

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

Monitored year : 2020

Detection Frequency (site) : 20/46 (Missing value : 0)

Detection Frequency (sample) : 20/46 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	tr(0.5)
Median	nd
Maximum	9.9
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.6)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.4)
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)	6.1
Saitama Pref.	10	Akigase-shusuizeki 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)	2.3
	13	Mouth of Riv. Sumida (Minato Ward)	1.5
Yokohama City	14	Yokohama Port	1.6
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.8)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	tr(0.6)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1.0
Mie Pref.	22	Yokkaichi Port	tr(0.9)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4.8
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	4.5
Osaka City	26	Osaka Port	4.0
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	6.9
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.6)
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	2.1
	32	Hiroshima Bay	tr(0.9)
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	1.4
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	4.4
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	9.9

(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

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

Monitored year : 2020

Detection Frequency (site) : 34/46 (Missing value : 0)

Detection Frequency (sample) : 34/46 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	1.1
Median	tr(0.8)
Maximum	31
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.5
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.8)
Akita Pref.	4	Lake Hachiro	tr(0.8)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	tr(0.7)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.5)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	11
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.8)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.9)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	4.1
	13	Mouth of Riv. Sumida (Minato Ward)	4.0
Yokohama City	14	Yokohama Port	4.5
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.8)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1.6
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	1.5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	2.2
Mie Pref.	22	Yokkaichi Port	2.1
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	8.0
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	13
Osaka City	26	Osaka Port	8.5
Hyogo Pref.	27	Offshore of Himeji	tr(0.8)
Kobe City	28	Kobe Port (center)	20
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.2
Okayama Pref.	30	Offshore of Mizushima	tr(0.7)
Hiroshima Pref.	31	Kure Port	5.6
	32	Hiroshima Bay	1.9
Yamaguchi Pref.	33	Tokuyama Bay	tr(0.8)
	34	Offshore of Ube	tr(0.6)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	2.7
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	12
Saga Pref.	40	Imari Bay	tr(0.6)
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1.1
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.4)
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	31

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

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed 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 : 2020

Detection Frequency (site) : 2/46 (Missing value : 0)

Detection Frequency (sample) : 2/46 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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(0.5)
Saitama Pref.	10	Akigase-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	tr(0.5)

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

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

Monitored year : 2020

Detection Frequency (site) : 10/46 (Missing value : 0)

Detection Frequency (sample) : 10/46 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	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 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)	6.0
Saitama Pref.	10	Akigase-shusuizeki 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)	nd
Yokohama City	14	Yokohama Port	tr(0.7)
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.8
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	26	Osaka Port	4.5
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	11
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	2.8
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	6.2
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	18

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 8/46 (Missing value : 0)

Detection Frequency (sample) : 8/46 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	4.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)	4.6
Saitama Pref.	10	Akigase-shusuizeki 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(0.5)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	tr(0.6)
Osaka City	26	Osaka Port	tr(0.4)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(0.4)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	tr(0.7)
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(0.4)
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	1.7

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 5/46 (Missing value : 0)

Detection Frequency (sample) : 5/46 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.2

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	7.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)	6.4
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1.6)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(1.5)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	tr(2.1)
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	7.6
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	7.9
Median	6.1
Maximum	600
Minimum	2.7

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	21
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	6.5
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	4.5
Akita Pref.	4	Lake Hachiro	5.1
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	7.2
Fukushima Pref.	6	Onahama Port	61
Ibaraki Pref.	7	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	23
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	7.2
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	600
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	17
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	7.2
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	47
	13	Mouth of Riv. Sumida (Minato Ward)	6.7
Yokohama City	14	Yokohama Port	4.8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	13
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	6.3
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	21
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.3
Nagano Pref.	19	Lake Suwa (center)	11
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	4.4
Aichi Pref.	21	Nagoya Port	3.3
Mie Pref.	22	Yokkaichi Port	5.9
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	3.6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	8.5
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	7.4
Osaka City	26	Osaka Port	8.6
Hyogo Pref.	27	Offshore of Himeji	3.1
Kobe City	28	Kobe Port (center)	3.8
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	6.1
Okayama Pref.	30	Offshore of Mizushima	63
Hiroshima Pref.	31	Kure Port	3.0
	32	Hiroshima Bay	3.2
Yamaguchi Pref.	33	Tokuyama Bay	15
	34	Offshore of Ube	3.1
	35	Offshore of Hagi	3.0
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	4.6
Kagawa Pref.	37	Takamatsu Port	6.1
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	4.7
Kitakyushu City	39	Dokai Bay	49
Saga Pref.	40	Imari Bay	2.7
Nagasaki Pref.	41	Omura Bay	2.7
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	6.8
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	4.3
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.0
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.8
Okinawa Pref.	46	Naha Port	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.

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

Monitored year : 2020

Detection Frequency (site) : 45/46 (Missing value : 0)

Detection Frequency (sample) : 45/46 (Missing value : 0)

Detection limit : *8

Quantification limit : *18

	Aggregated value
Geometric mean	37
Median	30
Maximum	350
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	28
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(13)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(11)
Akita Pref.	4	Lake Hachiro	tr(11)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(13)
Fukushima Pref.	6	Onahama Port	22
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	36
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	99
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	290
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	110
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	130
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	70
	13	Mouth of Riv. Sumida (Minato Ward)	68
Yokohama City	14	Yokohama Port	37
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	32
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	25
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	200
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	23
Nagano Pref.	19	Lake Suwa (center)	18
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(15)
Aichi Pref.	21	Nagoya Port	39
Mie Pref.	22	Yokkaichi Port	35
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	18
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	270
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	270
Osaka City	26	Osaka Port	220
Hyogo Pref.	27	Offshore of Himeji	tr(16)
Kobe City	28	Kobe Port (center)	52
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	52
Okayama Pref.	30	Offshore of Mizushima	tr(14)
Hiroshima Pref.	31	Kure Port	18
	32	Hiroshima Bay	23
Yamaguchi Pref.	33	Tokuyama Bay	tr(17)
	34	Offshore of Ube	tr(12)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	19
Kagawa Pref.	37	Takamatsu Port	230
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	21
Kitakyushu City	39	Dokai Bay	27
Saga Pref.	40	Imari Bay	tr(13)
Nagasaki Pref.	41	Omura Bay	tr(11)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	86
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	40
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	37
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	39
Okinawa Pref.	46	Naha Port	350

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

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

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

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

(Note 4) nd : Not detected

(Note 5) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

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

Monitored year : 2020

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

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

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	12
Median	10
Maximum	120
Minimum	tr(2)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	8
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(4)
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	34
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	89
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	40
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	49
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	23
	13	Mouth of Riv. Sumida (Minato Ward)	25
Yokohama City	14	Yokohama Port	15
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	9
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	73
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9
Nagano Pref.	19	Lake Suwa (center)	7
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5
Aichi Pref.	21	Nagoya Port	13
Mie Pref.	22	Yokkaichi Port	11
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	94
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	97
Osaka City	26	Osaka Port	81
Hyogo Pref.	27	Offshore of Himeji	5
Kobe City	28	Kobe Port (center)	16
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	17
Okayama Pref.	30	Offshore of Mizushima	5
Hiroshima Pref.	31	Kure Port	6
	32	Hiroshima Bay	7
Yamaguchi Pref.	33	Tokuyama Bay	5
	34	Offshore of Ube	tr(4)
	35	Offshore of Hagi	tr(2)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	6
Kagawa Pref.	37	Takamatsu Port	79
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	7
Kitakyushu City	39	Dokai Bay	9
Saga Pref.	40	Imari Bay	tr(4)
Nagasaki Pref.	41	Omura Bay	tr(4)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	26
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	12
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	12
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	12
Okinawa Pref.	46	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.

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

Monitored year : 2020

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

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

Detection limit : 2

Quantification limit : 4

	Aggregated value
Geometric mean	11
Median	8
Maximum	98
Minimum	tr(3)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	11
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	4
Akita Pref.	4	Lake Hachiro	4
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	28
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	66
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	26
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	43
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	17
	13	Mouth of Riv. Sumida (Minato Ward)	18
Yokohama City	14	Yokohama Port	8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	6
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	65
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5
Nagano Pref.	19	Lake Suwa (center)	4
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(3)
Aichi Pref.	21	Nagoya Port	12
Mie Pref.	22	Yokkaichi Port	9
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	83
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	75
Osaka City	26	Osaka Port	64
Hyogo Pref.	27	Offshore of Himeji	5
Kobe City	28	Kobe Port (center)	19
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	14
Okayama Pref.	30	Offshore of Mizushima	4
Hiroshima Pref.	31	Kure Port	6
	32	Hiroshima Bay	7
Yamaguchi Pref.	33	Tokuyama Bay	6
	34	Offshore of Ube	4
	35	Offshore of Hagi	tr(3)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	6
Kagawa Pref.	37	Takamatsu Port	57
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	6
Kitakyushu City	39	Dokai Bay	9
Saga Pref.	40	Imari Bay	4
Nagasaki Pref.	41	Omura Bay	tr(3)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	23
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	11
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	10
Okinawa Pref.	46	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 surveyed sites).

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 21/46 (Missing value : 0)

Detection Frequency (sample) : 21/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	tr(1)
Median	nd
Maximum	8
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 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(1)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	3
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	6
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	3
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	3
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(2)
	13	Mouth of Riv. Sumida (Minato Ward)	tr(2)
Yokohama City	14	Yokohama Port	tr(1)
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(1)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	3
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	tr(1)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	8
Osaka City	26	Osaka Port	4
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(2)
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	6
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	4
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	tr(2)
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(1)
Okinawa Pref.	46	Naha Port	6

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

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

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

Detection limit : 0.5

Quantification limit : 1.3

	Aggregated value
Geometric mean	3.8
Median	2.8
Maximum	39
Minimum	tr(0.6)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.3
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.9)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(1.0)
Akita Pref.	4	Lake Hachiro	tr(1.1)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(1.0)
Fukushima Pref.	6	Onahama Port	2.4
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4.1
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	8.6
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	38
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	11
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	9.0
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	9.7
	13	Mouth of Riv. Sumida (Minato Ward)	7.8
Yokohama City	14	Yokohama Port	4.1
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	2.7
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.6
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	16
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.3
Nagano Pref.	19	Lake Suwa (center)	2.1
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.6
Aichi Pref.	21	Nagoya Port	4.4
Mie Pref.	22	Yokkaichi Port	4.7
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	1.8
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	22
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	26
Osaka City	26	Osaka Port	20
Hyogo Pref.	27	Offshore of Himeji	1.8
Kobe City	28	Kobe Port (center)	3.8
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.1
Okayama Pref.	30	Offshore of Mizushima	1.5
Hiroshima Pref.	31	Kure Port	2.1
	32	Hiroshima Bay	2.7
Yamaguchi Pref.	33	Tokuyama Bay	1.6
	34	Offshore of Ube	1.4
	35	Offshore of Hagi	tr(0.6)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	1.8
Kagawa Pref.	37	Takamatsu Port	24
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	2.0
Kitakyushu City	39	Dokai Bay	3.0
Saga Pref.	40	Imari Bay	1.7
Nagasaki Pref.	41	Omura Bay	tr(1.1)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	11
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	4.5
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.0
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.9
Okinawa Pref.	46	Naha Port	39

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

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 45/46 (Missing value : 0)

Detection Frequency (sample) : 45/46 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	9
Median	8
Maximum	95
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(4)
Fukushima Pref.	6	Onahama Port	6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	25
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	95
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	27
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	28
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	18
	13	Mouth of Riv. Sumida (Minato Ward)	15
Yokohama City	14	Yokohama Port	9
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	46
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	7
Nagano Pref.	19	Lake Suwa (center)	5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5
Aichi Pref.	21	Nagoya Port	10
Mie Pref.	22	Yokkaichi Port	9
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(4)
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	64
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	62
Osaka City	26	Osaka Port	47
Hyogo Pref.	27	Offshore of Himeji	tr(4)
Kobe City	28	Kobe Port (center)	13
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	14
Okayama Pref.	30	Offshore of Mizushima	tr(3)
Hiroshima Pref.	31	Kure Port	tr(4)
	32	Hiroshima Bay	6
Yamaguchi Pref.	33	Tokuyama Bay	tr(4)
	34	Offshore of Ube	tr(3)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	5
Kagawa Pref.	37	Takamatsu Port	62
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	6
Kitakyushu City	39	Dokai Bay	6
Saga Pref.	40	Imari Bay	tr(3)
Nagasaki Pref.	41	Omura Bay	tr(3)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	22
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	10
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	11
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 28/46 (Missing value : 0)

Detection Frequency (sample) : 28/46 (Missing value : 0)

Detection limit : *3

Quantification limit : *7

	Aggregated value
Geometric mean	tr(4)
Median	tr(4)
Maximum	37
Minimum	nd

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

(Note 5) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

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

Monitored year : 2020

Detection Frequency (site) : 5/46 (Missing value : 0)

Detection Frequency (sample) : 5/46 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1)
Iwate Pref.	2	Toyosawa 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(1)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(2)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 44/46 (Missing value : 0)

Detection Frequency (sample) : 44/46 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.3

	Aggregated value
Geometric mean	4.0
Median	3.4
Maximum	36
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	36
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.3)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(1.3)
Akita Pref.	4	Lake Hachiro	tr(1.7)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	2.3
Fukushima Pref.	6	Onahama Port	tr(1.4)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	9.2
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	26
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	14
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	13
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	7.9
	13	Mouth of Riv. Sumida (Minato Ward)	9.5
Yokohama City	14	Yokohama Port	4.8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	3.8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	4.1
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	16
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.5)
Nagano Pref.	19	Lake Suwa (center)	2.9
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(1.0)
Aichi Pref.	21	Nagoya Port	3.7
Mie Pref.	22	Yokkaichi Port	3.2
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(2.1)
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	34
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	36
Osaka City	26	Osaka Port	23
Hyogo Pref.	27	Offshore of Himeji	tr(1.4)
Kobe City	28	Kobe Port (center)	2.9
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.4
Okayama Pref.	30	Offshore of Mizushima	tr(1.7)
Hiroshima Pref.	31	Kure Port	tr(1.1)
	32	Hiroshima Bay	tr(1.7)
Yamaguchi Pref.	33	Tokuyama Bay	tr(1.0)
	34	Offshore of Ube	tr(1.0)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	4.6
Kagawa Pref.	37	Takamatsu Port	19
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	tr(1.6)
Kitakyushu City	39	Dokai Bay	2.6
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	tr(1.5)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	6.5
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	3.5
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	3.7
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	16
Okinawa Pref.	46	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

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

Monitored year : 2020

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

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

Detection limit : 0.7

Quantification limit : 1.9

	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 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

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

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

Detection limit : 30

Quantification limit : 80

	Aggregated value
Geometric mean	330
Median	260
Maximum	3,700
Minimum	tr(52)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(78)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	110
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	97
Akita Pref.	4	Lake Hachiro	250
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	430
Fukushima Pref.	6	Onahama Port	110
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	700
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	1,200
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	710
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1,200
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	3,700
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	820
	13	Mouth of Riv. Sumida (Minato Ward)	1,600
Yokohama City	14	Yokohama Port	1,500
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	180
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	170
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	2,200
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	140
Nagano Pref.	19	Lake Suwa (center)	280
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	140
Aichi Pref.	21	Nagoya Port	730
Mie Pref.	22	Yokkaichi Port	330
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	470
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2,300
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	1,600
Osaka City	26	Osaka Port	2,500
Hyogo Pref.	27	Offshore of Himeji	190
Kobe City	28	Kobe Port (center)	550
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	250
Okayama Pref.	30	Offshore of Mizushima	180
Hiroshima Pref.	31	Kure Port	370
	32	Hiroshima Bay	350
Yamaguchi Pref.	33	Tokuyama Bay	tr(72)
	34	Offshore of Ube	110
	35	Offshore of Hagi	tr(52)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	120
Kagawa Pref.	37	Takamatsu Port	690
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	tr(55)
Kitakyushu City	39	Dokai Bay	250
Saga Pref.	40	Imari Bay	tr(53)
Nagasaki Pref.	41	Omura Bay	190
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	330
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	120
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	110
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	170
Okinawa Pref.	46	Naha Port	2,400

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

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

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

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

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

Monitored year : 2020

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

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

Detection limit : 30

Quantification limit : 90

	Aggregated value
Geometric mean	1,100
Median	920
Maximum	16,000
Minimum	220

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	410
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	410
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	380
Akita Pref.	4	Lake Hachiro	1,600
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	620
Fukushima Pref.	6	Onahama Port	700
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3,100
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	1,700
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3,200
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	2,400
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	3,800
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,300
	13	Mouth of Riv. Sumida (Minato Ward)	1,400
Yokohama City	14	Yokohama Port	1,000
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	620
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	530
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	7,600
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	520
Nagano Pref.	19	Lake Suwa (center)	660
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	390
Aichi Pref.	21	Nagoya Port	1,400
Mie Pref.	22	Yokkaichi Port	2,100
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	3,300
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7,100
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	16,000
Osaka City	26	Osaka Port	9,900
Hyogo Pref.	27	Offshore of Himeji	840
Kobe City	28	Kobe Port (center)	1,700
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,900
Okayama Pref.	30	Offshore of Mizushima	710
Hiroshima Pref.	31	Kure Port	360
	32	Hiroshima Bay	480
Yamaguchi Pref.	33	Tokuyama Bay	270
	34	Offshore of Ube	330
	35	Offshore of Hagi	720
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	490
Kagawa Pref.	37	Takamatsu Port	2,200
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	920
Kitakyushu City	39	Dokai Bay	920
Saga Pref.	40	Imari Bay	790
Nagasaki Pref.	41	Omura Bay	1,900
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1,300
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	910
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	220
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	410
Okinawa Pref.	46	Naha Port	360

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

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

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

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

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

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	7
Median	5
Maximum	500
Minimum	tr(2)

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

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

Monitored year : 2020

Detection Frequency (site) : 1/46 (Missing value : 0)

Detection Frequency (sample) : 1/46 (Missing value : 0)

Detection limit : 40

Quantification limit : 100

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	490
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	490
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 5/46 (Missing value : 0)

Detection Frequency (sample) : 5/46 (Missing value : 0)

Detection limit : *1,000

Quantification limit : *2,500

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	7,800
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1,400)
Iwate Pref.	2	Toyosawa 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)	3,800
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-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1,000)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	7,800
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	2,800
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

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

Monitored year : 2020

Detection Frequency (site) : 16/46 (Missing value : 0)

Detection Frequency (sample) : 16/46 (Missing value : 0)

Detection limit : 200

Quantification limit : 400

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,800
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	630
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(340)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(360)
Akita Pref.	4	Lake Hachiro	tr(240)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(370)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(300)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(310)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	600
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	1,800
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(210)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	tr(240)
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	tr(260)
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(230)
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	tr(220)
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(280)
Okinawa Pref.	46	Naha Port	tr(230)

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

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

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

(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 : 2020

Detection Frequency (site) : 4/46 (Missing value : 0)

Detection Frequency (sample) : 4/46 (Missing value : 0)

Detection limit : 300

Quantification limit : 900

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2,400
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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(470)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(440)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	2,400
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	970
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 4/46 (Missing value : 0)

Detection Frequency (sample) : 4/46 (Missing value : 0)

Detection limit : 300

Quantification limit : 700

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2,600
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	790
Iwate Pref.	2	Toyosawa 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)	2,600
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-shusuizeki 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)	1,600
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	1,100
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 8/46 (Missing value : 0)

Detection Frequency (sample) : 8/46 (Missing value : 0)

Detection limit : 200

Quantification limit : 500

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	2,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa 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)	890
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)	2,000
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(210)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	tr(350)
	34	Offshore of Ube	tr(260)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	tr(200)
Kagawa Pref.	37	Takamatsu Port	tr(380)
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	750
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

[24] Dicofol/surface water (pg/L)

Monitored year : 2020

Detection Frequency (site) : 1/46 (Missing value : 0)

Detection Frequency (sample) : 1/46 (Missing value : 0)

Detection limit : 5

Quantification limit : 13

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	30
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	30
Iwate Pref.	2	Toyosawa 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-shusuizeki 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
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	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

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

Monitored year : 2020

Detection Frequency (site) : 44/46 (Missing value : 0)

Detection Frequency (sample) : 44/46 (Missing value : 0)

