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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : *4
Quantification limit : *9

	Aggregated value
Geometric mean	120
Median	85
Maximum	4,500
Minimum	10

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	40
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	14
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	34
Akita Pref.	4	Lake Hachiro	82
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	24
Fukushima Pref.	6	Onahama Port	76
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	70
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	140
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	76
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	120
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	1,200
	12	Mouth of Riv. Sumida (Minato Ward)	1,300
Yokohama City	13	Yokohama Port	630
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	500
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	91
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	210
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	810
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4,500
Nagano Pref.	19	Lake Suwa (center)	85
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	170
Aichi Pref.	21	Nagoya Port	470
Mie Pref.	22	Yokkaichi Port	510
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	110
Kyoto Pref.	24	Miyazu Port	14
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	700
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	350
Osaka City	27	Osaka Port	970
Hyogo Pref.	28	Offshore of Himeji	70
Kobe City	29	Kobe Port (center)	780
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	80
Okayama Pref.	31	Offshore of Mizushima	53
Hiroshima Pref.	32	Kure Port	220
	33	Hiroshima Bay	47
Yamaguchi Pref.	34	Tokuyama Bay	31
	35	Offshore of Ube	23
	36	Offshore of Hagi	20
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	97
Kagawa Pref.	38	Takamatsu Port	580
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	10
Kitakyushu City	40	Dokai Bay	1,100
Saga Pref.	41	Imari Bay	47
Nagasaki Pref.	42	Omura Bay	22
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	43
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	17
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	13
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	18
Okinawa Pref.	47	Naha Port	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) * : Indicates the sum value of the Quantification [Detection] limits of each congeners.

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

Monitored year : 2023
Detection Frequency (site) : 28/47 (Missing value : 0)
Detection Frequency (sample) : 28/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	tr(0.6)
Median	tr(0.5)
Maximum	150
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	5.0
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.1
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	3.4
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.5)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	0.9
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	1.9
	12	Mouth of Riv. Sumida (Minato Ward)	2.3
Yokohama City	13	Yokohama Port	1.4
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.1
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	150
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	39
Nagano Pref.	19	Lake Suwa (center)	tr(0.4)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	2.1
Mie Pref.	22	Yokkaichi Port	1.4
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	3.0
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	5.4
Osaka City	27	Osaka Port	tr(0.5)
Hyogo Pref.	28	Offshore of Himeji	0.8
Kobe City	29	Kobe Port (center)	0.8
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.3)
Okayama Pref.	31	Offshore of Mizushima	tr(0.5)
Hiroshima Pref.	32	Kure Port	0.7
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	6.3
	35	Offshore of Ube	1.2
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	4.3
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	tr(0.4)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(0.5)
Okinawa Pref.	47	Naha Port	1.5

(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

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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.6
Quantification limit : 1.5

	Aggregated value
Geometric mean	12
Median	9.5
Maximum	980
Minimum	tr(0.9)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.7
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.9)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	5.5
Akita Pref.	4	Lake Hachiro	2.3
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.9)
Fukushima Pref.	6	Onahama Port	16
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	8.4
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	46
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	9.9
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	19
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	84
	12	Mouth of Riv. Sumida (Minato Ward)	43
Yokohama City	13	Yokohama Port	14
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	15
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	5.7
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	14
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	49
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	980
Nagano Pref.	19	Lake Suwa (center)	8.9
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	4.2
Aichi Pref.	21	Nagoya Port	46
Mie Pref.	22	Yokkaichi Port	110
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	6.4
Kyoto Pref.	24	Miyazu Port	7.0
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	92
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	53
Osaka City	27	Osaka Port	50
Hyogo Pref.	28	Offshore of Himeji	9.5
Kobe City	29	Kobe Port (center)	30
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	11
Okayama Pref.	31	Offshore of Mizushima	9.0
Hiroshima Pref.	32	Kure Port	7.6
	33	Hiroshima Bay	3.8
Yamaguchi Pref.	34	Tokuyama Bay	8.6
	35	Offshore of Ube	4.1
	36	Offshore of Hagi	3.5
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	2.1
Kagawa Pref.	38	Takamatsu Port	27
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	4.3
Kitakyushu City	40	Dokai Bay	29
Saga Pref.	41	Imari Bay	7.4
Nagasaki Pref.	42	Omura Bay	11
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	11
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	7.0
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	4.6
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	7.0
Okinawa Pref.	47	Naha Port	19

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	20
Median	15
Maximum	1,200
Minimum	1.2

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	7.4
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.0
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	4.9
Akita Pref.	4	Lake Hachiro	5.5
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	1.8
Fukushima Pref.	6	Onahama Port	18
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9.9
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	27
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	17
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	20
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	440
	12	Mouth of Riv. Sumida (Minato Ward)	370
Yokohama City	13	Yokohama Port	120
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	91
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	10
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	12
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	220
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,200
Nagano Pref.	19	Lake Suwa (center)	6.9
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	15
Aichi Pref.	21	Nagoya Port	180
Mie Pref.	22	Yokkaichi Port	120
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	15
Kyoto Pref.	24	Miyazu Port	2.5
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	160
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	120
Osaka City	27	Osaka Port	180
Hyogo Pref.	28	Offshore of Himeji	17
Kobe City	29	Kobe Port (center)	120
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	12
Okayama Pref.	31	Offshore of Mizushima	11
Hiroshima Pref.	32	Kure Port	19
	33	Hiroshima Bay	9.3
Yamaguchi Pref.	34	Tokuyama Bay	4.2
	35	Offshore of Ube	4.5
	36	Offshore of Hagi	4.0
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	17
Kagawa Pref.	38	Takamatsu Port	210
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.7
Kitakyushu City	40	Dokai Bay	180
Saga Pref.	41	Imari Bay	9.3
Nagasaki Pref.	42	Omura Bay	3.9
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	7.2
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	2.6
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	1.2
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.8
Okinawa Pref.	47	Naha Port	42

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	32
Median	23
Maximum	2,000
Minimum	1.6

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	10
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	4.3
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	10
Akita Pref.	4	Lake Hachiro	14
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	6.0
Fukushima Pref.	6	Onahama Port	21
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	23
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	38
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	21
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	31
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	460
	12	Mouth of Riv. Sumida (Minato Ward)	590
Yokohama City	13	Yokohama Port	280
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	200
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	25
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	15
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	380
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2,000
Nagano Pref.	19	Lake Suwa (center)	19
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	32
Aichi Pref.	21	Nagoya Port	150
Mie Pref.	22	Yokkaichi Port	130
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	26
Kyoto Pref.	24	Miyazu Port	3.1
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	200
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	89
Osaka City	27	Osaka Port	370
Hyogo Pref.	28	Offshore of Himeji	23
Kobe City	29	Kobe Port (center)	200
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	24
Okayama Pref.	31	Offshore of Mizushima	15
Hiroshima Pref.	32	Kure Port	42
	33	Hiroshima Bay	14
Yamaguchi Pref.	34	Tokuyama Bay	4.5
	35	Offshore of Ube	5.6
	36	Offshore of Hagi	4.4
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	37
Kagawa Pref.	38	Takamatsu Port	190
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.6
Kitakyushu City	40	Dokai Bay	530
Saga Pref.	41	Imari Bay	18
Nagasaki Pref.	42	Omura Bay	4.8
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	12
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	4.4
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	3.5
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.3
Okinawa Pref.	47	Naha Port	71