Detection limit : 20

Quantification limit : 60

	Aggregated value
Geometric mean	160
Median	120
Maximum	1,500
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(47)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(48)
Akita Pref.	4	Lake Hachiro	74
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	230
Fukushima Pref.	6	Onahama Port	80
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	620
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	1,300
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	820
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	730
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	540
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	440
	13	Mouth of Riv. Sumida (Minato Ward)	830
Yokohama City	14	Yokohama Port	390
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	110
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	62
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	960
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(29)
Nagano Pref.	19	Lake Suwa (center)	140
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	69
Aichi Pref.	21	Nagoya Port	210
Mie Pref.	22	Yokkaichi Port	220
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	280
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,500
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	900
Osaka City	26	Osaka Port	1,000
Hyogo Pref.	27	Offshore of Himeji	89
Kobe City	28	Kobe Port (center)	160
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	110
Okayama Pref.	30	Offshore of Mizushima	88
Hiroshima Pref.	31	Kure Port	93
	32	Hiroshima Bay	170
Yamaguchi Pref.	33	Tokuyama Bay	tr(48)
	34	Offshore of Ube	61
	35	Offshore of Hagi	tr(35)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	tr(49)
Kagawa Pref.	37	Takamatsu Port	370
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	95
Saga Pref.	40	Imari Bay	tr(58)
Nagasaki Pref.	41	Omura Bay	150
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	500
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	tr(43)
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	110
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	110
Okinawa Pref.	46	Naha Port	510

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

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

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

(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 : 2020

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

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

Detection limit : *3.1

Quantification limit : *8.2

	Aggregated value
Geometric mean	4,600
Median	6,200
Maximum	400,000
Minimum	30

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1,000
	2	Tomakomai Port	7,800
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	100
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	3,500
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	280
Akita Pref.	6	Lake Hachiro	2,500
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	990
Fukushima Pref.	8	Onahama Port	26,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	3,100
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	380
Chiba Pref.	11	Coast of Ichihara and Anegasaki	15,000
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	220
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	79,000
	14	Mouth of Riv. Sumida (Minato Ward)	160,000
Yokohama City	15	Yokohama Port	54,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	330
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1,000
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	5,000
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,900
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	110
Nagano Pref.	21	Lake Suwa (center)	5,500
Shizuoka Pref.	22	Shimizu Port	12,000
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	110
Aichi Pref.	24	Kinuura Port	7,100
	25	Nagoya Port	24,000
Mie Pref.	26	Yokkaichi Port	35,000
	27	Toba Port	51,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	6,300
	29	Lake Biwa (center, offshore of Karasaki)	15,000
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	13,000
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	12,000
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	52,000
	34	Mouth of Riv. Yodo (Osaka City)	77,000
	32	Osaka Port	400,000
	33	Outside Osaka Port	130,000
Hyogo Pref.	36	Offshore of Himeji	12,000
Kobe City	37	Kobe Port (center)	180,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	800
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	8,600
Okayama Pref.	40	Offshore of Mizushima	4,800
Hiroshima Pref.	41	Kure Port	77,000
	42	Hiroshima Bay	16,000
Yamaguchi Pref.	43	Tokuyama Bay	4,400
	44	Offshore of Ube	3,600
	45	Offshore of Hagi	1,000
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	530
Kagawa Pref.	47	Takamatsu Port	39,000
Ehime Pref.	48	Niihama Port	420
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	250
Kitakyushu City	50	Dokai Bay	240,000
Fukuoka City	51	Hakata Bay	7,000
Saga Pref.	52	Imari Bay	6,100
Nagasaki Pref.	53	Omura Bay	6,700
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	800
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	36
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	30
	57	Riv. Gotanda (Ichikikushikino City)	52
Okinawa Pref.	58	Naha Port	85,000

(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 : 2020

Detection Frequency (site) : 57/58 (Missing value : 0)

Detection Frequency (sample) : 57/58 (Missing value : 0)

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	20
Median	34
Maximum	950
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.3
	2	Tomakomai Port	32
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	53
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.1)
Akita Pref.	6	Lake Hachiro	12
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.0
Fukushima Pref.	8	Onahama Port	310
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	17
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	1.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	35
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	0.7
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	210
	14	Mouth of Riv. Sumida (Minato Ward)	500
Yokohama City	15	Yokohama Port	270
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.3
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	100
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	5.5
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9.3
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.5
Nagano Pref.	21	Lake Suwa (center)	31
Shizuoka Pref.	22	Shimizu Port	53
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	0.7
Aichi Pref.	24	Kinuura Port	42
	25	Nagoya Port	110
Mie Pref.	26	Yokkaichi Port	110
	27	Toba Port	48
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	32
	29	Lake Biwa (center, offshore of Karasaki)	60
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	110
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	78
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	150
	34	Mouth of Riv. Yodo (Osaka City)	170
	32	Osaka Port	950
	33	Outside Osaka Port	640
Hyogo Pref.	36	Offshore of Himeji	100
Kobe City	37	Kobe Port (center)	220
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.2
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	250
Okayama Pref.	40	Offshore of Mizushima	25
Hiroshima Pref.	41	Kure Port	84
	42	Hiroshima Bay	71
Yamaguchi Pref.	43	Tokuyama Bay	32
	44	Offshore of Ube	30
	45	Offshore of Hagi	7.1
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	2.0
Kagawa Pref.	47	Takamatsu Port	75
Ehime Pref.	48	Niihama Port	3.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	2.2
Kitakyushu City	50	Dokai Bay	640
Fukuoka City	51	Hakata Bay	45
Saga Pref.	52	Imari Bay	33
Nagasaki Pref.	53	Omura Bay	46
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	6.4
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	0.5
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	0.4
	57	Riv. Gotanda (Ichikikushikino City)	0.4
Okinawa Pref.	58	Naha Port	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

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

Monitored year : 2020

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

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

Detection limit : 0.2

Quantification limit : 0.6

	Aggregated value
Geometric mean	200
Median	310
Maximum	14,000
Minimum	1.0

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	84
	2	Tomakomai Port	850
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	1.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	370
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2.8
Akita Pref.	6	Lake Hachiro	38
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	18
Fukushima Pref.	8	Onahama Port	3,200
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	100
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	32
Chiba Pref.	11	Coast of Ichihara and Anegasaki	370
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6.7
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	3,000
	14	Mouth of Riv. Sumida (Minato Ward)	4,500
Yokohama City	15	Yokohama Port	1,300
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	20
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	28
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	150
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	35
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	6.1
Nagano Pref.	21	Lake Suwa (center)	110
Shizuoka Pref.	22	Shimizu Port	930
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	7.6
Aichi Pref.	24	Kinuura Port	400
	25	Nagoya Port	1,700
Mie Pref.	26	Yokkaichi Port	1,800
	27	Toba Port	330
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	170
	29	Lake Biwa (center, offshore of Karasaki)	600
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2,000
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	1,300
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,700
	34	Mouth of Riv. Yodo (Osaka City)	3,300
	32	Osaka Port	14,000
	33	Outside Osaka Port	7,900
Hyogo Pref.	36	Offshore of Himeji	920
Kobe City	37	Kobe Port (center)	3,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	34
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2,100
Okayama Pref.	40	Offshore of Mizushima	150
Hiroshima Pref.	41	Kure Port	1,000
	42	Hiroshima Bay	810
Yamaguchi Pref.	43	Tokuyama Bay	170
	44	Offshore of Ube	220
	45	Offshore of Hagi	49
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	13
Kagawa Pref.	47	Takamatsu Port	1,700
Ehime Pref.	48	Niihama Port	26
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	5.6
Kitakyushu City	50	Dokai Bay	5,100
Fukuoka City	51	Hakata Bay	460
Saga Pref.	52	Imari Bay	290
Nagasaki Pref.	53	Omura Bay	390
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	82
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	9.8
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	7.8
	57	Riv. Gotanda (Ichikikushikino City)	2.6
Okinawa Pref.	58	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.

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

Monitored year : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	620
Median	880
Maximum	90,000
Minimum	4.5

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	170
	2	Tomakomai Port	980
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4.5
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	370
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	14
Akita Pref.	6	Lake Hachiro	140
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	99
Fukushima Pref.	8	Onahama Port	7,200
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	410
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	130
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2,200
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	38
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	22,000
	14	Mouth of Riv. Sumida (Minato Ward)	33,000
Yokohama City	15	Yokohama Port	5,800
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	61
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	140
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1,100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	300
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	9.7
Nagano Pref.	21	Lake Suwa (center)	470
Shizuoka Pref.	22	Shimizu Port	3,500
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	19
Aichi Pref.	24	Kinuura Port	1,200
	25	Nagoya Port	6,700
Mie Pref.	26	Yokkaichi Port	9,000
	27	Toba Port	930
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	680
	29	Lake Biwa (center, offshore of Karasaki)	2,000
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4,000
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	1,600
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8,700
	34	Mouth of Riv. Yodo (Osaka City)	16,000
	32	Osaka Port	90,000
	33	Outside Osaka Port	33,000
Hyogo Pref.	36	Offshore of Himeji	2,400
Kobe City	37	Kobe Port (center)	13,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	40
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	900
Okayama Pref.	40	Offshore of Mizushima	280
Hiroshima Pref.	41	Kure Port	4,100
	42	Hiroshima Bay	2,100
Yamaguchi Pref.	43	Tokuyama Bay	350
	44	Offshore of Ube	520
	45	Offshore of Hagi	94
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	54
Kagawa Pref.	47	Takamatsu Port	12,000
Ehime Pref.	48	Niihama Port	65
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	50	Dokai Bay	41,000
Fukuoka City	51	Hakata Bay	1,300
Saga Pref.	52	Imari Bay	860
Nagasaki Pref.	53	Omura Bay	900
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	300
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	5.9
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6.5
	57	Riv. Gotanda (Ichikikushikino City)	6.0
Okinawa Pref.	58	Naha Port	4,400

(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.

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

Monitored year : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	1,000
Median	1,400
Maximum	140,000
Minimum	5.6

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	240
	2	Tomakomai Port	1,900
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	20
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	620
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	28
Akita Pref.	6	Lake Hachiro	390
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	190
Fukushima Pref.	8	Onahama Port	7,800
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	840
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	110
Chiba Pref.	11	Coast of Ichihara and Anegasaki	4,500
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	65
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	31,000
	14	Mouth of Riv. Sumida (Minato Ward)	63,000
Yokohama City	15	Yokohama Port	13,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	92
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	320
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1,800
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,200
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	19
Nagano Pref.	21	Lake Suwa (center)	1,200
Shizuoka Pref.	22	Shimizu Port	3,700
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	25
Aichi Pref.	24	Kinuura Port	1,800
	25	Nagoya Port	8,300
Mie Pref.	26	Yokkaichi Port	11,000
	27	Toba Port	2,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,400
	29	Lake Biwa (center, offshore of Karasaki)	3,000
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2,900
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,500
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14,000
	34	Mouth of Riv. Yodo (Osaka City)	23,000
	32	Osaka Port	140,000
	33	Outside Osaka Port	39,000
Hyogo Pref.	36	Offshore of Himeji	2,600
Kobe City	37	Kobe Port (center)	23,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	150
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.	40	Offshore of Mizushima	310
Hiroshima Pref.	41	Kure Port	9,100
	42	Hiroshima Bay	2,800
Yamaguchi Pref.	43	Tokuyama Bay	520
	44	Offshore of Ube	860
	45	Offshore of Hagi	150
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	110
Kagawa Pref.	47	Takamatsu Port	14,000
Ehime Pref.	48	Niihama Port	82
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	52
Kitakyushu City	50	Dokai Bay	110,000
Fukuoka City	51	Hakata Bay	2,100
Saga Pref.	52	Imari Bay	1,000
Nagasaki Pref.	53	Omura Bay	1,600
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	260
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	5.6
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	5.9
	57	Riv. Gotanda (Ichikikushikino City)	8.7
Okinawa Pref.	58	Naha Port	9,800

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 56/58 (Missing value : 0)

Detection Frequency (sample) : 56/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	21
Median	30
Maximum	2,500
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	4.1
	2	Tomakomai Port	29
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	1.2
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	14
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.6)
Akita Pref.	6	Lake Hachiro	14
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.6
Fukushima Pref.	8	Onahama Port	140
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	16
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.7
Chiba Pref.	11	Coast of Ichihara and Anegasaki	91
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.3
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	550
	14	Mouth of Riv. Sumida (Minato Ward)	1,600
Yokohama City	15	Yokohama Port	160
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	2.4
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	4.5
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	28
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.2
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.5)
Nagano Pref.	21	Lake Suwa (center)	38
Shizuoka Pref.	22	Shimizu Port	91
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.5)
Aichi Pref.	24	Kinuura Port	38
	25	Nagoya Port	85
Mie Pref.	26	Yokkaichi Port	150
	27	Toba Port	31
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	46
	29	Lake Biwa (center, offshore of Karasaki)	140
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	36
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	54
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	34	Mouth of Riv. Yodo (Osaka City)	470
	32	Osaka Port	2,500
	33	Outside Osaka Port	630
Hyogo Pref.	36	Offshore of Himeji	180
Kobe City	37	Kobe Port (center)	380
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	230
Okayama Pref.	40	Offshore of Mizushima	8.1
Hiroshima Pref.	41	Kure Port	120
	42	Hiroshima Bay	51
Yamaguchi Pref.	43	Tokuyama Bay	12
	44	Offshore of Ube	15
	45	Offshore of Hagi	3.4
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	2.2
Kagawa Pref.	47	Takamatsu Port	260
Ehime Pref.	48	Niihama Port	1.9
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	1.5
Kitakyushu City	50	Dokai Bay	1,400
Fukuoka City	51	Hakata Bay	41
Saga Pref.	52	Imari Bay	22
Nagasaki Pref.	53	Omura Bay	48
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	3.2
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	58	Naha Port	69

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 44/58 (Missing value : 0)

Detection Frequency (sample) : 44/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	2.1
Median	2.6
Maximum	150
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.5)
	2	Tomakomai Port	2.6
Iwate Pref.	3	Toyosawa 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	1.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.7)
Fukushima Pref.	8	Onahama Port	11
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	5.6
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	24
	14	Mouth of Riv. Sumida (Minato Ward)	55
Yokohama City	15	Yokohama Port	17
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.5)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1.9
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	3.0
Shizuoka Pref.	22	Shimizu Port	5.1
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	2.5
	25	Nagoya Port	6.2
Mie Pref.	26	Yokkaichi Port	11
	27	Toba Port	3.8
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	4.3
	29	Lake Biwa (center, offshore of Karasaki)	10
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3.3
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	5.0
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	29
	34	Mouth of Riv. Yodo (Osaka City)	34
	32	Osaka Port	150
	33	Outside Osaka Port	31
Hyogo Pref.	36	Offshore of Himeji	4.8
Kobe City	37	Kobe Port (center)	30
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.1
Okayama Pref.	40	Offshore of Mizushima	tr(0.6)
Hiroshima Pref.	41	Kure Port	20
	42	Hiroshima Bay	5.1
Yamaguchi Pref.	43	Tokuyama Bay	1.1
	44	Offshore of Ube	1.5
	45	Offshore of Hagi	tr(0.3)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(0.3)
Kagawa Pref.	47	Takamatsu Port	20
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	97
Fukuoka City	51	Hakata Bay	3.7
Saga Pref.	52	Imari Bay	1.8
Nagasaki Pref.	53	Omura Bay	2.9
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	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.

(Note 4) nd : Not detected

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

Monitored year : 2020

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	940
Median	1,300
Maximum	80,000
Minimum	6.2

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	270
	2	Tomakomai Port	1,300
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	50
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	690
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	74
Akita Pref.	6	Lake Hachiro	1,000
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	370
Fukushima Pref.	8	Onahama Port	3,800
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	840
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	59
Chiba Pref.	11	Coast of Ichihara and Anegasaki	3,600
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	54
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	14,000
	14	Mouth of Riv. Sumida (Minato Ward)	34,000
Yokohama City	15	Yokohama Port	12,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	92
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	240
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1,100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	330
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	38
Nagano Pref.	21	Lake Suwa (center)	1,700
Shizuoka Pref.	22	Shimizu Port	1,500
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	32
Aichi Pref.	24	Kinuura Port	1,400
	25	Nagoya Port	3,800
Mie Pref.	26	Yokkaichi Port	6,200
	27	Toba Port	4,600
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,900
	29	Lake Biwa (center, offshore of Karasaki)	4,300
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2,200
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,800
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14,000
	34	Mouth of Riv. Yodo (Osaka City)	20,000
	32	Osaka Port	80,000
	33	Outside Osaka Port	22,000
Hyogo Pref.	36	Offshore of Himeji	2,100
Kobe City	37	Kobe Port (center)	31,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	310
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,700
Okayama Pref.	40	Offshore of Mizushima	250
Hiroshima Pref.	41	Kure Port	15,000
	42	Hiroshima Bay	3,200
Yamaguchi Pref.	43	Tokuyama Bay	720
	44	Offshore of Ube	630
	45	Offshore of Hagi	150
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	150
Kagawa Pref.	47	Takamatsu Port	6,000
Ehime Pref.	48	Niihama Port	48
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	66
Kitakyushu City	50	Dokai Bay	51,000
Fukuoka City	51	Hakata Bay	1,500
Saga Pref.	52	Imari Bay	960
Nagasaki Pref.	53	Omura Bay	1,300
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	86
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	7.7
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6.2
	57	Riv. Gotanda (Ichikikushikino City)	13
Okinawa Pref.	58	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.

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

Monitored year : 2020

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	58
Median	90
Maximum	4,700
Minimum	tr(0.6)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	20
	2	Tomakomai Port	90
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	46
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.6
Akita Pref.	6	Lake Hachiro	63
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	25
Fukushima Pref.	8	Onahama Port	300
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	55
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	4.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	220
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	4.6
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	590
	14	Mouth of Riv. Sumida (Minato Ward)	1,600
Yokohama City	15	Yokohama Port	740
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	6.0
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	18
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	69
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.0
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	3.3
Nagano Pref.	21	Lake Suwa (center)	97
Shizuoka Pref.	22	Shimizu Port	140
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.8
Aichi Pref.	24	Kinuura Port	90
	25	Nagoya Port	170
Mie Pref.	26	Yokkaichi Port	300
	27	Toba Port	160
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	150
	29	Lake Biwa (center, offshore of Karasaki)	370
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	94
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	210
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	790
	34	Mouth of Riv. Yodo (Osaka City)	960
	32	Osaka Port	4,700
	33	Outside Osaka Port	780
Hyogo Pref.	36	Offshore of Himeji	110
Kobe City	37	Kobe Port (center)	1,500
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	21
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	130
Okayama Pref.	40	Offshore of Mizushima	14
Hiroshima Pref.	41	Kure Port	530
	42	Hiroshima Bay	140
Yamaguchi Pref.	43	Tokuyama Bay	22
	44	Offshore of Ube	38
	45	Offshore of Hagi	9.3
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	11
Kagawa Pref.	47	Takamatsu Port	490
Ehime Pref.	48	Niihama Port	3.0
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	5.7
Kitakyushu City	50	Dokai Bay	4,100
Fukuoka City	51	Hakata Bay	120
Saga Pref.	52	Imari Bay	73
Nagasaki Pref.	53	Omura Bay	99
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	5.2
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.9)
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	tr(0.6)
	57	Riv. Gotanda (Ichikikushikino City)	1.1
Okinawa Pref.	58	Naha Port	400

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

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 44/58 (Missing value : 0)

Detection Frequency (sample) : 44/58 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	3.7
Median	5.1
Maximum	310
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.5
	2	Tomakomai Port	7.9
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	3.9
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.4)
Akita Pref.	6	Lake Hachiro	3.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	21
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	4.0
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)	43
	14	Mouth of Riv. Sumida (Minato Ward)	120
Yokohama City	15	Yokohama Port	51
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.4
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	5.1
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	6.4
Shizuoka Pref.	22	Shimizu Port	8.4
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	5.1
	25	Nagoya Port	11
Mie Pref.	26	Yokkaichi Port	16
	27	Toba Port	28
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	11
	29	Lake Biwa (center, offshore of Karasaki)	26
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.0
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	14
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	57
	34	Mouth of Riv. Yodo (Osaka City)	74
	32	Osaka Port	310
	33	Outside Osaka Port	48
Hyogo Pref.	36	Offshore of Himeji	5.6
Kobe City	37	Kobe Port (center)	75
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.5
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	9.9
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	17
	42	Hiroshima Bay	6.1
Yamaguchi Pref.	43	Tokuyama Bay	tr(0.7)
	44	Offshore of Ube	2.8
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(0.7)
Kagawa Pref.	47	Takamatsu Port	36
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	50	Dokai Bay	310
Fukuoka City	51	Hakata Bay	6.5
Saga Pref.	52	Imari Bay	4.8
Nagasaki Pref.	53	Omura Bay	4.7
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	21

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

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

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

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	150
Median	210
Maximum	12,000
Minimum	1.3

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	45
	2	Tomakomai Port	190
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	10
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	150
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	13
Akita Pref.	6	Lake Hachiro	180
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	64
Fukushima Pref.	8	Onahama Port	660
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	130
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	9.9
Chiba Pref.	11	Coast of Ichihara and Anegasaki	610
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	9.6
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	2,100
	14	Mouth of Riv. Sumida (Minato Ward)	5,300
Yokohama City	15	Yokohama Port	2,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	15
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	40
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	190
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	6.9
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	8.0
Nagano Pref.	21	Lake Suwa (center)	240
Shizuoka Pref.	22	Shimizu Port	290
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.6
Aichi Pref.	24	Kinuura Port	280
	25	Nagoya Port	560
Mie Pref.	26	Yokkaichi Port	1,100
	27	Toba Port	490
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	350
	29	Lake Biwa (center, offshore of Karasaki)	790
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	320
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	430
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,300
	34	Mouth of Riv. Yodo (Osaka City)	3,000
	32	Osaka Port	12,000
	33	Outside Osaka Port	3,200
Hyogo Pref.	36	Offshore of Himeji	380
Kobe City	37	Kobe Port (center)	4,900
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	46
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	300
Okayama Pref.	40	Offshore of Mizushima	42
Hiroshima Pref.	41	Kure Port	2,000
	42	Hiroshima Bay	510
Yamaguchi Pref.	43	Tokuyama Bay	83
	44	Offshore of Ube	110
	45	Offshore of Hagi	26
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	25
Kagawa Pref.	47	Takamatsu Port	1,000
Ehime Pref.	48	Niihama Port	8.6
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	13
Kitakyushu City	50	Dokai Bay	8,100
Fukuoka City	51	Hakata Bay	320
Saga Pref.	52	Imari Bay	180
Nagasaki Pref.	53	Omura Bay	230
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	13
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	2.0
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	1.3
	57	Riv. Gotanda (Ichikikushikino City)	2.4
Okinawa Pref.	58	Naha Port	1,300

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 44/58 (Missing value : 0)

Detection Frequency (sample) : 44/58 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	3.5
Median	4.8
Maximum	260
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.9)
	2	Tomakomai Port	4.5
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.9
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	3.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.5
Fukushima Pref.	8	Onahama Port	15
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	3.1
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	9.0
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	35
	14	Mouth of Riv. Sumida (Minato Ward)	93
Yokohama City	15	Yokohama Port	37
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	3.7
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	5.1
Shizuoka Pref.	22	Shimizu Port	8.3
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	5.4
	25	Nagoya Port	12
Mie Pref.	26	Yokkaichi Port	21
	27	Toba Port	7.4
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	8.3
	29	Lake Biwa (center, offshore of Karasaki)	20
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.2
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	48
	34	Mouth of Riv. Yodo (Osaka City)	61
	32	Osaka Port	260
	33	Outside Osaka Port	56
Hyogo Pref.	36	Offshore of Himeji	7.3
Kobe City	37	Kobe Port (center)	78
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.1
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	7.5
Okayama Pref.	40	Offshore of Mizushima	tr(0.9)
Hiroshima Pref.	41	Kure Port	33
	42	Hiroshima Bay	10
Yamaguchi Pref.	43	Tokuyama Bay	1.3
	44	Offshore of Ube	2.4
	45	Offshore of Hagi	tr(0.7)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(0.6)
Kagawa Pref.	47	Takamatsu Port	25
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	230
Fukuoka City	51	Hakata Bay	7.7
Saga Pref.	52	Imari Bay	4.0
Nagasaki Pref.	53	Omura Bay	6.5
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	25

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 44/58 (Missing value : 0)

Detection Frequency (sample) : 44/58 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	Aggregated value
Geometric mean	2.3
Median	3.6
Maximum	65
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.4)
	2	Tomakomai Port	5.5
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.2
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.3
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.5)
Fukushima Pref.	8	Onahama Port	17
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	3.5
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	7.7
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	25
	14	Mouth of Riv. Sumida (Minato Ward)	40
Yokohama City	15	Yokohama Port	13
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.4)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.0
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	5.8
Shizuoka Pref.	22	Shimizu Port	3.7
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	3.5
	25	Nagoya Port	4.1
Mie Pref.	26	Yokkaichi Port	8.2
	27	Toba Port	4.6
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	15
	29	Lake Biwa (center, offshore of Karasaki)	14
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.2
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	10
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
	34	Mouth of Riv. Yodo (Osaka City)	20
	32	Osaka Port	65
	33	Outside Osaka Port	15
Hyogo Pref.	36	Offshore of Himeji	5.7
Kobe City	37	Kobe Port (center)	24
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.4)
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.8
Okayama Pref.	40	Offshore of Mizushima	tr(0.8)
Hiroshima Pref.	41	Kure Port	12
	42	Hiroshima Bay	7.8
Yamaguchi Pref.	43	Tokuyama Bay	6.7
	44	Offshore of Ube	3.7
	45	Offshore of Hagi	tr(0.4)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(0.4)
Kagawa Pref.	47	Takamatsu Port	10
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	50
Fukuoka City	51	Hakata Bay	3.5
Saga Pref.	52	Imari Bay	3.1
Nagasaki Pref.	53	Omura Bay	3.6
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	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 : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	800
Median	1,400
Maximum	53,000
Minimum	3.7

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	190
	2	Tomakomai Port	1,400
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	24
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	800
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	100
Akita Pref.	6	Lake Hachiro	750
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	260
Fukushima Pref.	8	Onahama Port	2,400
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	630
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	41
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2,800
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	43
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	6,600
	14	Mouth of Riv. Sumida (Minato Ward)	15,000
Yokohama City	15	Yokohama Port	12,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	54
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	150
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	570
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	24
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	35
Nagano Pref.	21	Lake Suwa (center)	1,400
Shizuoka Pref.	22	Shimizu Port	1,500
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	21
Aichi Pref.	24	Kinuura Port	1,400
	25	Nagoya Port	2,200
Mie Pref.	26	Yokkaichi Port	4,300
	27	Toba Port	18,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,500
	29	Lake Biwa (center, offshore of Karasaki)	3,700
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,400
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,300
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	9,900
	34	Mouth of Riv. Yodo (Osaka City)	11,000
	32	Osaka Port	53,000
	33	Outside Osaka Port	15,000
Hyogo Pref.	36	Offshore of Himeji	2,200
Kobe City	37	Kobe Port (center)	52,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	200
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.	40	Offshore of Mizushima	1,100
Hiroshima Pref.	41	Kure Port	24,000
	42	Hiroshima Bay	4,500
Yamaguchi Pref.	43	Tokuyama Bay	1,400
	44	Offshore of Ube	750
	45	Offshore of Hagi	270
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	140
Kagawa Pref.	47	Takamatsu Port	3,700
Ehime Pref.	48	Niihama Port	63
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	65
Kitakyushu City	50	Dokai Bay	19,000
Fukuoka City	51	Hakata Bay	1,100
Saga Pref.	52	Imari Bay	1,600
Nagasaki Pref.	53	Omura Bay	1,400
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	46
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	5.5
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	3.7
	57	Riv. Gotanda (Ichikikushikino City)	17
Okinawa Pref.	58	Naha Port	25,000

(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 : 2020

Detection Frequency (site) : 56/58 (Missing value : 0)

Detection Frequency (sample) : 56/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	19
Median	24
Maximum	1,400
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.9
	2	Tomakomai Port	25
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	0.8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.6
Akita Pref.	6	Lake Hachiro	22
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	8.2
Fukushima Pref.	8	Onahama Port	70
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	18
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	1.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	46
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.3
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	160
	14	Mouth of Riv. Sumida (Minato Ward)	420
Yokohama City	15	Yokohama Port	270
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.6
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	17
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.5)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.2
Nagano Pref.	21	Lake Suwa (center)	35
Shizuoka Pref.	22	Shimizu Port	37
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.7)
Aichi Pref.	24	Kinuura Port	24
	25	Nagoya Port	44
Mie Pref.	26	Yokkaichi Port	99
	27	Toba Port	250
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	46
	29	Lake Biwa (center, offshore of Karasaki)	150
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	37
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	68
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	320
	34	Mouth of Riv. Yodo (Osaka City)	390
	32	Osaka Port	1,400
	33	Outside Osaka Port	350
Hyogo Pref.	36	Offshore of Himeji	51
Kobe City	37	Kobe Port (center)	870
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6.7
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	48
Okayama Pref.	40	Offshore of Mizushima	17
Hiroshima Pref.	41	Kure Port	340
	42	Hiroshima Bay	60
Yamaguchi Pref.	43	Tokuyama Bay	14
	44	Offshore of Ube	11
	45	Offshore of Hagi	4.7
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	3.3
Kagawa Pref.	47	Takamatsu Port	130
Ehime Pref.	48	Niihama Port	1.2
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	1.8
Kitakyushu City	50	Dokai Bay	490
Fukuoka City	51	Hakata Bay	27
Saga Pref.	52	Imari Bay	32
Nagasaki Pref.	53	Omura Bay	23
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	1.4
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	58	Naha Port	360

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

Detection frequency (sample) is based on the number of samples, thus means (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) /sediment (pg/g-dry)

Monitored year : 2020

Detection Frequency (site) : 51/58 (Missing value : 0)

Detection Frequency (sample) : 51/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	5.2
Median	7.0
Maximum	340
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.3
	2	Tomakomai Port	5.1
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	4.7
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.5)
Akita Pref.	6	Lake Hachiro	5.6
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	2.3
Fukushima Pref.	8	Onahama Port	18
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	4.9
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)	tr(0.4)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	43
	14	Mouth of Riv. Sumida (Minato Ward)	99
Yokohama City	15	Yokohama Port	62
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.6)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	4.5
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.4)
Nagano Pref.	21	Lake Suwa (center)	9.8
Shizuoka Pref.	22	Shimizu Port	9.8
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	7.8
	25	Nagoya Port	12
Mie Pref.	26	Yokkaichi Port	26
	27	Toba Port	38
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	12
	29	Lake Biwa (center, offshore of Karasaki)	33
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	9.9
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	18
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	82
	34	Mouth of Riv. Yodo (Osaka City)	99
	32	Osaka Port	340
	33	Outside Osaka Port	83
Hyogo Pref.	36	Offshore of Himeji	14
Kobe City	37	Kobe Port (center)	200
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	12
Okayama Pref.	40	Offshore of Mizushima	3.4
Hiroshima Pref.	41	Kure Port	76
	42	Hiroshima Bay	19
Yamaguchi Pref.	43	Tokuyama Bay	3.6
	44	Offshore of Ube	2.9
	45	Offshore of Hagi	1.4
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	1.0
Kagawa Pref.	47	Takamatsu Port	32
Ehime Pref.	48	Niihama Port	tr(0.3)
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.5)
Kitakyushu City	50	Dokai Bay	130
Fukuoka City	51	Hakata Bay	7.3
Saga Pref.	52	Imari Bay	8.4
Nagasaki Pref.	53	Omura Bay	6.6
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(0.4)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	66

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 54/58 (Missing value : 0)

Detection Frequency (sample) : 54/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	8.6
Median	12
Maximum	570
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.2
	2	Tomakomai Port	9.1
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.4)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	8.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	0.9
Akita Pref.	6	Lake Hachiro	10
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.8
Fukushima Pref.	8	Onahama Port	31
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	8.0
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.6)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	26
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(0.6)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	70
	14	Mouth of Riv. Sumida (Minato Ward)	160
Yokohama City	15	Yokohama Port	120
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.7)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.7
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	6.2
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.5)
Nagano Pref.	21	Lake Suwa (center)	15
Shizuoka Pref.	22	Shimizu Port	16
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.4)
Aichi Pref.	24	Kinuura Port	14
	25	Nagoya Port	22
Mie Pref.	26	Yokkaichi Port	46
	27	Toba Port	80
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	20
	29	Lake Biwa (center, offshore of Karasaki)	47
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	16
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	28
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	130
	34	Mouth of Riv. Yodo (Osaka City)	150
	32	Osaka Port	570
	33	Outside Osaka Port	150
Hyogo Pref.	36	Offshore of Himeji	23
Kobe City	37	Kobe Port (center)	370
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	19
Okayama Pref.	40	Offshore of Mizushima	5.2
Hiroshima Pref.	41	Kure Port	170
	42	Hiroshima Bay	31
Yamaguchi Pref.	43	Tokuyama Bay	6.9
	44	Offshore of Ube	5.5
	45	Offshore of Hagi	2.3
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	1.5
Kagawa Pref.	47	Takamatsu Port	50
Ehime Pref.	48	Niihama Port	tr(0.6)
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	0.9
Kitakyushu City	50	Dokai Bay	200
Fukuoka City	51	Hakata Bay	13
Saga Pref.	52	Imari Bay	15
Nagasaki Pref.	53	Omura Bay	12
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(0.5)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	170

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 35/58 (Missing value : 0)

Detection Frequency (sample) : 35/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	1.1
Median	1.2
Maximum	100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	3.5
Iwate Pref.	3	Toyosawa 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	1.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	3.6
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	0.8
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2.5
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	4.8
	14	Mouth of Riv. Sumida (Minato Ward)	9.8
Yokohama City	15	Yokohama Port	19
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(0.6)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	3.7
Shizuoka Pref.	22	Shimizu Port	2.7
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	2.6
	25	Nagoya Port	3.4
Mie Pref.	26	Yokkaichi Port	4.4
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	4.3
	29	Lake Biwa (center, offshore of Karasaki)	3.9
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.4)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7.4
	34	Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	35
	33	Outside Osaka Port	15
Hyogo Pref.	36	Offshore of Himeji	3.5
Kobe City	37	Kobe Port (center)	91
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.4
Okayama Pref.	40	Offshore of Mizushima	6.2
Hiroshima Pref.	41	Kure Port	40
	42	Hiroshima Bay	4.9
Yamaguchi Pref.	43	Tokuyama Bay	2.4
	44	Offshore of Ube	1.2
	45	Offshore of Hagi	tr(0.6)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	3.3
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	16
Fukuoka City	51	Hakata Bay	1.4
Saga Pref.	52	Imari Bay	2.1
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	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] Heptachlorobiphenyls/sediment (pg/g-dry)

Monitored year : 2020

Detection Frequency (site) : 57/58 (Missing value : 0)

Detection Frequency (sample) : 57/58 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	280
Median	480
Maximum	47,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	46
	2	Tomakomai Port	1,100
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.9)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	400
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	53
Akita Pref.	6	Lake Hachiro	160
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	43
Fukushima Pref.	8	Onahama Port	1,000
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	160
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	7.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,100
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	12
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	1,700
	14	Mouth of Riv. Sumida (Minato Ward)	4,300
Yokohama City	15	Yokohama Port	7,500
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	10
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	48
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	200
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.8
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	4.4
Nagano Pref.	21	Lake Suwa (center)	450
Shizuoka Pref.	22	Shimizu Port	820
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.4
Aichi Pref.	24	Kinuura Port	700
	25	Nagoya Port	880
Mie Pref.	26	Yokkaichi Port	2,000
	27	Toba Port	20,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	440
	29	Lake Biwa (center, offshore of Karasaki)	710
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	230
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	960
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,300
	34	Mouth of Riv. Yodo (Osaka City)	2,800
	32	Osaka Port	22,000
	33	Outside Osaka Port	7,600
Hyogo Pref.	36	Offshore of Himeji	1,400
Kobe City	37	Kobe Port (center)	47,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	54
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	510
Okayama Pref.	40	Offshore of Mizushima	2,000
Hiroshima Pref.	41	Kure Port	18,000
	42	Hiroshima Bay	2,100
Yamaguchi Pref.	43	Tokuyama Bay	940
	44	Offshore of Ube	450
	45	Offshore of Hagi	220
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	48
Kagawa Pref.	47	Takamatsu Port	1,200
Ehime Pref.	48	Niihama Port	66
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	50	Dokai Bay	8,500
Fukuoka City	51	Hakata Bay	420
Saga Pref.	52	Imari Bay	1,100
Nagasaki Pref.	53	Omura Bay	780
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	15
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.8)
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	4.0
Okinawa Pref.	58	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.

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 55/58 (Missing value : 0)

Detection Frequency (sample) : 55/58 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	38
Median	64
Maximum	4,800
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6.4
	2	Tomakomai Port	110
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	38
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6.0
Akita Pref.	6	Lake Hachiro	23
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	7.0
Fukushima Pref.	8	Onahama Port	120
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	23
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.2)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	120
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	2.0
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	210
	14	Mouth of Riv. Sumida (Minato Ward)	540
Yokohama City	15	Yokohama Port	830
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.8
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	23
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.6)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(1.2)
Nagano Pref.	21	Lake Suwa (center)	62
Shizuoka Pref.	22	Shimizu Port	95
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.6)
Aichi Pref.	24	Kinuura Port	68
	25	Nagoya Port	98
Mie Pref.	26	Yokkaichi Port	220
	27	Toba Port	2,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	63
	29	Lake Biwa (center, offshore of Karasaki)	110
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	35
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	120
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	330
	34	Mouth of Riv. Yodo (Osaka City)	400
	32	Osaka Port	2,500
	33	Outside Osaka Port	860
Hyogo Pref.	36	Offshore of Himeji	140
Kobe City	37	Kobe Port (center)	4,800
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	7.6
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	65
Okayama Pref.	40	Offshore of Mizushima	200
Hiroshima Pref.	41	Kure Port	1,700
	42	Hiroshima Bay	180
Yamaguchi Pref.	43	Tokuyama Bay	81
	44	Offshore of Ube	44
	45	Offshore of Hagi	22
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	5.7
Kagawa Pref.	47	Takamatsu Port	160
Ehime Pref.	48	Niihama Port	7.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	3.5
Kitakyushu City	50	Dokai Bay	900
Fukuoka City	51	Hakata Bay	46
Saga Pref.	52	Imari Bay	110
Nagasaki Pref.	53	Omura Bay	76
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	2.1
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.7)
Okinawa Pref.	58	Naha Port	2,400

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 57/58 (Missing value : 0)

Detection Frequency (sample) : 57/58 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	85
Median	130
Maximum	14,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	13
	2	Tomakomai Port	310
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.9)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	96
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	15
Akita Pref.	6	Lake Hachiro	42
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	12
Fukushima Pref.	8	Onahama Port	300
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	42
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	2.5
Chiba Pref.	11	Coast of Ichihara and Anegasaki	280
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	4.1
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	430
	14	Mouth of Riv. Sumida (Minato Ward)	1,200
Yokohama City	15	Yokohama Port	2,200
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	3.2
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	13
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	49
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(1.2)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.7
Nagano Pref.	21	Lake Suwa (center)	120
Shizuoka Pref.	22	Shimizu Port	220
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(1.2)
Aichi Pref.	24	Kinuura Port	160
	25	Nagoya Port	230
Mie Pref.	26	Yokkaichi Port	590
	27	Toba Port	5,900
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	110
	29	Lake Biwa (center, offshore of Karasaki)	170
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	61
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	250
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	620
	34	Mouth of Riv. Yodo (Osaka City)	750
	32	Osaka Port	6,300
	33	Outside Osaka Port	2,200
Hyogo Pref.	36	Offshore of Himeji	350
Kobe City	37	Kobe Port (center)	14,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	15
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	140
Okayama Pref.	40	Offshore of Mizushima	610
Hiroshima Pref.	41	Kure Port	5,400
	42	Hiroshima Bay	480
Yamaguchi Pref.	43	Tokuyama Bay	210
	44	Offshore of Ube	110
	45	Offshore of Hagi	56
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	13
Kagawa Pref.	47	Takamatsu Port	350
Ehime Pref.	48	Niihama Port	18
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	8.1
Kitakyushu City	50	Dokai Bay	2,400
Fukuoka City	51	Hakata Bay	110
Saga Pref.	52	Imari Bay	300
Nagasaki Pref.	53	Omura Bay	190
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	4.7
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.8)
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	1.5
Okinawa Pref.	58	Naha Port	7,200

(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

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

Monitored year : 2020

Detection Frequency (site) : 39/58 (Missing value : 0)

Detection Frequency (sample) : 39/58 (Missing value : 0)

Detection limit : 0.6

Quantification limit : 1.5

	Aggregated value
Geometric mean	2.9
Median	3.8
Maximum	200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	3.9
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.7
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	7.2
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	5.3
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	12
	14	Mouth of Riv. Sumida (Minato Ward)	30
Yokohama City	15	Yokohama Port	37
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(1.1)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	4.1
Shizuoka Pref.	22	Shimizu Port	4.8
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	4.1
	25	Nagoya Port	5.4
Mie Pref.	26	Yokkaichi Port	11
	27	Toba Port	64
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	6.5
	29	Lake Biwa (center, offshore of Karasaki)	9.1
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.8
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	5.1
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
	34	Mouth of Riv. Yodo (Osaka City)	25
	32	Osaka Port	120
	33	Outside Osaka Port	44
Hyogo Pref.	36	Offshore of Himeji	7.6
Kobe City	37	Kobe Port (center)	200
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.7
Okayama Pref.	40	Offshore of Mizushima	6.6
Hiroshima Pref.	41	Kure Port	73
	42	Hiroshima Bay	9.8
Yamaguchi Pref.	43	Tokuyama Bay	3.6
	44	Offshore of Ube	2.4
	45	Offshore of Hagi	tr(1.2)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	9.3
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	43
Fukuoka City	51	Hakata Bay	2.5
Saga Pref.	52	Imari Bay	6.2
Nagasaki Pref.	53	Omura Bay	4.7
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	110

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 52/58 (Missing value : 0)

Detection Frequency (sample) : 52/58 (Missing value : 0)