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, 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 : 2023
Detection Frequency (site) : 30/47 (Missing value : 0)
Detection Frequency (sample) : 30/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	tr(0.5)
Median	tr(0.4)
Maximum	8.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi 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	tr(0.5)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	0.8
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.5)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.6)
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	8.6
	12	Mouth of Riv. Sumida (Minato Ward)	4.7
Yokohama City	13	Yokohama Port	tr(0.7)
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1.3
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.6)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.3)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	2.7
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.7)
Nagano Pref.	19	Lake Suwa (center)	tr(0.5)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.5)
Aichi Pref.	21	Nagoya Port	1.5
Mie Pref.	22	Yokkaichi Port	1.6
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(0.7)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.2
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	0.8
Osaka City	27	Osaka Port	5.9
Hyogo Pref.	28	Offshore of Himeji	tr(0.4)
Kobe City	29	Kobe Port (center)	1.2
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.4)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.4)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	0.8
Kagawa Pref.	38	Takamatsu Port	2.4
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	5.6
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.3)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.4)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 1/47 (Missing value : 0)
Detection Frequency (sample) : 1/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

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

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

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected 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 : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	20
Median	20
Maximum	310
Minimum	tr(0.6)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	12
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	5.1
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	7.2
Akita Pref.	4	Lake Hachiro	34
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	9.9
Fukushima Pref.	6	Onahama Port	11
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	17
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	18
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	15
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	26
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	150
	12	Mouth of Riv. Sumida (Minato Ward)	210
Yokohama City	13	Yokohama Port	140
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	120
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	28
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	13
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	130
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	310
Nagano Pref.	19	Lake Suwa (center)	20
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	70
Aichi Pref.	21	Nagoya Port	62
Mie Pref.	22	Yokkaichi Port	79
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	34
Kyoto Pref.	24	Miyazu Port	tr(0.6)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	150
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	42
Osaka City	27	Osaka Port	230
Hyogo Pref.	28	Offshore of Himeji	11
Kobe City	29	Kobe Port (center)	150
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	20
Okayama Pref.	31	Offshore of Mizushima	6.6
Hiroshima Pref.	32	Kure Port	55
	33	Hiroshima Bay	9.3
Yamaguchi Pref.	34	Tokuyama Bay	2.9
	35	Offshore of Ube	3.4
	36	Offshore of Hagi	3.5
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	22
Kagawa Pref.	38	Takamatsu Port	82
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.5
Kitakyushu City	40	Dokai Bay	260
Saga Pref.	41	Imari Bay	7.0
Nagasaki Pref.	42	Omura Bay	1.0
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	8.7
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	2.0
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	2.6
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.9
Okinawa Pref.	47	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.

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

Monitored year : 2023
Detection Frequency (site) : 40/47 (Missing value : 0)
Detection Frequency (sample) : 40/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	1.4
Median	1.4
Maximum	16
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.7)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.5)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.6)
Akita Pref.	4	Lake Hachiro	2.1
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	0.9
Fukushima Pref.	6	Onahama Port	0.9
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.1
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.8
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.7
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	2.3
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	6.1
	12	Mouth of Riv. Sumida (Minato Ward)	9.3
Yokohama City	13	Yokohama Port	5.4
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	5.6
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	2.2
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	5.0
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.1
Nagano Pref.	19	Lake Suwa (center)	1.1
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.6
Aichi Pref.	21	Nagoya Port	3.4
Mie Pref.	22	Yokkaichi Port	5.8
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	2.4
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.7
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.5
Osaka City	27	Osaka Port	7.0
Hyogo Pref.	28	Offshore of Himeji	tr(0.7)
Kobe City	29	Kobe Port (center)	5.1
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.3
Okayama Pref.	31	Offshore of Mizushima	tr(0.5)
Hiroshima Pref.	32	Kure Port	1.4
	33	Hiroshima Bay	tr(0.6)
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	tr(0.4)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	1.6
Kagawa Pref.	38	Takamatsu Port	5.8
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	16
Saga Pref.	41	Imari Bay	tr(0.6)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.7)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.4)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	1.8

(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

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

Monitored year : 2023
Detection Frequency (site) : 4/47 (Missing value : 0)
Detection Frequency (sample) : 4/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