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	50
Median	98
Maximum	12,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	7.3
	2	Tomakomai Port	250
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	93
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	8.5
Akita Pref.	6	Lake Hachiro	26
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	5.0
Fukushima Pref.	8	Onahama Port	230
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	31
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.9
Chiba Pref.	11	Coast of Ichihara and Anegasaki	210
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	1.7
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	280
	14	Mouth of Riv. Sumida (Minato Ward)	750
Yokohama City	15	Yokohama Port	1,600
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.3
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	8.3
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	34
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	81
Shizuoka Pref.	22	Shimizu Port	180
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	150
	25	Nagoya Port	200
Mie Pref.	26	Yokkaichi Port	420
	27	Toba Port	4,600
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	99
	29	Lake Biwa (center, offshore of Karasaki)	97
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	20
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	190
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	340
	34	Mouth of Riv. Yodo (Osaka City)	380
	32	Osaka Port	3,800
	33	Outside Osaka Port	1,600
Hyogo Pref.	36	Offshore of Himeji	310
Kobe City	37	Kobe Port (center)	12,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	7.3
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	98
Okayama Pref.	40	Offshore of Mizushima	610
Hiroshima Pref.	41	Kure Port	4,000
	42	Hiroshima Bay	440
Yamaguchi Pref.	43	Tokuyama Bay	230
	44	Offshore of Ube	90
	45	Offshore of Hagi	62
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	8.0
Kagawa Pref.	47	Takamatsu Port	210
Ehime Pref.	48	Niihama Port	24
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	4.0
Kitakyushu City	50	Dokai Bay	1,600
Fukuoka City	51	Hakata Bay	85
Saga Pref.	52	Imari Bay	230
Nagasaki Pref.	53	Omura Bay	170
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	2.7
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.6)
Okinawa Pref.	58	Naha Port	6,900

(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

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

Monitored year : 2020

Detection Frequency (site) : 45/58 (Missing value : 0)

Detection Frequency (sample) : 45/58 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 0.9

	Aggregated value
Geometric mean	8.4
Median	18
Maximum	1,200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.9
	2	Tomakomai Port	19
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	18
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	9.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.8
Fukushima Pref.	8	Onahama Port	42
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	11
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)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	48
	14	Mouth of Riv. Sumida (Minato Ward)	110
Yokohama City	15	Yokohama Port	180
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.8)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	4.2
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	21
Shizuoka Pref.	22	Shimizu Port	18
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	16
	25	Nagoya Port	22
Mie Pref.	26	Yokkaichi Port	56
	27	Toba Port	290
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	29
	29	Lake Biwa (center, offshore of Karasaki)	24
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.0
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	21
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	50
	34	Mouth of Riv. Yodo (Osaka City)	55
	32	Osaka Port	490
	33	Outside Osaka Port	180
Hyogo Pref.	36	Offshore of Himeji	33
Kobe City	37	Kobe Port (center)	1,200
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.6)
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	16
Okayama Pref.	40	Offshore of Mizushima	47
Hiroshima Pref.	41	Kure Port	720
	42	Hiroshima Bay	48
Yamaguchi Pref.	43	Tokuyama Bay	23
	44	Offshore of Ube	8.4
	45	Offshore of Hagi	5.8
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	1.2
Kagawa Pref.	47	Takamatsu Port	28
Ehime Pref.	48	Niihama Port	7.0
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	250
Fukuoka City	51	Hakata Bay	13
Saga Pref.	52	Imari Bay	19
Nagasaki Pref.	53	Omura Bay	45
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	460

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 50/58 (Missing value : 0)

Detection Frequency (sample) : 50/58 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.6

	Aggregated value
Geometric mean	6.7
Median	11
Maximum	2,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.8
	2	Tomakomai Port	5.2
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.2)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	39
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	14
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.0
Fukushima Pref.	8	Onahama Port	300
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	18
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.2)
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)	72
	14	Mouth of Riv. Sumida (Minato Ward)	150
Yokohama City	15	Yokohama Port	420
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.8
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	15
Shizuoka Pref.	22	Shimizu Port	51
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	5.4
	25	Nagoya Port	8.5
Mie Pref.	26	Yokkaichi Port	25
	27	Toba Port	10
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	30
	29	Lake Biwa (center, offshore of Karasaki)	18
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.2
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	12
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	34
	34	Mouth of Riv. Yodo (Osaka City)	32
	32	Osaka Port	190
	33	Outside Osaka Port	58
Hyogo Pref.	36	Offshore of Himeji	13
Kobe City	37	Kobe Port (center)	160
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.7
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	15
Okayama Pref.	40	Offshore of Mizushima	4.0
Hiroshima Pref.	41	Kure Port	540
	42	Hiroshima Bay	25
Yamaguchi Pref.	43	Tokuyama Bay	49
	44	Offshore of Ube	6.9
	45	Offshore of Hagi	1.6
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	1.5
Kagawa Pref.	47	Takamatsu Port	23
Ehime Pref.	48	Niihama Port	34
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.5)
Kitakyushu City	50	Dokai Bay	2,000
Fukuoka City	51	Hakata Bay	8.5
Saga Pref.	52	Imari Bay	7.4
Nagasaki Pref.	53	Omura Bay	52
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	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

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

Monitored year : 2020

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

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

Detection limit : 0.5

Quantification limit : 1.3

	Aggregated value
Geometric mean	85
Median	78
Maximum	9,800
Minimum	3.9

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	160
	2	Tomakomai Port	190
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	6.3
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1,100
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	56
Akita Pref.	6	Lake Hachiro	91
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	80
Fukushima Pref.	8	Onahama Port	9,800
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	820
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	12
Chiba Pref.	11	Coast of Ichihara and Anegasaki	250
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	3.9
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	1,200
	14	Mouth of Riv. Sumida (Minato Ward)	1,000
Yokohama City	15	Yokohama Port	740
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	42
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	51
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	50
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.7
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	6.0
Nagano Pref.	21	Lake Suwa (center)	700
Shizuoka Pref.	22	Shimizu Port	86
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	24
Aichi Pref.	24	Kinuura Port	57
	25	Nagoya Port	60
Mie Pref.	26	Yokkaichi Port	210
	27	Toba Port	110
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	210
	29	Lake Biwa (center, offshore of Karasaki)	81
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	36
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	74
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	240
	34	Mouth of Riv. Yodo (Osaka City)	340
	32	Osaka Port	270
	33	Outside Osaka Port	240
Hyogo Pref.	36	Offshore of Himeji	77
Kobe City	37	Kobe Port (center)	190
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	10
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	200
Okayama Pref.	40	Offshore of Mizushima	21
Hiroshima Pref.	41	Kure Port	120
	42	Hiroshima Bay	61
Yamaguchi Pref.	43	Tokuyama Bay	240
	44	Offshore of Ube	51
	45	Offshore of Hagi	15
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	47
Kagawa Pref.	47	Takamatsu Port	180
Ehime Pref.	48	Niihama Port	220
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	34
Kitakyushu City	50	Dokai Bay	7,300
Fukuoka City	51	Hakata Bay	39
Saga Pref.	52	Imari Bay	64
Nagasaki Pref.	53	Omura Bay	47
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	10
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	5.8
	57	Riv. Gotanda (Ichikikushikino City)	4.3
Okinawa Pref.	58	Naha Port	83

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

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

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

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

Monitored year : 2020

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

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

Detection limit : *1.8

Quantification limit : *4.5

	Aggregated value
Geometric mean	170
Median	160
Maximum	15,000
Minimum	5.1

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	270
	2	Tomakomai Port	39
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	5.1
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	65
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	55
Akita Pref.	6	Lake Hachiro	80
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	48
Fukushima Pref.	8	Onahama Port	500
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	400
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	84
Chiba Pref.	11	Coast of Ichihara and Anegasaki	360
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	75
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	1,500
	14	Mouth of Riv. Sumida (Minato Ward)	3,600
Yokohama City	15	Yokohama Port	430
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	47
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	76
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	410
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	12
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	140
Nagano Pref.	21	Lake Suwa (center)	560
Shizuoka Pref.	22	Shimizu Port	150
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	13
Aichi Pref.	24	Kinuura Port	140
	25	Nagoya Port	74
Mie Pref.	26	Yokkaichi Port	170
	27	Toba Port	130
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,000
	29	Lake Biwa (center, offshore of Karasaki)	260
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	160
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	4,300
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,500
	34	Mouth of Riv. Yodo (Osaka City)	5,300
	32	Osaka Port	1,800
	33	Outside Osaka Port	290
Hyogo Pref.	36	Offshore of Himeji	160
Kobe City	37	Kobe Port (center)	310
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	330
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	620
Okayama Pref.	40	Offshore of Mizushima	19
Hiroshima Pref.	41	Kure Port	350
	42	Hiroshima Bay	310
Yamaguchi Pref.	43	Tokuyama Bay	38
	44	Offshore of Ube	56
	45	Offshore of Hagi	9.1
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	54
Kagawa Pref.	47	Takamatsu Port	5,100
Ehime Pref.	48	Niihama Port	9.1
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	51
Kitakyushu City	50	Dokai Bay	410
Fukuoka City	51	Hakata Bay	170
Saga Pref.	52	Imari Bay	97
Nagasaki Pref.	53	Omura Bay	82
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	92
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	24
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	20
	57	Riv. Gotanda (Ichikikushikino City)	220
Okinawa Pref.	58	Naha Port	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.

(Note 3) *: Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

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

Monitored year : 2020

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

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

Detection limit : 0.5

Quantification limit : 1.2

	Aggregated value
Geometric mean	42
Median	38
Maximum	4,200
Minimum	tr(1.1)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	47
	2	Tomakomai Port	7.8
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.1)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	13
Akita Pref.	6	Lake Hachiro	24
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	11
Fukushima Pref.	8	Onahama Port	120
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	110
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	20
Chiba Pref.	11	Coast of Ichihara and Anegasaki	87
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	21
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	340
	14	Mouth of Riv. Sumida (Minato Ward)	900
Yokohama City	15	Yokohama Port	94
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	13
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	17
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.6
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	36
Nagano Pref.	21	Lake Suwa (center)	180
Shizuoka Pref.	22	Shimizu Port	36
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.9
Aichi Pref.	24	Kinuura Port	27
	25	Nagoya Port	16
Mie Pref.	26	Yokkaichi Port	40
	27	Toba Port	34
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	310
	29	Lake Biwa (center, offshore of Karasaki)	71
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	40
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	1,200
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,200
	34	Mouth of Riv. Yodo (Osaka City)	1,400
	32	Osaka Port	390
	33	Outside Osaka Port	73
Hyogo Pref.	36	Offshore of Himeji	42
Kobe City	37	Kobe Port (center)	82
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	87
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	160
Okayama Pref.	40	Offshore of Mizushima	5.3
Hiroshima Pref.	41	Kure Port	77
	42	Hiroshima Bay	67
Yamaguchi Pref.	43	Tokuyama Bay	9.1
	44	Offshore of Ube	16
	45	Offshore of Hagi	2.4
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	13
Kagawa Pref.	47	Takamatsu Port	1,300
Ehime Pref.	48	Niihama Port	2.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	12
Kitakyushu City	50	Dokai Bay	95
Fukuoka City	51	Hakata Bay	40
Saga Pref.	52	Imari Bay	25
Nagasaki Pref.	53	Omura Bay	20
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	25
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	5.7
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	4.4
	57	Riv. Gotanda (Ichikikushikino City)	59
Okinawa Pref.	58	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.

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

Monitored year : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.2

	Aggregated value
Geometric mean	47
Median	44
Maximum	4,500
Minimum	1.4

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	140
	2	Tomakomai Port	16
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	1.4
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	19
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	13
Akita Pref.	6	Lake Hachiro	21
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	12
Fukushima Pref.	8	Onahama Port	160
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	99
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	23
Chiba Pref.	11	Coast of Ichihara and Anegasaki	96
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	20
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	350
	14	Mouth of Riv. Sumida (Minato Ward)	1,100
Yokohama City	15	Yokohama Port	130
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	15
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	21
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	110
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.7
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	35
Nagano Pref.	21	Lake Suwa (center)	150
Shizuoka Pref.	22	Shimizu Port	46
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.9
Aichi Pref.	24	Kinuura Port	40
	25	Nagoya Port	21
Mie Pref.	26	Yokkaichi Port	47
	27	Toba Port	34
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	240
	29	Lake Biwa (center, offshore of Karasaki)	60
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	43
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	1,200
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,100
	34	Mouth of Riv. Yodo (Osaka City)	1,500
	32	Osaka Port	460
	33	Outside Osaka Port	78
Hyogo Pref.	36	Offshore of Himeji	46
Kobe City	37	Kobe Port (center)	87
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	97
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	170
Okayama Pref.	40	Offshore of Mizushima	5.2
Hiroshima Pref.	41	Kure Port	93
	42	Hiroshima Bay	85
Yamaguchi Pref.	43	Tokuyama Bay	9.7
	44	Offshore of Ube	16
	45	Offshore of Hagi	2.2
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	12
Kagawa Pref.	47	Takamatsu Port	1,400
Ehime Pref.	48	Niihama Port	2.1
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	12
Kitakyushu City	50	Dokai Bay	130
Fukuoka City	51	Hakata Bay	45
Saga Pref.	52	Imari Bay	27
Nagasaki Pref.	53	Omura Bay	20
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	25
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	6.2
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6.2
	57	Riv. Gotanda (Ichikikushikino City)	68
Okinawa Pref.	58	Naha Port	4,500

(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.

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

Monitored year : 2020

Detection Frequency (site) : 34/58 (Missing value : 0)

Detection Frequency (sample) : 34/58 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	tr(1.1)
Median	tr(1.0)
Maximum	39
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	8.9
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(1.2)
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(1.4)
Fukushima Pref.	8	Onahama Port	1.8
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	3.6
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.3)
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)	3.7
	14	Mouth of Riv. Sumida (Minato Ward)	5.5
Yokohama City	15	Yokohama Port	nd
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(1.4)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	2.5
Nagano Pref.	21	Lake Suwa (center)	tr(1.3)
Shizuoka Pref.	22	Shimizu Port	tr(0.7)
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	tr(0.9)
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	tr(1.6)
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.3
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	39
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	16
	34	Mouth of Riv. Yodo (Osaka City)	14
	32	Osaka Port	tr(1.5)
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	tr(1.1)
Kobe City	37	Kobe Port (center)	tr(0.9)
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.7
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.2
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(1.2)
	42	Hiroshima Bay	tr(1.0)
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(1.0)
Kagawa Pref.	47	Takamatsu Port	23
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.7)
Kitakyushu City	50	Dokai Bay	tr(1.1)
Fukuoka City	51	Hakata Bay	tr(1.0)
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(0.7)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(1.7)
Okinawa Pref.	58	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

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

Monitored year : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	31
Median	24
Maximum	2,100
Minimum	tr(0.7)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	19
	2	Tomakomai Port	6.2
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.7)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6.7
Akita Pref.	6	Lake Hachiro	16
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	5.8
Fukushima Pref.	8	Onahama Port	98
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	72
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	10
Chiba Pref.	11	Coast of Ichihara and Anegasaki	86
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	13
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	340
	14	Mouth of Riv. Sumida (Minato Ward)	590
Yokohama City	15	Yokohama Port	100
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	5.6
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	9.8
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	65
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.9
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	18
Nagano Pref.	21	Lake Suwa (center)	100
Shizuoka Pref.	22	Shimizu Port	27
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.0
Aichi Pref.	24	Kinuura Port	40
	25	Nagoya Port	22
Mie Pref.	26	Yokkaichi Port	41
	27	Toba Port	26
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	250
	29	Lake Biwa (center, offshore of Karasaki)	75
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	21
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	580
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	750
	34	Mouth of Riv. Yodo (Osaka City)	760
	32	Osaka Port	510
	33	Outside Osaka Port	64
Hyogo Pref.	36	Offshore of Himeji	34
Kobe City	37	Kobe Port (center)	69
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	41
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	88
Okayama Pref.	40	Offshore of Mizushima	3.7
Hiroshima Pref.	41	Kure Port	88
	42	Hiroshima Bay	65
Yamaguchi Pref.	43	Tokuyama Bay	12
	44	Offshore of Ube	11
	45	Offshore of Hagi	2.3
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	8.5
Kagawa Pref.	47	Takamatsu Port	850
Ehime Pref.	48	Niihama Port	1.9
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	8.6
Kitakyushu City	50	Dokai Bay	88
Fukuoka City	51	Hakata Bay	36
Saga Pref.	52	Imari Bay	19
Nagasaki Pref.	53	Omura Bay	21
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	13
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	3.6
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	2.8
	57	Riv. Gotanda (Ichikikushikino City)	22
Okinawa Pref.	58	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.

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

Monitored year : 2020

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

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

Detection limit : 0.2

Quantification limit : 0.5

	Aggregated value
Geometric mean	48
Median	40
Maximum	3,800
Minimum	1.9

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	53
	2	Tomakomai Port	9.0
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	1.9
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	16
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	21
Akita Pref.	6	Lake Hachiro	19
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	18
Fukushima Pref.	8	Onahama Port	120
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	120
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	30
Chiba Pref.	11	Coast of Ichihara and Anegasaki	91
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	21
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	420
	14	Mouth of Riv. Sumida (Minato Ward)	1,000
Yokohama City	15	Yokohama Port	110
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	13
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	27
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	130
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.5
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	44
Nagano Pref.	21	Lake Suwa (center)	130
Shizuoka Pref.	22	Shimizu Port	37
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.0
Aichi Pref.	24	Kinuura Port	31
	25	Nagoya Port	15
Mie Pref.	26	Yokkaichi Port	43
	27	Toba Port	34
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	200
	29	Lake Biwa (center, offshore of Karasaki)	50
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	51
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	1,300
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,400
	34	Mouth of Riv. Yodo (Osaka City)	1,600
	32	Osaka Port	430
	33	Outside Osaka Port	77
Hyogo Pref.	36	Offshore of Himeji	37
Kobe City	37	Kobe Port (center)	71
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	100
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	200
Okayama Pref.	40	Offshore of Mizushima	4.6
Hiroshima Pref.	41	Kure Port	93
	42	Hiroshima Bay	95
Yamaguchi Pref.	43	Tokuyama Bay	7.3
	44	Offshore of Ube	13
	45	Offshore of Hagi	2.2
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	19
Kagawa Pref.	47	Takamatsu Port	1,500
Ehime Pref.	48	Niihama Port	2.7
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	18
Kitakyushu City	50	Dokai Bay	100
Fukuoka City	51	Hakata Bay	47
Saga Pref.	52	Imari Bay	26
Nagasaki Pref.	53	Omura Bay	21
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	28
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	8.8
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6.8
	57	Riv. Gotanda (Ichikikushikino City)	67
Okinawa Pref.	58	Naha Port	3,800

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 38/58 (Missing value : 0)

Detection Frequency (sample) : 38/58 (Missing value : 0)

Detection limit : *1.2

Quantification limit : *3.1

	Aggregated value
Geometric mean	tr(2.4)
Median	tr(1.9)
Maximum	120
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	120
	2	Tomakomai Port	tr(2.5)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(1.6)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	tr(1.7)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(2.1)
Fukushima Pref.	8	Onahama Port	4.9
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	tr(2.1)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	13
	14	Mouth of Riv. Sumida (Minato Ward)	23
Yokohama City	15	Yokohama Port	3.5
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(1.2)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	8.6
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(1.5)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(1.3)
Nagano Pref.	21	Lake Suwa (center)	7.5
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	tr(2.8)
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	tr(1.6)
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	6.1
	29	Lake Biwa (center, offshore of Karasaki)	tr(1.9)
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1.4)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	37
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	26
	34	Mouth of Riv. Yodo (Osaka City)	26
	32	Osaka Port	9.1
	33	Outside Osaka Port	3.1
Hyogo Pref.	36	Offshore of Himeji	tr(1.5)
Kobe City	37	Kobe Port (center)	tr(1.9)
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.0
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.4
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(2.4)
	42	Hiroshima Bay	tr(2.9)
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(1.9)
Kagawa Pref.	47	Takamatsu Port	29
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	5.4
Fukuoka City	51	Hakata Bay	tr(2.0)
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	4.4
Okinawa Pref.	58	Naha Port	80

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

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

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

Monitored year : 2020

Detection Frequency (site) : 43/58 (Missing value : 0)

Detection Frequency (sample) : 43/58 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	0.7
Median	0.6
Maximum	52
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	13
	2	Tomakomai Port	0.6
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	0.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	0.5
Akita Pref.	6	Lake Hachiro	0.7
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	0.5
Fukushima Pref.	8	Onahama Port	2.1
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	1.7
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	0.5
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)	5.9
Yokohama City	15	Yokohama Port	1.7
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.7
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	1.5
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	0.9
	25	Nagoya Port	0.5
Mie Pref.	26	Yokkaichi Port	0.7
	27	Toba Port	0.4
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2.3
	29	Lake Biwa (center, offshore of Karasaki)	1.1
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	0.4
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	12
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	11
	34	Mouth of Riv. Yodo (Osaka City)	5.4
	32	Osaka Port	5.6
	33	Outside Osaka Port	2.1
Hyogo Pref.	36	Offshore of Himeji	0.5
Kobe City	37	Kobe Port (center)	0.6
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.1
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.8
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	1.0
	42	Hiroshima Bay	0.8
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(0.3)
Kagawa Pref.	47	Takamatsu Port	6.2
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.3)
Kitakyushu City	50	Dokai Bay	2.3
Fukuoka City	51	Hakata Bay	1.1
Saga Pref.	52	Imari Bay	0.6
Nagasaki Pref.	53	Omura Bay	0.4
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(0.2)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	3.3
Okinawa Pref.	58	Naha Port	52

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 40/58 (Missing value : 0)

Detection Frequency (sample) : 40/58 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.7

	Aggregated value
Geometric mean	tr(1.5)
Median	tr(1.2)
Maximum	110
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	110
	2	Tomakomai Port	1.9
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(1.1)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	tr(1.0)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(1.6)
Fukushima Pref.	8	Onahama Port	2.8
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	9.3
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	tr(1.6)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	9.6
	14	Mouth of Riv. Sumida (Minato Ward)	17
Yokohama City	15	Yokohama Port	1.8
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(1.2)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(1.5)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(1.3)
Nagano Pref.	21	Lake Suwa (center)	6.0
Shizuoka Pref.	22	Shimizu Port	tr(1.0)
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	1.9
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	tr(0.9)
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	3.8
	29	Lake Biwa (center, offshore of Karasaki)	tr(0.8)
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1.0)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	25
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	15
	34	Mouth of Riv. Yodo (Osaka City)	21
	32	Osaka Port	3.5
	33	Outside Osaka Port	tr(1.0)
Hyogo Pref.	36	Offshore of Himeji	tr(1.0)
Kobe City	37	Kobe Port (center)	tr(1.3)
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.9
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.6
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(1.4)
	42	Hiroshima Bay	2.1
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(1.6)
Kagawa Pref.	47	Takamatsu Port	23
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.7)
Kitakyushu City	50	Dokai Bay	3.1
Fukuoka City	51	Hakata Bay	tr(0.9)
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(1.1)
Okinawa Pref.	58	Naha Port	28

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 1/58 (Missing value : 0)

Detection Frequency (sample) : 1/58 (Missing value : 0)

Detection limit : 0.4

Quantification limit : 1.0

	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)	1.4
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa 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	nd
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
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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	nd
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	nd
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	34	Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	nd
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

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

Monitored year : 2020

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

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

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	40
Median	48
Maximum	450
Minimum	tr(3)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	36
	2	Tomakomai Port	85
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	62
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	36
Akita Pref.	6	Lake Hachiro	38
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	25
Fukushima Pref.	8	Onahama Port	15
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	140
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	24
Chiba Pref.	11	Coast of Ichihara and Anegasaki	280
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	6
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	250
	14	Mouth of Riv. Sumida (Minato Ward)	450
Yokohama City	15	Yokohama Port	170
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	10
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	14
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	21
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	15
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	48
Nagano Pref.	21	Lake Suwa (center)	120
Shizuoka Pref.	22	Shimizu Port	11
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	15
Aichi Pref.	24	Kinuura Port	71
	25	Nagoya Port	47
Mie Pref.	26	Yokkaichi Port	50
	27	Toba Port	59
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	260
	29	Lake Biwa (center, offshore of Karasaki)	130
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	49
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	87
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
	34	Mouth of Riv. Yodo (Osaka City)	180
	32	Osaka Port	87
	33	Outside Osaka Port	52
Hyogo Pref.	36	Offshore of Himeji	73
Kobe City	37	Kobe Port (center)	60
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	42
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	43
Okayama Pref.	40	Offshore of Mizushima	28
Hiroshima Pref.	41	Kure Port	68
	42	Hiroshima Bay	53
Yamaguchi Pref.	43	Tokuyama Bay	70
	44	Offshore of Ube	31
	45	Offshore of Hagi	11
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	10
Kagawa Pref.	47	Takamatsu Port	48
Ehime Pref.	48	Niihama Port	18
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(3)
Kitakyushu City	50	Dokai Bay	36
Fukuoka City	51	Hakata Bay	56
Saga Pref.	52	Imari Bay	15
Nagasaki Pref.	53	Omura Bay	150
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(4)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	10
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6
	57	Riv. Gotanda (Ichikikushikino City)	34
Okinawa Pref.	58	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.

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

Monitored year : 2020

Detection Frequency (site) : 57/58 (Missing value : 0)

Detection Frequency (sample) : 57/58 (Missing value : 0)

Detection limit : 3

Quantification limit : 8

	Aggregated value
Geometric mean	21
Median	22
Maximum	190
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	12
	2	Tomakomai Port	11
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(7)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	36
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	18
Akita Pref.	6	Lake Hachiro	20
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(7)
Fukushima Pref.	8	Onahama Port	19
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	27
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	11
Chiba Pref.	11	Coast of Ichihara and Anegasaki	51
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	8
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	40
	14	Mouth of Riv. Sumida (Minato Ward)	33
Yokohama City	15	Yokohama Port	23
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	tr(5)
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(5)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	37
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	14
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	42
Nagano Pref.	21	Lake Suwa (center)	22
Shizuoka Pref.	22	Shimizu Port	25
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	13
Aichi Pref.	24	Kinuura Port	14
	25	Nagoya Port	12
Mie Pref.	26	Yokkaichi Port	20
	27	Toba Port	29
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	90
	29	Lake Biwa (center, offshore of Karasaki)	57
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	32
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	40
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	110
	34	Mouth of Riv. Yodo (Osaka City)	49
	32	Osaka Port	190
	33	Outside Osaka Port	66
Hyogo Pref.	36	Offshore of Himeji	34
Kobe City	37	Kobe Port (center)	23
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	61
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	13
Okayama Pref.	40	Offshore of Mizushima	21
Hiroshima Pref.	41	Kure Port	10
	42	Hiroshima Bay	13
Yamaguchi Pref.	43	Tokuyama Bay	13
	44	Offshore of Ube	30
	45	Offshore of Hagi	48
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	tr(7)
Kagawa Pref.	47	Takamatsu Port	25
Ehime Pref.	48	Niihama Port	30
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	8
Kitakyushu City	50	Dokai Bay	20
Fukuoka City	51	Hakata Bay	41
Saga Pref.	52	Imari Bay	56
Nagasaki Pref.	53	Omura Bay	160
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(5)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	26
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(7)
Okinawa Pref.	58	Naha Port	10

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

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed 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 : 2020

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

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

Detection limit : 0.2

Quantification limit : 0.4

	Aggregated value
Geometric mean	63
Median	65
Maximum	2,900
Minimum	1.8

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	150
	2	Tomakomai Port	170
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	5.8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	250
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.6
Akita Pref.	6	Lake Hachiro	73
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	68
Fukushima Pref.	8	Onahama Port	2,900
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	800
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	14
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)	1,200
	14	Mouth of Riv. Sumida (Minato Ward)	690
Yokohama City	15	Yokohama Port	290
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	48
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	38
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	60
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	8.0
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	5.8
Nagano Pref.	21	Lake Suwa (center)	800
Shizuoka Pref.	22	Shimizu Port	53
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	19
Aichi Pref.	24	Kinuura Port	54
	25	Nagoya Port	55
Mie Pref.	26	Yokkaichi Port	120
	27	Toba Port	130
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	190
	29	Lake Biwa (center, offshore of Karasaki)	81
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	61
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	74
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	250
	34	Mouth of Riv. Yodo (Osaka City)	370
	32	Osaka Port	500
	33	Outside Osaka Port	160
Hyogo Pref.	36	Offshore of Himeji	71
Kobe City	37	Kobe Port (center)	150
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	5.5
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	100
Okayama Pref.	40	Offshore of Mizushima	14
Hiroshima Pref.	41	Kure Port	110
	42	Hiroshima Bay	62
Yamaguchi Pref.	43	Tokuyama Bay	94
	44	Offshore of Ube	26
	45	Offshore of Hagi	8.7
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	24
Kagawa Pref.	47	Takamatsu Port	120
Ehime Pref.	48	Niihama Port	58
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	30
Kitakyushu City	50	Dokai Bay	2,000
Fukuoka City	51	Hakata Bay	28
Saga Pref.	52	Imari Bay	45
Nagasaki Pref.	53	Omura Bay	41
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	5.8
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	15
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	1.8
	57	Riv. Gotanda (Ichikikushikino City)	7.8
Okinawa Pref.	58	Naha Port	93

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

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

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

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

Monitored year : 2020

Detection Frequency (site) : 2/58 (Missing value : 0)

Detection Frequency (sample) : 2/58 (Missing value : 0)

Detection limit : 10

Quantification limit : 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	180
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa 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	180
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
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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	nd
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	nd
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	34	Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	nd
Ehime Pref.	48	Niihama Port	45
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	nd

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

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

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

(Note 3) nd : Not detected

[23] Short-chain chlorinated paraffins/sediment (pg/g-dry)

Monitored year : 2020

Detection Frequency (site) : 31/58 (Missing value : 0)

Detection Frequency (sample) : 31/58 (Missing value : 0)

Detection limit : *2,200

Quantification limit : *5,300

	Aggregated value
Geometric mean	tr(3,600)
Median	tr(2,600)
Maximum	57,000
Minimum	nd

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

(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 congeners.

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

Monitored year : 2020

Detection Frequency (site) : 21/58 (Missing value : 0)

Detection Frequency (sample) : 21/58 (Missing value : 0)

Detection limit : 400

Quantification limit : 900

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(600)
	2	Tomakomai Port	tr(600)
Iwate Pref.	3	Toyosawa 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	1,500
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)	1,500
Yokohama City	15	Yokohama Port	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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	tr(700)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	1,400
	27	Toba Port	2,100
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2,300
	29	Lake Biwa (center, offshore of Karasaki)	2,600
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,000
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,200
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(800)
	34	Mouth of Riv. Yodo (Osaka City)	900
	32	Osaka Port	4,600
	33	Outside Osaka Port	3,000
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	1,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(600)
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	1,000
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	1,900
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	tr(400)
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	6,000

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 25/58 (Missing value : 0)

Detection Frequency (sample) : 25/58 (Missing value : 0)

Detection limit : 500

Quantification limit : 1,200

	Aggregated value
Geometric mean	tr(600)
Median	nd
Maximum	6,900
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(900)
	2	Tomakomai Port	1,400
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(1,000)
Akita Pref.	6	Lake Hachiro	tr(800)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	3,800
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)	1,300
	14	Mouth of Riv. Sumida (Minato Ward)	2,900
Yokohama City	15	Yokohama Port	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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	tr(600)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	tr(500)
Mie Pref.	26	Yokkaichi Port	1,700
	27	Toba Port	5,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2,300
	29	Lake Biwa (center, offshore of Karasaki)	1,600
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(800)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,900
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,800
	34	Mouth of Riv. Yodo (Osaka City)	tr(1,000)
	32	Osaka Port	4,700
	33	Outside Osaka Port	3,000
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	2,500
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	1,600
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	2,700
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	2,700
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	tr(500)
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	6,900

(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

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

Monitored year : 2020

Detection Frequency (site) : 31/58 (Missing value : 0)

Detection Frequency (sample) : 31/58 (Missing value : 0)

Detection limit : 800

Quantification limit : 2,000

	Aggregated value
Geometric mean	tr(1,300)
Median	tr(1,200)
Maximum	18,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	tr(1,200)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2,800
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	5,700
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)	3,500
	14	Mouth of Riv. Sumida (Minato Ward)	7,800
Yokohama City	15	Yokohama Port	3,700
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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	tr(1,300)
Shizuoka Pref.	22	Shimizu Port	tr(1,400)
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	tr(1,100)
	27	Toba Port	12,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	tr(1,600)
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1,200)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	5,500
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,400
	34	Mouth of Riv. Yodo (Osaka City)	2,000
	32	Osaka Port	7,000
	33	Outside Osaka Port	2,600
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	8,600
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	7,800
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	3,000
	44	Offshore of Ube	3,500
	45	Offshore of Hagi	tr(1,300)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	13,000
Ehime Pref.	48	Niihama Port	3,100
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	3,700
Fukuoka City	51	Hakata Bay	3,800
Saga Pref.	52	Imari Bay	7,200
Nagasaki Pref.	53	Omura Bay	3,000
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(1,700)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	tr(1,100)
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	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.

(Note 4) nd : Not detected

[23-4] Chlorinated tridecanes/sediment (pg/g-dry)

Monitored year : 2020

Detection Frequency (site) : 40/58 (Missing value : 0)

Detection Frequency (sample) : 40/58 (Missing value : 0)

Detection limit : 500

Quantification limit : 1,200

	Aggregated value
Geometric mean	1,400
Median	tr(1,100)
Maximum	26,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(700)
	2	Tomakomai Port	1,500
Iwate Pref.	3	Toyosawa 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)	2,300
Akita Pref.	6	Lake Hachiro	tr(1,000)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	4,200
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)	5,700
	14	Mouth of Riv. Sumida (Minato Ward)	13,000
Yokohama City	15	Yokohama Port	6,500
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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	tr(1,100)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	1,700
	27	Toba Port	16,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,300
	29	Lake Biwa (center, offshore of Karasaki)	tr(900)
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,400
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	10,000
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7,500
	34	Mouth of Riv. Yodo (Osaka City)	5,100
	32	Osaka Port	13,000
	33	Outside Osaka Port	3,600
Hyogo Pref.	36	Offshore of Himeji	tr(800)
Kobe City	37	Kobe Port (center)	11,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(700)
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(700)
Okayama Pref.	40	Offshore of Mizushima	1,500
Hiroshima Pref.	41	Kure Port	9,500
	42	Hiroshima Bay	tr(1,100)
Yamaguchi Pref.	43	Tokuyama Bay	4,900
	44	Offshore of Ube	3,800
	45	Offshore of Hagi	1,300
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	21,000
Ehime Pref.	48	Niihama Port	4,300
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(1,100)
Kitakyushu City	50	Dokai Bay	9,200
Fukuoka City	51	Hakata Bay	4,800
Saga Pref.	52	Imari Bay	11,000
Nagasaki Pref.	53	Omura Bay	3,100
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(1,000)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	tr(800)
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	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.

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

(Note 4) nd : Not detected

[24] Dicofol/sediment (pg/g-dry)

Monitored year : 2020

Detection Frequency (site) : 23/58 (Missing value : 0)

Detection Frequency (sample) : 23/58 (Missing value : 0)

Detection limit : 5

Quantification limit : 13

	Aggregated value
Geometric mean	tr(5)
Median	nd
Maximum	77
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	59
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa 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)	17
Fukushima Pref.	8	Onahama Port	tr(6)
Ibaraki Pref.	9	Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(6)
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)	20
	14	Mouth of Riv. Sumida (Minato Ward)	23
Yokohama City	15	Yokohama Port	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(7)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(8)
Nagano Pref.	21	Lake Suwa (center)	47
Shizuoka Pref.	22	Shimizu Port	48
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	tr(6)
	25	Nagoya Port	tr(8)
Mie Pref.	26	Yokkaichi Port	tr(9)
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	tr(12)
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	35
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	33
	34	Mouth of Riv. Yodo (Osaka City)	23
	32	Osaka Port	20
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	34
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	37
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	tr(5)
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	77
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	tr(6)

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 13/58 (Missing value : 0)

Detection Frequency (sample) : 13/58 (Missing value : 0)

Detection limit : 3

Quantification limit : 6

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	10
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa 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	nd
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(5)
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	tr(4)
	14	Mouth of Riv. Sumida (Minato Ward)	10
Yokohama City	15	Yokohama Port	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
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	tr(3)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	7
	29	Lake Biwa (center, offshore of Karasaki)	tr(5)
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	34	Mouth of Riv. Yodo (Osaka City)	tr(4)
	32	Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(4)
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	tr(3)
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
	44	Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	nd
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	8
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	tr(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

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

Monitored year : 2020

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

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

Detection limit : *11

Quantification limit : *31

	Aggregated value
Geometric mean	8,100
Median	10,000
Maximum	85,000
Minimum	470

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	1,700	9,300	---
Median	1,100	12,000	---
Maximum	9,900	85,000	74,000
Minimum	470	690	74,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1,100
	Yokohama City	2	Yokohama Port	Green mussel	9,900
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	470
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	1,400
		2		Chum salmon	1,700
	Iwate Pref.	3	Yamada Bay	Greenling	16,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	6,700
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3,000
	Tokyo Met.	6	Tokyo Bay	Sea bass	51,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	54,000
	Nagoya City	8	Nagoya Port	Striped mullet	10,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	14,000
	Osaka Pref.	10	Osaka Bay	Sea bass	85,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	56,000
	Tottori Pref.	12	Nakaumi	Sea bass	9,000
	Hiroshima City	13	Hiroshima Bay	Sea bass	13,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	18,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	690
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	15,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2,800
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	3,100
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	74,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	18,000,000
				Egg of Great Cormorant (Egg white)	43,000

(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 : 2020

Detection Frequency (site) : 13/22 (Missing value : 0)

Detection Frequency (sample) : 13/22 (Missing value : 0)

Detection limit : 0.9

Quantification limit : 2.4

	Aggregated value
Geometric mean	tr(1.5)
Median	tr(1.2)
Maximum	12
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	12/18	0/1
Detection Frequency (sample)	1/3	12/18	0/1
Geometric mean	tr(1.2)	tr(1.6)	---
Median	nd	tr(1.2)	---
Maximum	8.8	12	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	8.8
	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	tr(1.7)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	8.9
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	9.7
	Nagoya City	8	Nagoya Port	Striped mullet	8.1
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(1.2)
	Osaka Pref.	10	Osaka Bay	Sea bass	12
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	3.7
	Tottori Pref.	12	Nakaumi	Sea bass	tr(1.1)
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(1.2)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	2.8
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1.1)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	12
				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 : 2020

Detection Frequency (site) : 21/22 (Missing value : 0)

Detection Frequency (sample) : 21/22 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	28
Median	18
Maximum	510
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	1/1
Detection Frequency (sample)	3/3	17/18	1/1
Geometric mean	27	31	---
Median	21	18	---
Maximum	130	510	6
Minimum	7	nd	6

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	21
	Yokohama City	2	Yokohama Port	Green mussel	130
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	7
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	13
		2		Chum salmon	14
	Iwate Pref.	3	Yamada Bay	Greenling	32
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	21
	Tokyo Met.	6	Tokyo Bay	Sea bass	450
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	510
	Nagoya City	8	Nagoya Port	Striped mullet	240
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	8
	Osaka Pref.	10	Osaka Bay	Sea bass	410
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	110
	Tottori Pref.	12	Nakaumi	Sea bass	15
	Hiroshima City	13	Hiroshima Bay	Sea bass	27
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	100
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	7
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	11
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	10
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	6
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	410
				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

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

Monitored year : 2020

Detection Frequency (site) : 21/22 (Missing value : 0)

Detection Frequency (sample) : 21/22 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	270
Median	200
Maximum	8,800
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	17/18	1/1
Detection Frequency (sample)	3/3	17/18	1/1
Geometric mean	120	280	---
Median	53	200	---
Maximum	890	8,800	2,300
Minimum	39	nd	2,300

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	53
	Yokohama City	2	Yokohama Port	Green mussel	890
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	39
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	59
		2		Chum salmon	130
	Iwate Pref.	3	Yamada Bay	Greenling	320
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	130
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	210
	Tokyo Met.	6	Tokyo Bay	Sea bass	6,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8,800
	Nagoya City	8	Nagoya Port	Striped mullet	1,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	180
	Osaka Pref.	10	Osaka Bay	Sea bass	6,600
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,200
	Tottori Pref.	12	Nakaumi	Sea bass	140
	Hiroshima City	13	Hiroshima Bay	Sea bass	250
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,800
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	120
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	45
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	37
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	2,300
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	860,000
				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.

(Note 3) nd : Not detected

[1-4] Tetrachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 4

	Aggregated value
Geometric mean	1,100
Median	900
Maximum	21,000
Minimum	42

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	280	1,200	---
Median	120	900	---
Maximum	2,600	21,000	9,300
Minimum	70	42	9,300

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	120
	Yokohama City	2	Yokohama Port	Green mussel	2,600
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	70
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	160
		2		Chum salmon	330
	Iwate Pref.	3	Yamada Bay	Greenling	1,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	760
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	530
	Tokyo Met.	6	Tokyo Bay	Sea bass	14,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	20,000
	Nagoya City	8	Nagoya Port	Striped mullet	3,400
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,600
	Osaka Pref.	10	Osaka Bay	Sea bass	21,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	8,800
	Tottori Pref.	12	Nakaumi	Sea bass	760
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,400
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3,500
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	800
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	250
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	160
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	9,300
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,600,000
				Egg of Great Cormorant (Egg white)	10,000

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

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

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

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

Monitored year : 2020

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

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

Detection limit : 0.7

Quantification limit : 1.9

	Aggregated value
Geometric mean	8.1
Median	5.9
Maximum	83
Minimum	tr(1.0)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	4.4	8	---
Median	2.2	5.9	---
Maximum	20	83	76
Minimum	1.9	tr(1.0)	76

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1.9
	Yokohama City	2	Yokohama Port	Green mussel	20
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.2
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.6)
		2		Chum salmon	tr(1.6)
	Iwate Pref.	3	Yamada Bay	Greenling	15
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(1.8)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	4.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	44
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	72
	Nagoya City	8	Nagoya Port	Striped mullet	14
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	33
	Osaka Pref.	10	Osaka Bay	Sea bass	83
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	27
	Tottori Pref.	12	Nakaumi	Sea bass	3.8
	Hiroshima City	13	Hiroshima Bay	Sea bass	7.7
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	20
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.0)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	3.2
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.2
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	3.0
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	76
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	460
				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.