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

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

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 46/47 (Missing value : 0)
Detection Frequency (sample) : 46/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	3.3
Median	3.2
Maximum	34
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.3
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.7
Akita Pref.	4	Lake Hachiro	6.5
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	2.0
Fukushima Pref.	6	Onahama Port	2.1
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	2.6
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	3.4
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3.2
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	4.7
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	19
	12	Mouth of Riv. Sumida (Minato Ward)	29
Yokohama City	13	Yokohama Port	20
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	19
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	5.3
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.0
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	12
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3.4
Nagano Pref.	19	Lake Suwa (center)	2.0
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	12
Aichi Pref.	21	Nagoya Port	7.7
Mie Pref.	22	Yokkaichi Port	11
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	5.6
Kyoto Pref.	24	Miyazu Port	tr(0.6)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	18
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	5.9
Osaka City	27	Osaka Port	23
Hyogo Pref.	28	Offshore of Himeji	1.9
Kobe City	29	Kobe Port (center)	17
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.9
Okayama Pref.	31	Offshore of Mizushima	1.3
Hiroshima Pref.	32	Kure Port	5.3
	33	Hiroshima Bay	1.5
Yamaguchi Pref.	34	Tokuyama Bay	tr(0.7)
	35	Offshore of Ube	tr(0.8)
	36	Offshore of Hagi	0.9
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	3.4
Kagawa Pref.	38	Takamatsu Port	14
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	40	Dokai Bay	34
Saga Pref.	41	Imari Bay	1.4
Nagasaki Pref.	42	Omura Bay	tr(0.6)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1.7
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.8)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	0.9
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(0.8)
Okinawa Pref.	47	Naha Port	4.4

(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

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

Monitored year : 2023
Detection Frequency (site) : 3/47 (Missing value : 0)
Detection Frequency (sample) : 3/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1.0
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	nd
	12	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	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 Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.5)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	27	Osaka Port	tr(0.6)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	nd
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	nd
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	1.0
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	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 : 2023
Detection Frequency (site) : 1/47 (Missing value : 0)
Detection Frequency (sample) : 1/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.9
Minimum	nd

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

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	12
Median	11
Maximum	160
Minimum	tr(0.4)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6.6
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.0
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	5.3
Akita Pref.	4	Lake Hachiro	22
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4.9
Fukushima Pref.	6	Onahama Port	4.8
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	8.7
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	8.5
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	8.9
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	18
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	55
	12	Mouth of Riv. Sumida (Minato Ward)	61
Yokohama City	13	Yokohama Port	57
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	59
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	18
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7.0
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	29
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	12
Nagano Pref.	19	Lake Suwa (center)	18
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	40
Aichi Pref.	21	Nagoya Port	23
Mie Pref.	22	Yokkaichi Port	45
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	26
Kyoto Pref.	24	Miyazu Port	1.2
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	80
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	28
Osaka City	27	Osaka Port	110
Hyogo Pref.	28	Offshore of Himeji	8.1
Kobe City	29	Kobe Port (center)	160
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	11
Okayama Pref.	31	Offshore of Mizushima	7.9
Hiroshima Pref.	32	Kure Port	64
	33	Hiroshima Bay	8.1
Yamaguchi Pref.	34	Tokuyama Bay	3.2
	35	Offshore of Ube	2.7
	36	Offshore of Hagi	3.4
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	14
Kagawa Pref.	38	Takamatsu Port	52
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	40	Dokai Bay	90
Saga Pref.	41	Imari Bay	3.6
Nagasaki Pref.	42	Omura Bay	1.1
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	3.6
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.9)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	1.1
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	1.6
Okinawa Pref.	47	Naha Port	68

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 25/47 (Missing value : 0)
Detection Frequency (sample) : 25/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	tr(0.5)
Median	tr(0.4)
Maximum	2.5
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.9)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.8)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.8)
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	1.6
	12	Mouth of Riv. Sumida (Minato Ward)	1.8
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1.4
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.6)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.4)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1.1
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	tr(0.5)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.8
Aichi Pref.	21	Nagoya Port	tr(0.8)
Mie Pref.	22	Yokkaichi Port	1.6
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	1.0
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.5
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(0.9)
Osaka City	27	Osaka Port	1.6
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	2.0
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.6)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.8)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(0.5)
Kagawa Pref.	38	Takamatsu Port	1.9
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	2.0
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.9)