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

Monitored year : 2020

Detection Frequency (site) : 12/22 (Missing value : 0)

Detection Frequency (sample) : 12/22 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.9

	Aggregated value
Geometric mean	tr(0.9)
Median	tr(0.7)
Maximum	20
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	10/18	1/1
Detection Frequency (sample)	1/3	10/18	1/1
Geometric mean	nd	tr(0.8)	---
Median	nd	tr(0.8)	---
Maximum	tr(0.7)	13	20
Minimum	nd	nd	20

	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(0.7)
	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	3.3
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(1.2)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(0.9)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1.7)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(1.0)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	13
	Osaka Pref.	10	Osaka Bay	Sea bass	2.8
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(0.9)
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(1.2)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(0.7)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	20
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200
				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

[1-5] Pentachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	2,100
Median	2,800
Maximum	27,000
Minimum	110

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	450	2,400	---
Median	280	2,800	---
Maximum	3,000	27,000	21,000
Minimum	110	180	21,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	280
	Yokohama City	2	Yokohama Port	Green mussel	3,000
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	110
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	350
		2		Chum salmon	570
	Iwate Pref.	3	Yamada Bay	Greenling	2,900
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1,700
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1,000
	Tokyo Met.	6	Tokyo Bay	Sea bass	15,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	15,000
	Nagoya City	8	Nagoya Port	Striped mullet	2,500
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	5,400
	Osaka Pref.	10	Osaka Bay	Sea bass	27,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	15,000
	Tottori Pref.	12	Nakaumi	Sea bass	2,800
	Hiroshima City	13	Hiroshima Bay	Sea bass	3,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3,400
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	180
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	2,800
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	900
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	450
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	21,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,900,000
				Egg of Great Cormorant (Egg white)	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) /wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 0.7

Quantification limit : 1.9

	Aggregated value
Geometric mean	110
Median	120
Maximum	3,200
Minimum	5.1

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	22	120	---
Median	13	120	---
Maximum	160	910	3,200
Minimum	5.1	14	3,200

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	13
	Yokohama City	2	Yokohama Port	Green mussel	160
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	5.1
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	29
		2		Chum salmon	25
	Iwate Pref.	3	Yamada Bay	Greenling	210
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	110
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	49
	Tokyo Met.	6	Tokyo Bay	Sea bass	550
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	570
	Nagoya City	8	Nagoya Port	Striped mullet	130
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	340
	Osaka Pref.	10	Osaka Bay	Sea bass	910
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	480
	Tottori Pref.	12	Nakaumi	Sea bass	85
	Hiroshima City	13	Hiroshima Bay	Sea bass	110
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	160
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	14
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	130
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	64
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	36
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	3,200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	380,000
				Egg of Great Cormorant (Egg white)	1,200

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

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

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

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

Monitored year : 2020

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

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

Detection limit : 0.7

Quantification limit : 1.8

	Aggregated value
Geometric mean	14
Median	14
Maximum	310
Minimum	tr(0.8)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	2.3	15	---
Median	tr(1.5)	18	---
Maximum	10	110	310
Minimum	tr(0.8)	tr(1.6)	310

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.5)
	Yokohama City	2	Yokohama Port	Green mussel	10
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.8)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	3.3
		2		Chum salmon	3.1
	Iwate Pref.	3	Yamada Bay	Greenling	29
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	14
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	5.9
	Tokyo Met.	6	Tokyo Bay	Sea bass	60
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	49
	Nagoya City	8	Nagoya Port	Striped mullet	12
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	31
	Osaka Pref.	10	Osaka Bay	Sea bass	110
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	73
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	22
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	27
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.6)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	30
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6.6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	4.3
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	310
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	50,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	380
Median	440
Maximum	8,000
Minimum	23

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	77	420	---
Median	42	440	---
Maximum	480	3,400	8,000
Minimum	23	39	8,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	42
	Yokohama City	2	Yokohama Port	Green mussel	480
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	23
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	75
		2		Chum salmon	84
	Iwate Pref.	3	Yamada Bay	Greenling	570
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	430
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	160
	Tokyo Met.	6	Tokyo Bay	Sea bass	2,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,400
	Nagoya City	8	Nagoya Port	Striped mullet	390
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	850
	Osaka Pref.	10	Osaka Bay	Sea bass	3,400
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,000
	Tottori Pref.	12	Nakaumi	Sea bass	440
	Hiroshima City	13	Hiroshima Bay	Sea bass	440
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	620
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	39
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	430
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	170
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	120
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,200,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2020

Detection Frequency (site) : 21/22 (Missing value : 0)

Detection Frequency (sample) : 21/22 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.9

	Aggregated value
Geometric mean	7
Median	8.1
Maximum	190
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	18/18	1/1
Detection Frequency (sample)	2/3	18/18	1/1
Geometric mean	tr(1.5)	7.5	---
Median	tr(1.0)	8.1	---
Maximum	9.3	47	190
Minimum	nd	tr(0.9)	190

	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	9.3
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.3)
		2		Chum salmon	tr(1.7)
	Iwate Pref.	3	Yamada Bay	Greenling	11
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7.4
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.8
	Tokyo Met.	6	Tokyo Bay	Sea bass	31
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	38
	Nagoya City	8	Nagoya Port	Striped mullet	8.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	23
	Osaka Pref.	10	Osaka Bay	Sea bass	47
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	32
	Tottori Pref.	12	Nakaumi	Sea bass	5.4
	Hiroshima City	13	Hiroshima Bay	Sea bass	8.1
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	13
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(0.9)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	8.1
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1.8)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	190
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	27,000
				Egg of Great Cormorant (Egg white)	48

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 20/22 (Missing value : 0)

Detection Frequency (sample) : 20/22 (Missing value : 0)

Detection limit : 0.7

Quantification limit : 1.9

	Aggregated value
Geometric mean	3.7
Median	3.4
Maximum	50
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	17/18	1/1
Detection Frequency (sample)	2/3	17/18	1/1
Geometric mean	tr(1.2)	3.9	---
Median	tr(1.5)	4.3	---
Maximum	3	19	50
Minimum	nd	nd	50

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.5)
	Yokohama City	2	Yokohama Port	Green mussel	3.0
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.8)
		2		Chum salmon	tr(1.7)
	Iwate Pref.	3	Yamada Bay	Greenling	9.1
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2.0
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	5.3
	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	3.4
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	18
	Osaka Pref.	10	Osaka Bay	Sea bass	19
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	12
	Tottori Pref.	12	Nakaumi	Sea bass	tr(1.6)
	Hiroshima City	13	Hiroshima Bay	Sea bass	5.1
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3.3
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	11
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.0
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(0.7)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	50
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,400
				Egg of Great Cormorant (Egg white)	2.8

(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

[1-6] Hexachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	2,700
Median	3,500
Maximum	32,000
Minimum	200

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	610	3,000	---
Median	460	4,400	---
Maximum	2,500	22,000	32,000
Minimum	200	310	32,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	460
	Yokohama City	2	Yokohama Port	Green mussel	2,500
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	200
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	530
		2		Chum salmon	480
	Iwate Pref.	3	Yamada Bay	Greenling	6,500
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2,900
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	910
	Tokyo Met.	6	Tokyo Bay	Sea bass	12,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8,000
	Nagoya City	8	Nagoya Port	Striped mullet	1,500
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	5,200
	Osaka Pref.	10	Osaka Bay	Sea bass	22,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	19,000
	Tottori Pref.	12	Nakaumi	Sea bass	4,000
	Hiroshima City	13	Hiroshima Bay	Sea bass	5,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	4,800
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	310
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	7,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	1,100
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	960
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	32,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	6,900,000
				Egg of Great Cormorant (Egg white)	12,000

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

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

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

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

Monitored year : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	39
Median	38
Maximum	1,000
Minimum	2.8

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	6.4	44	---
Median	3.6	42	---
Maximum	26	310	1,000
Minimum	2.8	5.3	1,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	3.6
	Yokohama City	2	Yokohama Port	Green mussel	26
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.8
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	11
		2		Chum salmon	5.3
	Iwate Pref.	3	Yamada Bay	Greenling	95
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	40
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	14
	Tokyo Met.	6	Tokyo Bay	Sea bass	180
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	140
	Nagoya City	8	Nagoya Port	Striped mullet	29
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	110
	Osaka Pref.	10	Osaka Bay	Sea bass	310
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	240
	Tottori Pref.	12	Nakaumi	Sea bass	36
	Hiroshima City	13	Hiroshima Bay	Sea bass	43
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	60
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6.8
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	65
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	27
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	18
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	240,000
				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.

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

Monitored year : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.2

	Aggregated value
Geometric mean	10
Median	11
Maximum	250
Minimum	tr(0.9)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	tr(2.0)	11	---
Median	tr(1.0)	12	---
Maximum	8.9	77	250
Minimum	tr(0.9)	tr(1.8)	250

	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	8.9
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.9)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.6
		2		Chum salmon	tr(1.8)
	Iwate Pref.	3	Yamada Bay	Greenling	25
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	15
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	4.3
	Tokyo Met.	6	Tokyo Bay	Sea bass	41
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	32
	Nagoya City	8	Nagoya Port	Striped mullet	7.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	29
	Osaka Pref.	10	Osaka Bay	Sea bass	77
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	53
	Tottori Pref.	12	Nakaumi	Sea bass	11
	Hiroshima City	13	Hiroshima Bay	Sea bass	11
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	13
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.9)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	16
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	4.5
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	250
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	48,000
				Egg of Great Cormorant (Egg white)	53

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	25
Median	26
Maximum	490
Minimum	2.1

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	5.8	27	---
Median	3.9	31	---
Maximum	24	180	490
Minimum	2.1	4	490

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	3.9
	Yokohama City	2	Yokohama Port	Green mussel	24
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.1
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	5.1
		2		Chum salmon	4.0
	Iwate Pref.	3	Yamada Bay	Greenling	55
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	24
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	9.6
	Tokyo Met.	6	Tokyo Bay	Sea bass	110
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	73
	Nagoya City	8	Nagoya Port	Striped mullet	16
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	60
	Osaka Pref.	10	Osaka Bay	Sea bass	180
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	120
	Tottori Pref.	12	Nakaumi	Sea bass	34
	Hiroshima City	13	Hiroshima Bay	Sea bass	28
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	40
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	4.1
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	45
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	14
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	11
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	490
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	110,000
				Egg of Great Cormorant (Egg white)	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.

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

Monitored year : 2020

Detection Frequency (site) : 4/22 (Missing value : 0)

Detection Frequency (sample) : 4/22 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.1

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6.3
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	4/18	0/1
Detection Frequency (sample)	0/3	4/18	0/1
Geometric mean	nd	nd	---
Median	nd	nd	---
Maximum	nd	6.3	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	6.3
	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 (Takashima City)	Dace	2.8
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(1.0)
	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(0.8)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	290
				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 : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	980
Median	1,100
Maximum	9,100
Minimum	42

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	180	1,200	---
Median	180	1,100	---
Maximum	760	9,100	8,000
Minimum	42	130	8,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	180
	Yokohama City	2	Yokohama Port	Green mussel	760
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	42
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	270
		2		Chum salmon	130
	Iwate Pref.	3	Yamada Bay	Greenling	4,100
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1,000
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	260
	Tokyo Met.	6	Tokyo Bay	Sea bass	3,100
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	1,700
	Nagoya City	8	Nagoya Port	Striped mullet	510
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,100
	Osaka Pref.	10	Osaka Bay	Sea bass	7,100
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	9,100
	Tottori Pref.	12	Nakaumi	Sea bass	1,100
	Hiroshima City	13	Hiroshima Bay	Sea bass	2,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3,300
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	130
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	3,700
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	450
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	980
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,700,000
				Egg of Great Cormorant (Egg white)	2,900

(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.

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

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	76
Median	79
Maximum	1,200
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	5	100	---
Median	tr(2)	110	---
Maximum	39	670	1,200
Minimum	tr(2)	11	1,200

	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	39
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	29
		2		Chum salmon	11
	Iwate Pref.	3	Yamada Bay	Greenling	370
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	80
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	21
	Tokyo Met.	6	Tokyo Bay	Sea bass	300
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	170
	Nagoya City	8	Nagoya Port	Striped mullet	56
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	140
	Osaka Pref.	10	Osaka Bay	Sea bass	650
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	670
	Tottori Pref.	12	Nakaumi	Sea bass	77
	Hiroshima City	13	Hiroshima Bay	Sea bass	150
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	260
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	14
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	270
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	46
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	66
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	370,000
				Egg of Great Cormorant (Egg white)	480

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

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

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

Detection limit : 0.8

Quantification limit : 2.2

	Aggregated value
Geometric mean	230
Median	260
Maximum	2,500
Minimum	4.2

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	21	290	---
Median	16	320	---
Maximum	130	2,300	2,500
Minimum	4.2	29	2,500

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	16
	Yokohama City	2	Yokohama Port	Green mussel	130
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	4.2
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	87
		2		Chum salmon	29
	Iwate Pref.	3	Yamada Bay	Greenling	1,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	250
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	62
	Tokyo Met.	6	Tokyo Bay	Sea bass	840
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	450
	Nagoya City	8	Nagoya Port	Striped mullet	140
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	270
	Osaka Pref.	10	Osaka Bay	Sea bass	1,800
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,300
	Tottori Pref.	12	Nakaumi	Sea bass	220
	Hiroshima City	13	Hiroshima Bay	Sea bass	460
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	840
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	37
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	860
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	120
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	360
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	2,500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,000,000
				Egg of Great Cormorant (Egg white)	810

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

Detection frequency (sample) is based on the number of samples, 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 : 2020

Detection Frequency (site) : 18/22 (Missing value : 0)

Detection Frequency (sample) : 18/22 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	4.3
Median	4.8
Maximum	67
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	16/18	1/1
Detection Frequency (sample)	1/3	16/18	1/1
Geometric mean	nd	5	---
Median	nd	6.1	---
Maximum	tr(1.7)	30	67
Minimum	nd	nd	67

	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(1.7)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.3)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	18
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.5
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	13
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8.7
	Nagoya City	8	Nagoya Port	Striped mullet	2.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	8.7
	Osaka Pref.	10	Osaka Bay	Sea bass	25
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	30
	Tottori Pref.	12	Nakaumi	Sea bass	5.0
	Hiroshima City	13	Hiroshima Bay	Sea bass	7.2
	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)	Sea bass	14
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.5
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	3.0
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	67
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	19,000
				Egg of Great Cormorant (Egg white)	8.1

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

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

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

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

(Note 4) nd : Not detected

[1-8] Octachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	140
Median	180
Maximum	1,600
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	9	200	---
Median	8	200	---
Maximum	42	1,600	1,400
Minimum	tr(2)	16	1,400

	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	42
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	45
		2		Chum salmon	16
	Iwate Pref.	3	Yamada Bay	Greenling	1,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	190
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	36
	Tokyo Met.	6	Tokyo Bay	Sea bass	460
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	200
	Nagoya City	8	Nagoya Port	Striped mullet	91
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	150
	Osaka Pref.	10	Osaka Bay	Sea bass	1,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,600
	Tottori Pref.	12	Nakaumi	Sea bass	160
	Hiroshima City	13	Hiroshima Bay	Sea bass	330
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	820
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	25
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	630
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	76
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	420
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,400
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	500,000
				Egg of Great Cormorant (Egg white)	290

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

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

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

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

[1-9] Nonachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2020

Detection Frequency (site) : 20/22 (Missing value : 0)

Detection Frequency (sample) : 20/22 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	13
Median	18
Maximum	220
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	18/18	1/1
Detection Frequency (sample)	1/3	18/18	1/1
Geometric mean	nd	18	---
Median	nd	19	---
Maximum	tr(1)	94	220
Minimum	nd	tr(2)	220

	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	4
		2		Chum salmon	3
	Iwate Pref.	3	Yamada Bay	Greenling	67
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	18
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	8
	Tokyo Met.	6	Tokyo Bay	Sea bass	41
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	18
	Nagoya City	8	Nagoya Port	Striped mullet	9
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	26
	Osaka Pref.	10	Osaka Bay	Sea bass	60
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	94
	Tottori Pref.	12	Nakaumi	Sea bass	11
	Hiroshima City	13	Hiroshima Bay	Sea bass	20
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	67
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(2)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	36
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	64
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	220
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	24,000
				Egg of Great Cormorant (Egg white)	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

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

Monitored year : 2020

Detection Frequency (site) : 20/22 (Missing value : 0)

Detection Frequency (sample) : 20/22 (Missing value : 0)

Detection limit : 0.8

Quantification limit : 2.0

	Aggregated value
Geometric mean	4.8
Median	6.4
Maximum	75
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	18/18	1/1
Detection Frequency (sample)	1/3	18/18	1/1
Geometric mean	tr(1.0)	5.3	---
Median	nd	7.8	---
Maximum	6.7	19	75
Minimum	nd	tr(0.8)	75

	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	6.7
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.8)
		2		Chum salmon	tr(1.4)
	Iwate Pref.	3	Yamada Bay	Greenling	12
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	10
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	6.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	19
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	11
	Nagoya City	8	Nagoya Port	Striped mullet	2.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	9.5
	Osaka Pref.	10	Osaka Bay	Sea bass	9.7
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	14
	Tottori Pref.	12	Nakaumi	Sea bass	4.8
	Hiroshima City	13	Hiroshima Bay	Sea bass	3.7
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	15
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.1)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	9.8
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1.4)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	5.7
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	75
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	8,300
				Egg of Great Cormorant (Egg white)	tr(1.3)

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

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed 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 : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	90
Median	50
Maximum	2,900
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	9	110	---
Median	14	58	---
Maximum	30	1,100	2,900
Minimum	tr(2)	15	2,900

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	30
	Yokohama City	2	Yokohama Port	Green mussel	tr(2)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	14
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	190
		2		Chum salmon	700
	Iwate Pref.	3	Yamada Bay	Greenling	770
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	47
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1,100
	Tokyo Met.	6	Tokyo Bay	Sea bass	230
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	280
	Nagoya City	8	Nagoya Port	Striped mullet	53
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	480
	Osaka Pref.	10	Osaka Bay	Sea bass	91
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	37
	Tottori Pref.	12	Nakaumi	Sea bass	15
	Hiroshima City	13	Hiroshima Bay	Sea bass	47
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	62
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	47
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	36
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	40
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	2,900
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	32,000
				Egg of Great Cormorant (Egg white)	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.

[7] Chlordanes/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : *7

Quantification limit : *19

	Aggregated value
Geometric mean	1,100
Median	1,200
Maximum	12,000
Minimum	140

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	530	1,200	---
Median	630	1,200	---
Maximum	1,700	12,000	1,500
Minimum	140	200	1,500

	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	1,700
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	630
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	200
		2		Chum salmon	490
	Iwate Pref.	3	Yamada Bay	Greenling	730
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	320
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1,000
	Tokyo Met.	6	Tokyo Bay	Sea bass	2,200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,200
	Nagoya City	8	Nagoya Port	Striped mullet	1,500
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	5,100
	Osaka Pref.	10	Osaka Bay	Sea bass	6,100
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,500
	Tottori Pref.	12	Nakaumi	Sea bass	760
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,600
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	610
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	1,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	550
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	12,000
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	79,000
				Egg of Great Cormorant (Egg white)	290

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

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

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

(Note 3) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[7-1] *cis* -Chlordane/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	260
Median	300
Maximum	2,200
Minimum	39

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	200	290	---
Median	310	310	---
Maximum	590	2,200	83
Minimum	41	39	83

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	41
	Yokohama City	2	Yokohama Port	Green mussel	590
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	310
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	39
		2		Chum salmon	130
	Iwate Pref.	3	Yamada Bay	Greenling	140
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	49
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	320
	Tokyo Met.	6	Tokyo Bay	Sea bass	500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	610
	Nagoya City	8	Nagoya Port	Striped mullet	500
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,400
	Osaka Pref.	10	Osaka Bay	Sea bass	1,800
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	380
	Tottori Pref.	12	Nakaumi	Sea bass	170
	Hiroshima City	13	Hiroshima Bay	Sea bass	290
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	470
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	130
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	190
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	91
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	2,200
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	83
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,100
				Egg of Great Cormorant (Egg white)	nd

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

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

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

[7-2] *trans* -Chlordane/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	88
Median	100
Maximum	780
Minimum	11

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	100	90	---
Median	97	110	---
Maximum	430	780	34
Minimum	25	11	34

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	25
	Yokohama City	2	Yokohama Port	Green mussel	430
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	97
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	12
		2		Chum salmon	31
	Iwate Pref.	3	Yamada Bay	Greenling	37
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	11
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	43
	Tokyo Met.	6	Tokyo Bay	Sea bass	190
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	260
	Nagoya City	8	Nagoya Port	Striped mullet	170
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	500
	Osaka Pref.	10	Osaka Bay	Sea bass	780
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	140
	Tottori Pref.	12	Nakaumi	Sea bass	55
	Hiroshima City	13	Hiroshima Bay	Sea bass	110
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	140
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	110
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	51
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	25
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	460
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	34
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	740
				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.

[7-3] Oxychlordan/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	72
Median	58
Maximum	2,100
Minimum	5

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	24	75	---
Median	45	60	---
Maximum	59	2,100	820
Minimum	5	24	820

	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	45
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	59
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	24
		2		Chum salmon	38
	Iwate Pref.	3	Yamada Bay	Greenling	81
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	41
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	83
	Tokyo Met.	6	Tokyo Bay	Sea bass	110
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	160
	Nagoya City	8	Nagoya Port	Striped mullet	48
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	140
	Osaka Pref.	10	Osaka Bay	Sea bass	200
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	68
	Tottori Pref.	12	Nakaumi	Sea bass	29
	Hiroshima City	13	Hiroshima Bay	Sea bass	56
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	62
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	31
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	42
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	57
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	2,100
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	820
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	51,000
				Egg of Great Cormorant (Egg white)	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.

[7-4] *cis* -Nonachlor/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	190
Median	220
Maximum	1,600
Minimum	20

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	53	230	---
Median	38	250	---
Maximum	200	1,600	480
Minimum	20	26	480

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	20
	Yokohama City	2	Yokohama Port	Green mussel	200
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	38
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	26
		2		Chum salmon	59
	Iwate Pref.	3	Yamada Bay	Greenling	150
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	83
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	150
	Tokyo Met.	6	Tokyo Bay	Sea bass	470
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	370
	Nagoya City	8	Nagoya Port	Striped mullet	230
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,200
	Osaka Pref.	10	Osaka Bay	Sea bass	1,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	330
	Tottori Pref.	12	Nakaumi	Sea bass	170
	Hiroshima City	13	Hiroshima Bay	Sea bass	260
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	310
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	83
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	260
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	110
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	1,600
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	480
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25,000
				Egg of Great Cormorant (Egg white)	48

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

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

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

[7-5] *trans* -Nonachlor/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 2

Quantification limit : 4

	Aggregated value
Geometric mean	410
Median	470
Maximum	5,700
Minimum	47

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	140	530	---
Median	130	510	---
Maximum	480	5,700	81
Minimum	47	95	81

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	47
	Yokohama City	2	Yokohama Port	Green mussel	480
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	130
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	95
		2		Chum salmon	230
	Iwate Pref.	3	Yamada Bay	Greenling	320
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	140
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	450
	Tokyo Met.	6	Tokyo Bay	Sea bass	880
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	810
	Nagoya City	8	Nagoya Port	Striped mullet	520
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,900
	Osaka Pref.	10	Osaka Bay	Sea bass	2,300
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	630
	Tottori Pref.	12	Nakaumi	Sea bass	340
	Hiroshima City	13	Hiroshima Bay	Sea bass	560
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	650
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	260
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	500
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	270
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	5,700
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	81
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,300
				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.

[8] Heptachlors/wildlife (pg/g-wet)

Monitored year : 2020

Detection Frequency (site) : 19/22 (Missing value : 0)

Detection Frequency (sample) : 19/22 (Missing value : 0)

Detection limit : *6

Quantification limit : *15

	Aggregated value
Geometric mean	29
Median	33
Maximum	320
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	16/18	1/1
Detection Frequency (sample)	2/3	16/18	1/1
Geometric mean	24	26	---
Median	50	32	---
Maximum	96	320	270
Minimum	nd	nd	270

	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	50
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	96
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	52
	Iwate Pref.	3	Yamada Bay	Greenling	32
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	110
	Tokyo Met.	6	Tokyo Bay	Sea bass	52
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	61
	Nagoya City	8	Nagoya Port	Striped mullet	33
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	40
	Osaka Pref.	10	Osaka Bay	Sea bass	74
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	15
	Tottori Pref.	12	Nakaumi	Sea bass	tr(14)
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(14)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	32
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(9)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(12)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	320
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	270
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,500
				Egg of Great Cormorant (Egg white)	61

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

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

[8-1] Heptachlor/wildlife (pg/g-wet)

Monitored year : 2020

Detection Frequency (site) : 7/22 (Missing value : 0)

Detection Frequency (sample) : 7/22 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	6/18	0/1
Detection Frequency (sample)	1/3	6/18	0/1
Geometric mean	nd	nd	---
Median	nd	nd	---
Maximum	tr(2)	6	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(2)
	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	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(2)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(1)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(1)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	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) tr : Detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[8-2] *cis*-Heptachlor epoxide/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	28
Median	33
Maximum	320
Minimum	tr(2)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	28	24	---
Median	48	32	---
Maximum	96	320	270
Minimum	5	tr(2)	270

	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	48
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	96
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	52
	Iwate Pref.	3	Yamada Bay	Greenling	32
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	110
	Tokyo Met.	6	Tokyo Bay	Sea bass	51
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	61
	Nagoya City	8	Nagoya Port	Striped mullet	33
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	40
	Osaka Pref.	10	Osaka Bay	Sea bass	72
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	15
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	13
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	32
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	3
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	tr(2)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	11
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	320
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	270
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,400
				Egg of Great Cormorant (Egg white)	61

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

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

[8-3] *trans* -Heptachlor epoxide/wildlife (pg/g-wet)

Monitored year : 2020

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

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

Detection limit : 4

Quantification limit : 9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/1
Detection Frequency (sample)	0/3	0/18	0/1
Geometric mean	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 (Takashima City)	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	84
				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 : 2020

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

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

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	76
Median	100
Maximum	8,500
Minimum	tr(4)

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	16	76	---
Median	8	100	---
Maximum	130	3,000	8,500
Minimum	tr(4)	5	8,500

	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	130
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(4)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	6
		2		Chum salmon	6
	Iwate Pref.	3	Yamada Bay	Greenling	9
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	19
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	22
	Tokyo Met.	6	Tokyo Bay	Sea bass	570
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	480
	Nagoya City	8	Nagoya Port	Striped mullet	58
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	3,000
	Osaka Pref.	10	Osaka Bay	Sea bass	450
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	130
	Tottori Pref.	12	Nakaumi	Sea bass	350
	Hiroshima City	13	Hiroshima Bay	Sea bass	72
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	130
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	140
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	130
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	62
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	5
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	15,000
				Egg of Great Cormorant (Egg white)	67

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 16/22 (Missing value : 0)

Detection Frequency (sample) : 16/22 (Missing value : 0)

Detection limit : 2

Quantification limit : 6

	Aggregated value
Geometric mean	tr(5)
Median	tr(4)
Maximum	280
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	12/18	1/1
Detection Frequency (sample)	3/3	12/18	1/1
Geometric mean	6	tr(4)	---
Median	tr(5)	tr(2)	---
Maximum	14	49	280
Minimum	tr(3)	nd	280

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(3)
	Yokohama City	2	Yokohama Port	Green mussel	14
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(5)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(4)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	11
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	49
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(4)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(3)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(5)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(2)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	25
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	49
	Tottori Pref.	12	Nakaumi	Sea bass	tr(2)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	9
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(2)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	280
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200
				Egg of Great Cormorant (Egg white)	14

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

Detection frequency (sample) is based on the number of samples, thus means (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 : 2020

Detection Frequency (site) : 18/22 (Missing value : 0)

Detection Frequency (sample) : 18/22 (Missing value : 0)

Detection limit : 1

Quantification limit : 3

	Aggregated value
Geometric mean	13
Median	12
Maximum	390
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	3/3	14/18	1/1
Detection Frequency (sample)	3/3	14/18	1/1
Geometric mean	9	11	---
Median	9	19	---
Maximum	9	120	390
Minimum	8	nd	390

	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	9
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	9
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	62
	Iwate Pref.	3	Yamada Bay	Greenling	75
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	120
	Tokyo Met.	6	Tokyo Bay	Sea bass	88
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	97
	Nagoya City	8	Nagoya Port	Striped mullet	39
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	47
	Osaka Pref.	10	Osaka Bay	Sea bass	26
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	6
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	10
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	14
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	6
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	390
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,600
				Egg of Great Cormorant (Egg white)	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) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 9/22 (Missing value : 0)

Detection Frequency (sample) : 9/22 (Missing value : 0)

Detection limit : 5

Quantification limit : 13

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	19
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	8/18	0/1
Detection Frequency (sample)	1/3	8/18	0/1
Geometric mean	nd	nd	---
Median	nd	nd	---
Maximum	tr(7)	19	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(7)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	15
	Iwate Pref.	3	Yamada Bay	Greenling	tr(9)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	19
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(5)
	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 (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(5)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(5)
	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)	Sea bass	tr(5)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	tr(5)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	29
				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 : 2020

Detection Frequency (site) : 6/22 (Missing value : 0)

Detection Frequency (sample) : 6/22 (Missing value : 0)

Detection limit : *1,000

Quantification limit : *2,800

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

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	3/18	1/1
Detection Frequency (sample)	2/3	3/18	1/1
Geometric mean	tr(1,900)	nd	---
Median	2,800	nd	---
Maximum	4,900	4,500	tr(1,400)
Minimum	nd	nd	tr(1,400)

	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	4,900
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2,800
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	tr(1,600)
	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	4,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	2,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(1,400)
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(1,900)
				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 congeners.

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

Monitored year : 2020

Detection Frequency (site) : 5/22 (Missing value : 0)

Detection Frequency (sample) : 5/22 (Missing value : 0)

Detection limit : 300

Quantification limit : 900

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(700)
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	3/18	0/1
Detection Frequency (sample)	2/3	3/18	0/1
Geometric mean	tr(400)	nd	---
Median	tr(700)	nd	---
Maximum	tr(700)	tr(500)	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(700)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(700)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(500)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(500)
	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	tr(500)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	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) 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 : 2020

Detection Frequency (site) : 7/22 (Missing value : 0)

Detection Frequency (sample) : 7/22 (Missing value : 0)

Detection limit : 300

Quantification limit : 800

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,800
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	4/18	1/1
Detection Frequency (sample)	2/3	4/18	1/1
Geometric mean	tr(700)	nd	---
Median	1,300	nd	---
Maximum	1,800	1,400	1,100
Minimum	nd	nd	1,100

	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	1,800
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	1,300
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	1,100
	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	1,200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	1,400
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	900
	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,100
	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 : 2020

Detection Frequency (site) : 4/22 (Missing value : 0)

Detection Frequency (sample) : 4/22 (Missing value : 0)

Detection limit : 200

Quantification limit : 600

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,400
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	2/18	0/1
Detection Frequency (sample)	2/3	2/18	0/1
Geometric mean	tr(300)	nd	---
Median	tr(500)	nd	---
Maximum	700	1,400	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	700
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(500)
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	1,400
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	600
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	900
				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 : 2020

Detection Frequency (site) : 5/22 (Missing value : 0)

Detection Frequency (sample) : 5/22 (Missing value : 0)

Detection limit : 200

Quantification limit : 500

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,900
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	2/18	1/1
Detection Frequency (sample)	2/3	2/18	1/1
Geometric mean	tr(400)	nd	---
Median	tr(300)	nd	---
Maximum	1,700	1,900	tr(300)
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	1,700
	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	1,900
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	tr(300)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	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)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	tr(300)
	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) tr : Detection limit value and more, less than Quantification limit value.

(Note 4) nd : Not detected

[24] Dicofo/wildlife (pg/g-wet)

Monitored year : 2020

Detection Frequency (site) : 9/22 (Missing value : 0)

Detection Frequency (sample) : 9/22 (Missing value : 0)

Detection limit : 10

Quantification limit : 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	330
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	1/3	8/18	0/1
Detection Frequency (sample)	1/3	8/18	0/1
Geometric mean	nd	tr(10)	---
Median	nd	nd	---
Maximum	tr(20)	330	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(20)
	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(10)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(20)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(20)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(10)
	Osaka Pref.	10	Osaka Bay	Sea bass	210
	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(10)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(10)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	330
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	30
				Egg of Great Cormorant (Egg white)	nd

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

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

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

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

(Note 4) nd : Not detected

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

Monitored year : 2020

Detection Frequency (site) : 13/22 (Missing value : 0)

Detection Frequency (sample) : 13/22 (Missing value : 0)

Detection limit : 2

Quantification limit : 5

	Aggregated value
Geometric mean	tr(3)
Median	tr(3)
Maximum	190
Minimum	nd

	Bivalves	Fish	Birds
Detection Frequency (site)	2/3	10/18	1/1
Detection Frequency (sample)	2/3	10/18	1/1
Geometric mean	tr(2)	tr(3)	---
Median	tr(3)	tr(2)	---
Maximum	tr(3)	18	190
Minimum	nd	nd	190

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bivalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(3)
	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	tr(4)
	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	15
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	17
	Nagoya City	8	Nagoya Port	Striped mullet	tr(3)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(4)
	Osaka Pref.	10	Osaka Bay	Sea bass	5
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	18
	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	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabream	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	190
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,400
				Egg of Great Cormorant (Egg white)	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

[1] Total Polychlorinated biphenyls (Total PCBs)/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : *0.6

Quantification limit : *1.8

	Aggregated value
Geometric mean	82
Median	82
Maximum	360
Minimum	21

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	71	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	21	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	32	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	56	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	40	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	100	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	110	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	120	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	51	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	150	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	150	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	110	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	160	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	58	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	120	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	55	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	120	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	170	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	60	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	360	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	110	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	160	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	82	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	31	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	100	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	140	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	44	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	87	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	110	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	76	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	75	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	150	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	69	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	65	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	54	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	59	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	38	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.02

Quantification limit : 0.05

	Aggregated value
Geometric mean	8.3
Median	9.5
Maximum	31
Minimum	1.4

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.9	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	5.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	4.8	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	4.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	18	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	9.5	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	12	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.7	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	31	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	17	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	6.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	11	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	5.5	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	12	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	6.7	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	28	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	9.0	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	5.7	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	6.0	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	9.5	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	15	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	8.2	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	4.7	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	9.8	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	18	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	11	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	6.8	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	13	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	12	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	7.7	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	13	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	6.1	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	20	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	11	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	11	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	1.4	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-2] Dichlorobiphenyls/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	25
Median	26
Maximum	59
Minimum	8.2

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	12	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	8.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	13	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	22	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	15	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	32	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	29	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	32	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	25	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	42	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	49	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	30	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	43	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	20	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	45	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	15	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	35	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	50	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	19	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	47	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	29	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	41	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	26	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	8.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	29	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	59	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	14	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	23	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	32	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	27	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	21	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	30	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	22	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	21	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	18	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	13	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-3] Trichlorobiphenyls/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	21
Median	22
Maximum	64
Minimum	4.5

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	11	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	4.5	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	6.9	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	13	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	9.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	28	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	42	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	38	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	15	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	41	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	35	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	34	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	41	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	17	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	27	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	14	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	29	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	46	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	15	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	64	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	32	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	53	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	25	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	9.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	22	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	33	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	10	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	27	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	27	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	18	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	19	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	32	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	12	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	12	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	12	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	16	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-4] Tetrachlorobiphenyls/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.4

	Aggregated value
Geometric mean	13
Median	15
Maximum	90
Minimum	2.9

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	16	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.9	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	3.9	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	7.8	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	5.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	15	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	20	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	23	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	6.3	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	23	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	25	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	21	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	30	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	9.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	17	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	11	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	17	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	28	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	11	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	90	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	24	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	32	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	13	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	5.1	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	19	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	19	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	5.6	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	16	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	20	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	10	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	12	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	28	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	11	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	6.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	5.9	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	8.3	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	5.7	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77) /air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.01

Quantification limit : 0.04

	Aggregated value
Geometric mean	0.1
Median	0.09
Maximum	0.62
Minimum	tr(0.03)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.30	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.03)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.03)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.08	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.05	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.11	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.11	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.12	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.06	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.16	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.15	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.17	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.31	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.05	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.12	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.08	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.08	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.24	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.07	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.62	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.14	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.12	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.07	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.07	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.18	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.16	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.05	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.09	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.11	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.07	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.08	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.24	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.07	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.07	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.04	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.12	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.03)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81) /air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 17/37 (Missing value : 0)

Detection Frequency (sample) : 17/37 (Missing value : 0)

Detection limit : 0.008

Quantification limit : 0.021

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.058
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.013)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(0.009)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.018)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.016)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.016)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.028	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.009)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.011)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.009)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	tr(0.019)	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.011)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.021	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(0.008)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(0.010)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.024	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.019)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.058	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.09

Quantification limit : 0.23

	Aggregated value
Geometric mean	6.7
Median	6.5
Maximum	110
Minimum	1.3

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	23	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	2.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	5.0	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	3.2	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	5.6	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	6.6	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	9.9	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.9	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	12	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	15	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	10	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	19	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	4.1	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	11	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	6.1	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	6.2	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	15	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	6.0	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	110	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	12	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	10	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	6.5	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	17	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	6.9	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	2.0	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	9.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	10	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	6.2	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	8.7	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	15	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	5.6	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	2.9	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	2.7	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	4.8	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	1.3	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105) /air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.01

Quantification limit : 0.03

	Aggregated value
Geometric mean	0.18
Median	0.16
Maximum	3.3
Minimum	0.03

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.38	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.04	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.04	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.16	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.07	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.14	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.16	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.22	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.09	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.33	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.39	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.28	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.81	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.08	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.26	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.16	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.15	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.64	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.14	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	3.3	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.36	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.23	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.17	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.09	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.45	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.32	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.10	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.22	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.27	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.15	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.23	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.41	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.15	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.08	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.06	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.16	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.03	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114) /air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 34/37 (Missing value : 0)

Detection Frequency (sample) : 34/37 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.03

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.02)
Maximum	0.27
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.04	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.02)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.02)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.03	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.04	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.04	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.03	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.07	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(0.01)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.03	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.02)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	tr(0.02)	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.06	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.02)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.27	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.03	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.01)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.05	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.03	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.01)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(0.02)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.03	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	tr(0.02)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.05	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.01)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(0.01)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.09	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.009

Quantification limit : 0.024

	Aggregated value
Geometric mean	0.52
Median	0.49
Maximum	10
Minimum	0.098

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	1.4	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.11	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.15	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.44	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.22	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.36	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.43	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.65	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.20	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.92	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.2	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.82	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2.0	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.26	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.79	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.46	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.41	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.49	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	10	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.71	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.50	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.22	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	1.3	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.63	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.18	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.68	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.79	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.47	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.68	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	1.1	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.38	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.20	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.18	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.44	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.098	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123) /air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 34/37 (Missing value : 0)

Detection Frequency (sample) : 34/37 (Missing value : 0)

Detection limit : 0.01

Quantification limit : 0.03

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.01)
Maximum	0.19
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.03	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(0.01)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.01)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.02)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(0.02)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.02)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.02)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.03	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.05	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(0.01)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.01)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.01)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	tr(0.01)	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.03	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.01)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.19	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.02)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.01)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.03	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	tr(0.02)	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.01)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(0.01)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.01)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	tr(0.01)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.03	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.01)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.01)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(0.01)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.04	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 18/37 (Missing value : 0)

Detection Frequency (sample) : 18/37 (Missing value : 0)

Detection limit : 0.009

Quantification limit : 0.023

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.043
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.020)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.012)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(0.020)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.014)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.011)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.015)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.030	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.010)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.015)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.017)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.010)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.026	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.009)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.009)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.030	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.024	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.018)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.043	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.07

Quantification limit : 0.19

	Aggregated value
Geometric mean	2.9
Median	2.8
Maximum	41
Minimum	0.69

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	5.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.76	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.87	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	2.8	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	1.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	1.9	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	2.3	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	3.3	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.69	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	4.3	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	5.0	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	4.3	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	9.2	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	1.5	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	3.7	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	2.1	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	2.4	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	11	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	2.4	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	41	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	4.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	3.7	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	2.5	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.1	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	6.7	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	2.8	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.85	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	4.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	3.9	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	2.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	3.9	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	20	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	2.0	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	1.1	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	1.4	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	2.9	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.69	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156) /air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.01

Quantification limit : 0.03

	Aggregated value
Geometric mean	0.03
Median	0.03
Maximum	0.42
Minimum	tr(0.01)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.04	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.03	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(0.02)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.03	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.03	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.04	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.05	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.06	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.04	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.12	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(0.01)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.03	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.03	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	tr(0.02)	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.19	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.02)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.42	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.05	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.03	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.01)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.08	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.04	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.02)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.03	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.04	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.04	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.15	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.02)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.03	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(0.01)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.11	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157) /air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 26/37 (Missing value : 0)