(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

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

Monitored year : 2023
Detection Frequency (site) : 7/47 (Missing value : 0)
Detection Frequency (sample) : 7/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	tr(0.4)
	12	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	tr(0.5)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.7)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	27	Osaka Port	tr(0.6)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(0.5)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(0.5)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(0.6)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	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 : 2023
Detection Frequency (site) : 15/47 (Missing value : 0)
Detection Frequency (sample) : 15/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1.2
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi 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	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	tr(0.7)
	12	Mouth of Riv. Sumida (Minato Ward)	tr(0.7)
Yokohama City	13	Yokohama Port	tr(0.6)
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(0.9)
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.4)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.6)
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	tr(0.6)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(0.4)
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.0
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	27	Osaka Port	1.2
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	1.2
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.5)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(0.8)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(0.9)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected 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 : 2023
Detection Frequency (site) : 0/47 (Missing value : 0)
Detection Frequency (sample) : 0/47 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

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

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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 : 2023
Detection Frequency (site) : 38/47 (Missing value : 0)
Detection Frequency (sample) : 38/47 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	2.4
Median	2.1
Maximum	97
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.6
Akita Pref.	4	Lake Hachiro	2.9
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.7)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.2
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	2.1
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.4
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	3.4
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	11
	12	Mouth of Riv. Sumida (Minato Ward)	12
Yokohama City	13	Yokohama Port	13
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	13
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	2.9
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.6)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	4.4
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.8
Nagano Pref.	19	Lake Suwa (center)	10
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	4.6
Aichi Pref.	21	Nagoya Port	5.3
Mie Pref.	22	Yokkaichi Port	16
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	1.2
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	14
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	10
Osaka City	27	Osaka Port	28
Hyogo Pref.	28	Offshore of Himeji	tr(0.6)
Kobe City	29	Kobe Port (center)	97
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.8
Okayama Pref.	31	Offshore of Mizushima	2.7
Hiroshima Pref.	32	Kure Port	28
	33	Hiroshima Bay	2.1
Yamaguchi Pref.	34	Tokuyama Bay	1.4
	35	Offshore of Ube	1.2
	36	Offshore of Hagi	tr(0.8)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	4.6
Kagawa Pref.	38	Takamatsu Port	16
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	32
Saga Pref.	41	Imari Bay	1.3
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.5)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	41

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected 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 : 2023
Detection Frequency (site) : 25/47 (Missing value : 0)
Detection Frequency (sample) : 25/47 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	tr(0.6)
Median	tr(0.6)
Maximum	7.9
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.8)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.6)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.7)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.9)
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	1.5
	12	Mouth of Riv. Sumida (Minato Ward)	1.9
Yokohama City	13	Yokohama Port	1.2
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.0
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)	tr(0.8)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.5)
Nagano Pref.	19	Lake Suwa (center)	1.5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.4
Aichi Pref.	21	Nagoya Port	tr(0.9)
Mie Pref.	22	Yokkaichi Port	2.3
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.4
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	1.5
Osaka City	27	Osaka Port	3.3
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	7.9
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.6)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	2.7
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(0.8)
Kagawa Pref.	38	Takamatsu Port	2.4
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3.3
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	4.2

(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

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

Monitored year : 2023
Detection Frequency (site) : 37/47 (Missing value : 0)
Detection Frequency (sample) : 37/47 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	1.2
Median	1.2
Maximum	24
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(0.7)
Akita Pref.	4	Lake Hachiro	1.4
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.7)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.7)
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.5
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1.5
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	3.4
	12	Mouth of Riv. Sumida (Minato Ward)	3.5
Yokohama City	13	Yokohama Port	3.5
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	3.8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	1.6
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.6)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1.6
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.7)
Nagano Pref.	19	Lake Suwa (center)	3.5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.9
Aichi Pref.	21	Nagoya Port	1.8
Mie Pref.	22	Yokkaichi Port	4.8
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	1.2
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4.0
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	3.4
Osaka City	27	Osaka Port	7.0
Hyogo Pref.	28	Offshore of Himeji	tr(0.6)
Kobe City	29	Kobe Port (center)	24
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.2
Okayama Pref.	31	Offshore of Mizushima	tr(1.0)
Hiroshima Pref.	32	Kure Port	7.9
	33	Hiroshima Bay	tr(0.8)
Yamaguchi Pref.	34	Tokuyama Bay	tr(0.7)
	35	Offshore of Ube	tr(0.5)
	36	Offshore of Hagi	tr(0.8)
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	1.7
Kagawa Pref.	38	Takamatsu Port	5.2
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	8.2
Saga Pref.	41	Imari Bay	tr(0.7)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.5)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	12

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 0/47 (Missing value : 0)
Detection Frequency (sample) : 0/47 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

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

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 18/47 (Missing value : 0)
Detection Frequency (sample) : 18/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	tr(0.4)
Median	nd
Maximum	17
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(0.3)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	1.8
	12	Mouth of Riv. Sumida (Minato Ward)	1.9
Yokohama City	13	Yokohama Port	1.5
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1.7
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.7)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	2.0
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	0.8
Mie Pref.	22	Yokkaichi Port	4.3
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1.7
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	2.1
Osaka City	27	Osaka Port	5.1
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	17
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	4.1
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(0.7)
Kagawa Pref.	38	Takamatsu Port	3.0
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	5.1
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	7.1

(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

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

Monitored year : 2023
Detection Frequency (site) : 13/47 (Missing value : 0)
Detection Frequency (sample) : 13/47 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1.3
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.3)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.3
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.5)
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	nd
	12	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
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)	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	1.0
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.2)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	27	Osaka Port	tr(0.4)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	1.0
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	tr(0.3)
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(0.3)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(0.5)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.5)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected 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 : 2023
Detection Frequency (site) : 13/47 (Missing value : 0)
Detection Frequency (sample) : 13/47 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	11
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	0.5
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.2)
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	1.0
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	0.5
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	nd
	12	Mouth of Riv. Sumida (Minato Ward)	0.8
Yokohama City	13	Yokohama Port	nd
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	0.8
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	0.5
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(0.2)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	27	Osaka Port	tr(0.2)
Hyogo Pref.	28	Offshore of Himeji	nd
Kobe City	29	Kobe Port (center)	tr(0.2)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	nd
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	38	Takamatsu Port	tr(0.4)
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	11
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	47	Naha Port	tr(0.3)

(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) /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	6.1
Median	5.3
Maximum	190
Minimum	1.4

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	14
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	5.3
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	3.2
Akita Pref.	4	Lake Hachiro	6.0
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	5.8
Fukushima Pref.	6	Onahama Port	59
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	12
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	7.4
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	100
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	46
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	7.6
	12	Mouth of Riv. Sumida (Minato Ward)	4.9
Yokohama City	13	Yokohama Port	5.4
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	4.8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	18
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.7
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	23
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.9
Nagano Pref.	19	Lake Suwa (center)	8.1
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	8.3
Aichi Pref.	21	Nagoya Port	3.4
Mie Pref.	22	Yokkaichi Port	20
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	5.5
Kyoto Pref.	24	Miyazu Port	3.7
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	9.6
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	27	Osaka Port	7.1
Hyogo Pref.	28	Offshore of Himeji	1.9
Kobe City	29	Kobe Port (center)	2.4
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.3
Okayama Pref.	31	Offshore of Mizushima	3.5
Hiroshima Pref.	32	Kure Port	1.5
	33	Hiroshima Bay	1.4
Yamaguchi Pref.	34	Tokuyama Bay	2.3
	35	Offshore of Ube	1.5
	36	Offshore of Hagi	1.9
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	4.4
Kagawa Pref.	38	Takamatsu Port	7.0
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	2.5
Kitakyushu City	40	Dokai Bay	190
Saga Pref.	41	Imari Bay	2.6
Nagasaki Pref.	42	Omura Bay	2.0
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	4.6
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	3.5
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	3.4
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	4.1
Okinawa Pref.	47	Naha Port	2.3