Detection Frequency (sample) : 26/37 (Missing value : 0)

Detection limit : 0.008

Quantification limit : 0.020

	Aggregated value
Geometric mean	tr(0.011)
Median	tr(0.010)
Maximum	0.11
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.008)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.019)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.009)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.009)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(0.013)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.017)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.017)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.017)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.037	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.010)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.010)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.087	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.11	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.015)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.010)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.008)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.022	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	tr(0.011)	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(0.011)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(0.014)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.008)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.022	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.081	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.008)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.010)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.036	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 29/37 (Missing value : 0)

Detection Frequency (sample) : 29/37 (Missing value : 0)

Detection limit : 0.008

Quantification limit : 0.020

	Aggregated value
Geometric mean	tr(0.015)
Median	tr(0.016)
Maximum	0.19
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.018)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.027	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(0.008)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.014)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.010)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.020	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.024	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.025	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.024	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.055	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.021	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.013)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	tr(0.010)	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.069	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.016)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.19	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.027	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.020	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.013)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.035	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	tr(0.015)	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(0.016)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(0.019)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.012)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.020	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.061	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.012)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.008)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.054	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 1/37 (Missing value : 0)

Detection Frequency (sample) : 1/37 (Missing value : 0)

Detection limit : 0.009

Quantification limit : 0.024

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.016)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	nd	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	nd	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	tr(0.016)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

(Note 5) nd: Not detected

[1-7] Heptachlorobiphenyls/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.05

Quantification limit : 0.14

	Aggregated value
Geometric mean	0.65
Median	0.6
Maximum	11
Minimum	0.14

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.64	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.15	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.14	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.58	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.61	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.35	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.35	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.66	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.14	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.96	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.79	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	1.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	3.0	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.35	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.54	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.38	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.60	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	7.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.50	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	5.1	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.97	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.80	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.53	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.19	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	1.2	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.74	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.24	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.84	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.82	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.48	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	1.9	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	11	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.47	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.25	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.39	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	1.3	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.15	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 36/37 (Missing value : 0)

Detection Frequency (sample) : 36/37 (Missing value : 0)

Detection limit : 0.007

Quantification limit : 0.018

	Aggregated value
Geometric mean	0.053
Median	0.045
Maximum	0.89
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.041	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.010)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.017)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.11	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.045	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.035	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.033	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.074	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.085	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.071	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.11	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.15	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.024	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.045	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.037	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.040	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.89	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.040	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.39	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.080	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.061	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.051	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.012)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.089	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.066	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.023	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.062	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.067	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.035	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.22	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.68	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.031	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.028	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.030	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.20	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.008)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.009

Quantification limit : 0.023

	Aggregated value
Geometric mean	0.1
Median	0.097
Maximum	2
Minimum	tr(0.021)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.090	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.021)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.022)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.12	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.11	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	0.053	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	0.057	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.11	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.034	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.14	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.12	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.23	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.25	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.041	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	0.084	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.055	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.097	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	2.0	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.080	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.79	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.17	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.12	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.071	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.023	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.18	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.12	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.038	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.13	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.13	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.061	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.46	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	2.0	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.057	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.034	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.059	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.25	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.022)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189) /air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 19/37 (Missing value : 0)

Detection Frequency (sample) : 19/37 (Missing value : 0)

Detection limit : 0.004

Quantification limit : 0.011

	Aggregated value
Geometric mean	tr(0.004)
Median	tr(0.004)
Maximum	0.051
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(0.007)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.006)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.005)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.005)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.011	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.004)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.006)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.017	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.011	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.004)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.006)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.005)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.014	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(0.006)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	tr(0.007)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.021	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.005)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.008)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.051	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 31/37 (Missing value : 0)

Detection Frequency (sample) : 31/37 (Missing value : 0)

Detection limit : 0.03

Quantification limit : 0.08

	Aggregated value
Geometric mean	0.08
Median	tr(0.07)
Maximum	1.5
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.05)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.06)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.08	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.06)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.09	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.12	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.09	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.15	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.20	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(0.05)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	tr(0.07)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.05)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	0.08	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.5	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.06)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.51	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.12	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.09	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.06)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.12	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	0.09	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.03)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.08	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.11	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.05)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	0.41	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	1.4	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.06)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.06)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(0.04)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.50	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 5/37 (Missing value : 0)

Detection Frequency (sample) : 5/37 (Missing value : 0)

Detection limit : 0.04

Quantification limit : 0.09

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.37
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	nd	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(0.05)	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.08)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	tr(0.05)	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.11	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.37	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 15/37 (Missing value : 0)

Detection Frequency (sample) : 15/37 (Missing value : 0)

Detection limit : 0.02

Quantification limit : 0.04

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.3
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.02)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.03)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	nd	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.03)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.03)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(0.03)	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(0.02)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.09	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(0.02)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.02)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.08	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.02)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.30	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	100
Median	94
Maximum	370
Minimum	63

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	63	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	75	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	69	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	85	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	92	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	120	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	110	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	98	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	92	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	99	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	130	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	110	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	130	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	100	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	130	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	85	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	85	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	120	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	110	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	93	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	88	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	91	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	66	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	90	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	94	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	370	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	110	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	83	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	86	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	86	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	88	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	130	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	150	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	91	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	110	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	130	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	95	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[7] Chlordanes/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : *0.21

Quantification limit : *0.54

	Aggregated value
Geometric mean	94
Median	110
Maximum	600
Minimum	4.0

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	11	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	6.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	36	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	190	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	30	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	63	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	100	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	110	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	4.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	310	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	200	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	500	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	180	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	59	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	330	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	110	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	200	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	360	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	80	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	160	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	230	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	83	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	170	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	11	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	100	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	260	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	59	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	110	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	140	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	130	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	600	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	160	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	420	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	58	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	73	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	100	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	15	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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.

[7-1] *cis*-Chlordane/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.03

Quantification limit : 0.09

	Aggregated value
Geometric mean	32
Median	37
Maximum	200
Minimum	1.5

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	12	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	66	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	9.9	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	21	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	33	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	37	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	97	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	67	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	170	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	60	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	20	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	110	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	37	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	67	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	120	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	30	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	56	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	79	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	29	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	59	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	3.9	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	35	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	87	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	19	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	38	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	47	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	42	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	200	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	53	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	140	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	20	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	24	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	34	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	5.2	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[7-2] *trans* -Chlordane/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.06

Quantification limit : 0.16

	Aggregated value
Geometric mean	35
Median	42
Maximum	230
Minimum	1.5

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	4.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.1	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	14	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	74	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	11	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	23	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	37	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	42	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	120	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	78	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	190	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	66	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	21	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	120	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	41	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	77	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	140	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	27	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	60	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	85	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	32	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	63	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	3.7	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	39	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	100	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	23	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	42	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	54	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	51	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	230	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	60	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	150	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	22	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	27	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	42	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	4.2	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[7-3] Oxychlordan/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.04

Quantification limit : 0.10

	Aggregated value
Geometric mean	0.79
Median	0.8
Maximum	2.6
Minimum	0.15

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.26	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.48	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.40	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	1.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.55	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	1.0	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	1.1	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.78	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.15	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1.7	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.1	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2.0	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.86	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	1.8	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.59	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	1.2	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	2.2	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.80	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.61	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.51	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.0	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.29	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.67	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	1.4	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.34	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.64	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.79	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.90	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	2.6	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	0.96	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	1.4	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.69	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.60	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.50	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.49	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[7-4] *cis*-Nonachlor/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.04

Quantification limit : 0.09

	Aggregated value
Geometric mean	3.1
Median	3.4
Maximum	24
Minimum	0.13

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.31	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.13	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.85	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	5.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	1.1	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	2.3	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	3.9	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	3.3	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.17	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	11	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	6.3	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	17	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	7.7	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	2.3	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	13	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	3.2	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	6.4	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	11	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	2.9	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	4.6	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	7.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	2.2	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	4.9	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.40	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	3.5	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	10	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	2.7	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	3.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	4.0	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	3.4	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	24	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	6.0	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	1.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	3.0	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	2.2	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.53	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[7-5] *trans*-Nonachlor/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.04

Quantification limit : 0.10

	Aggregated value
Geometric mean	23
Median	26
Maximum	140
Minimum	1.0

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.4	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	8.3	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	45	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	7.5	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	16	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	26	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	25	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	77	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	51	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	120	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	47	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	15	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	87	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	27	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	52	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	83	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	19	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	38	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	54	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	19	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	41	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.9	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	26	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	64	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	14	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	26	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	33	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	29	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	140	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	39	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	110	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	14	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	18	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	24	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	4.1	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[8] Heptachlors/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : *0.13

Quantification limit : *0.34

	Aggregated value
Geometric mean	8.9
Median	10
Maximum	38
Minimum	1.0

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	3.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	9.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	16	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	4.0	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	8.0	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	8.0	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	9.0	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	26	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	16	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	38	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	17	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	4.0	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	23	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	9.0	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	19	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	19	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	5.0	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	13	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	18	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	10	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	19	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	11	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	22	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	6.0	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	8.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	13	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	14	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	20	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	11	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	24	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	7.0	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	5.0	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	7.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	1.0	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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.

[8-1] Heptachlor/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.04

Quantification limit : 0.10

	Aggregated value
Geometric mean	7.6
Median	9.2
Maximum	35
Minimum	0.69

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.86	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	8.7	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	15	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	3.5	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	6.5	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	5.9	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	7.9	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.69	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	24	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	14	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	35	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	16	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	3.6	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	21	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	7.9	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	18	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	17	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	4.1	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	12	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	17	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	9.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	18	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.89	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	10	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	20	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	5.5	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	7.6	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	12	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	13	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	18	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	9.2	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	6.1	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	3.9	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	6.7	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.75	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[8-2] *cis*-Heptachlor epoxide/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.04

Quantification limit : 0.11

	Aggregated value
Geometric mean	1.1
Median	1.2
Maximum	2.9
Minimum	0.23

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.60	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.7	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.64	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	1.2	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	0.75	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	2.0	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	1.6	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	1.3	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.23	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2.2	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.7	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2.9	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	0.79	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	2.0	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.81	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	1.2	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.9	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	0.87	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.89	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.67	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.1	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.41	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.87	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	2.2	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.73	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	0.89	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	1.3	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	1.4	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	2.2	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	1.5	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	1.9	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.79	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	0.73	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	0.74	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.43	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[8-3] *trans*-Heptachlor epoxide/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.05

Quantification limit : 0.13

	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	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	nd	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	nd	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) nd : Not detected

[15] Perfluorooctane sulfonic acid (PFOS) /air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	3.4
Median	4.2
Maximum	7.2
Minimum	1.1

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	4.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	6.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	6.6	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	6.5	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	7.0	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	5.4	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	6.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2.2	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	4.9	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	5.1	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2.3	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	4.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	1.9	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	6.6	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	2.1	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	7.1	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	2.4	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	1.4	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	1.4	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.5	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	1.1	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	7.2	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	6.3	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	2.3	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	5.2	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	6.1	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	2.0	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	2.9	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	6.4	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	1.1	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	6.9	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	2.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	4.9	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[16] Perfluorooctanoic acid (PFOA) /air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.3

Quantification limit : 0.8

	Aggregated value
Geometric mean	13
Median	12
Maximum	55
Minimum	4.9

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	4.9	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	7.4	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	7.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	16	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	8.2	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	18	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	21	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	15	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	10	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	21	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	12	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	14	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	17	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	13	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	22	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	9.6	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	13	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	20	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	8.3	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	34	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	18	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	9.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	10	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	13	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	12	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	55	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	9.4	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	11	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	10	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	10	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	13	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	19	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	14	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	6.1	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	10	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	9.2	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	6.7	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[17] Pentachlorobenzene/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 0.07

Quantification limit : 0.17

	Aggregated value
Geometric mean	69
Median	63
Maximum	180
Minimum	35

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	35	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	46	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	36	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	49	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	49	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	85	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	72	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	93	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	140	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	81	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	92	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	63	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	110	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	66	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	92	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	56	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	59	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	77	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	67	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	60	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	46	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	75	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	48	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	56	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	77	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	180	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	62	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	58	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	62	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	62	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	57	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	130	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	98	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	79	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	58	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	130	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	47	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

[21] Hexachlorobuta-1,3-diene/air (pg/m³)

Monitored year : 2020

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

Detection Frequency (sample) : 110/110 (Missing value : 1)

Detection limit : 10

Quantification limit : 30

	Aggregated value
Geometric mean	2,500
Median	2,500
Maximum	9,800
Minimum	1,500

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/5 - 10/6	2,200	LV
			10/6 - 10/7	2,000	
			10/7 - 10/8	2,000	
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1,800	LV
			9/29 - 9/30	1,800	
			9/30 - 10/1	1,900	
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1,700	LV
			9/29 - 9/30	1,800	
			9/30 - 10/1	1,700	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/19 - 10/20	2,700	LV
			10/20 - 10/21	2,400	
			10/21 - 10/22	2,300	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/29 - 9/30	1,800	LV
			9/30 - 10/1	1,800	
			10/1 - 10/2	1,800	
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/30 - 10/1	1,800	LV
			10/1 - 10/2	1,800	
			10/2 - 10/3	2,200	
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/6	2,900	LV
			10/6 - 10/7	2,300	
			10/7 - 10/8	2,400	
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/20 - 10/21	2,600	LV
			10/21 - 10/22	2,200	
			10/22 - 10/23	2,300	
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/5	2,300	LV
			10/5 - 10/6	1,500	
			10/6 - 10/7	1,600	
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2,600	LV
			10/6 - 10/7	2,200	
			10/7 - 10/8	2,200	
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/20	2,800	LV
			10/20 - 10/21	2,900	
			10/21 - 10/22	2,300	
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2,500	LV
			9/15 - 9/16	2,700	
			9/16 - 9/17	2,600	
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2,600	LV
			9/16 - 9/17	3,000	
			9/17 - 9/18	4,400	
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	2,300	LV
			9/15 - 9/16	2,700	
			9/16 - 9/17	3,300	
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	3,200	LV
			9/15 - 9/16	3,100	
			9/16 - 9/17	3,100	
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/21	2,700	LV
			10/21 - 10/22	2,400	
			10/23 - 10/24	---	
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	1,900	LV
			10/13 - 10/14	2,200	
			10/14 - 10/15	2,800	
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/9	2,500	LV
			9/9 - 9/10	2,800	
			9/10 - 9/11	2,100	
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	2,600	LV
			9/15 - 9/16	2,900	
			9/16 - 9/17	3,200	
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	2,100	LV
			10/13 - 10/14	2,500	
			10/14 - 10/15	2,800	

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1,800	LV
			9/29 - 9/30	1,900	
			9/30 - 10/1	1,900	
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	2,200	LV
			10/27 - 10/28	2,200	
			10/28 - 10/29	3,000	
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	2,200	LV
			10/27 - 10/28	2,100	
			10/28 - 10/29	2,400	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	3,400	LV
			10/20 - 10/21	3,100	
			10/21 - 10/22	2,600	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	2,900	LV
			10/20 - 10/21	2,800	
			10/21 - 10/22	2,700	
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/9	6,200	LV
			9/9 - 9/10	9,800	
			9/10 - 9/11	5,100	
	27	Hagi Health and Welfare Center (Hagi City)	11/24 - 11/25	2,200	LV
			11/25 - 11/26	2,500	
			11/26 - 11/27	2,600	
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	2,700	LV
			10/20 - 10/21	2,800	
			10/21 - 10/22	2,500	
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/15	3,000	LV
			10/15 - 10/16	2,500	
			10/16 - 10/17	2,200	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/15	2,900	LV
			10/15 - 10/16	2,400	
			10/16 - 10/17	2,200	
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	2,700	LV
			10/6 - 10/7	2,300	
			10/7 - 10/8	2,500	
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	2,300	LV
			10/21 - 10/22	2,500	
			10/22 - 10/23	3,100	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/10	8,700	LV
			9/10 - 9/11	4,600	
			9/11 - 9/12	3,500	
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	2,500	LV
			10/27 - 10/28	2,300	
			10/28 - 10/29	2,400	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/6	2,900	LV
			10/6 - 10/7	2,400	
			10/7 - 10/8	2,400	
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	3,000	LV
			10/20 - 10/21	2,500	
			10/21 - 10/22	2,500	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	2,600	LV
			9/29 - 9/30	2,500	
			9/30 - 10/1	2,300	

(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) LV: Low volume air sampler.

(Note 4) --- : Missing value

[23] Short-chain chlorinated paraffins/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : *200

Quantification limit : *500

	Aggregated value
Geometric mean	500
Median	500
Maximum	3,500
Minimum	tr(200)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(200)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(200)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	500	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(300)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(200)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	700	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(200)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	700	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	700	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1,000	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1,000	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(400)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	500	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(400)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	1,400	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(200)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	1,300	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	3,500	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	500	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	1,600	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	700	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	600	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	700	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(300)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(400)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	900	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	500	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	800	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	1,200	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(300)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	700	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	tr(400)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	600	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(300)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	500	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	tr(300)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(200)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

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

[23-1] Chlorinated decanes/air (pg/m³)

Monitored year : 2020

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

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

Detection limit : 50

Quantification limit : 120

	Aggregated value
Geometric mean	170
Median	170
Maximum	560
Minimum	tr(60)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(60)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(70)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	200	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	120	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(100)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	230	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(90)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	230	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	160	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	280	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	400	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	170	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	200	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	140	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	560	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(60)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	290	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	550	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	150	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	540	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	240	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	200	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	200	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(110)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	170	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	300	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	140	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	230	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	140	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	120	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	170	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	130	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	210	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(70)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(100)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	tr(100)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(70)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 50

Quantification limit : 120

	Aggregated value
Geometric mean	220
Median	220
Maximum	1,900
Minimum	tr(50)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(60)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(60)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	160	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	120	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(80)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	330	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(80)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	340	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	450	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	460	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	400	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	160	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	160	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	190	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	470	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(60)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	710	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1,900	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	230	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	600	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	240	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	210	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	280	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(110)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	160	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	410	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	290	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	300	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	930	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	170	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	400	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	140	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	220	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	140	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	350	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	tr(110)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(50)	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.

(Note 4) tr: Detection limit value and more, less than Quantification limit value.

[23-3] Chlorinated dodecanes/air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 29/37 (Missing value : 0)

Detection Frequency (sample) : 29/37 (Missing value : 0)

Detection limit : 50

Quantification limit : 140

	Aggregated value
Geometric mean	tr(80)
Median	tr(70)
Maximum	640
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(60)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(70)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(80)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(110)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(70)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	160	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	150	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(80)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(70)	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(50)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	220	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	190	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	640	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(120)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	290	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(110)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(110)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	140	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(70)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(70)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	tr(110)	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	180	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(110)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	tr(90)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	tr(60)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	140	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	tr(70)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	tr(50)	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	tr(60)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

Detection Frequency (site) : 23/37 (Missing value : 0)

Detection Frequency (sample) : 23/37 (Missing value : 0)

Detection limit : 40

Quantification limit : 100

	Aggregated value
Geometric mean	tr(40)
Median	tr(40)
Maximum	360
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(40)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(40)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	tr(50)	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(50)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(70)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(60)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(50)	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	120	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	nd	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	tr(70)	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	360	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	tr(40)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	140	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(70)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(50)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(50)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(40)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(40)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	tr(90)	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	tr(80)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	tr(70)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	tr(60)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	tr(40)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(60)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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

[24] Dicofol/air (pg/m³)

Monitored year : 2020

Detection Frequency (site) : 3/37 (Missing value : 0)

Detection Frequency (sample) : 3/37 (Missing value : 0)

Detection limit : 0.2

Quantification limit : 0.5

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

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	nd	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	nd	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	nd	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	tr(0.2)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.3)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.3)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	nd	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	nd	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	nd	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	nd	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	nd	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) 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 : 2020

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

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

Detection limit : 0.1

Quantification limit : 0.3

	Aggregated value
Geometric mean	2.5
Median	2.4
Maximum	6.1
Minimum	0.7

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.7	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1.4	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	5.3	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	5.9	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	5.6	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	4.0	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	4.6	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	2.8	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1.8	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	4.8	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	4.1	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	2.4	HV
			9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	1.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	6.1	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	10/12 - 10/13	1.3	HV
			10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	4.3	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15	1.8	HV
			9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	0.9	HV
			10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.4	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	1.0	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.2	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.2	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.9	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	4.9	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	4.3	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	10/19 - 10/20	1.5	HV
			10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	10/14 - 10/21	4.9	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	5.3	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/5 - 10/6	1.3	HV
			10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omura City Government Building (Omura City)	10/20 - 10/21	1.8	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	5.6	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/26 - 10/27	0.7	HV
			10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Health and Environment (Miyazaki City)	10/5 - 10/12	5.8	MV
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20	1.5	HV
			10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	3.4	HV
			9/29 - 9/30		
			9/30 - 10/1		

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

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

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

(Note 3) HV: High volume air sampler, MV: Medium volume air sampler.