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 43/47 (Missing value : 0)
Detection Frequency (sample) : 43/47 (Missing value : 0)
Detection limit : 30
Quantification limit : 80

	Aggregated value
Geometric mean	230
Median	250
Maximum	4,100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(60)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(50)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(60)
Akita Pref.	4	Lake Hachiro	240
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	290
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	570
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1,700
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	840
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1,100
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	920
	12	Mouth of Riv. Sumida (Minato Ward)	1,200
Yokohama City	13	Yokohama Port	740
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	590
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	190
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	140
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1,500
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	280
Nagano Pref.	19	Lake Suwa (center)	370
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	230
Aichi Pref.	21	Nagoya Port	920
Mie Pref.	22	Yokkaichi Port	810
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	460
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4,100
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	1,300
Osaka City	27	Osaka Port	2,300
Hyogo Pref.	28	Offshore of Himeji	100
Kobe City	29	Kobe Port (center)	250
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	160
Okayama Pref.	31	Offshore of Mizushima	260
Hiroshima Pref.	32	Kure Port	160
	33	Hiroshima Bay	370
Yamaguchi Pref.	34	Tokuyama Bay	tr(40)
	35	Offshore of Ube	tr(60)
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	100
Kagawa Pref.	38	Takamatsu Port	830
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	150
Saga Pref.	41	Imari Bay	tr(40)
Nagasaki Pref.	42	Omura Bay	90
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	360
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	80
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	80
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	360
Okinawa Pref.	47	Naha Port	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

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

Monitored year : 2023
Detection Frequency (site) : 47/47 (Missing value : 0)
Detection Frequency (sample) : 47/47 (Missing value : 0)
Detection limit : 30
Quantification limit : 90

	Aggregated value
Geometric mean	990
Median	770
Maximum	11,000
Minimum	140

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	430
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	270
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	400
Akita Pref.	4	Lake Hachiro	2,700
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	710
Fukushima Pref.	6	Onahama Port	450
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	2,200
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	2,200
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3,000
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	2,100
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	2,000
	12	Mouth of Riv. Sumida (Minato Ward)	1,200
Yokohama City	13	Yokohama Port	960
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	850
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	1,000
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	520
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	11,000
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2,000
Nagano Pref.	19	Lake Suwa (center)	730
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	700
Aichi Pref.	21	Nagoya Port	1,300
Mie Pref.	22	Yokkaichi Port	2,100
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	3,100
Kyoto Pref.	24	Miyazu Port	770
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6,800
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	8,100
Osaka City	27	Osaka Port	7,800
Hyogo Pref.	28	Offshore of Himeji	580
Kobe City	29	Kobe Port (center)	960
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.	31	Offshore of Mizushima	700
Hiroshima Pref.	32	Kure Port	430
	33	Hiroshima Bay	420
Yamaguchi Pref.	34	Tokuyama Bay	310
	35	Offshore of Ube	370
	36	Offshore of Hagi	1,100
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	560
Kagawa Pref.	38	Takamatsu Port	2,900
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	300
Kitakyushu City	40	Dokai Bay	750
Saga Pref.	41	Imari Bay	750
Nagasaki Pref.	42	Omura Bay	730
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	900
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	580
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	180
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	440
Okinawa Pref.	47	Naha Port	140

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 38/47 (Missing value : 0)
Detection Frequency (sample) : 38/47 (Missing value : 0)
Detection limit : 30
Quantification limit : 70

	Aggregated value
Geometric mean	110
Median	100
Maximum	2,200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(40)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	160
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	150
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	540
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	2,200
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	310
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	590
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	560
	12	Mouth of Riv. Sumida (Minato Ward)	570
Yokohama City	13	Yokohama Port	340
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	300
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	70
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(40)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1,200
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	70
Nagano Pref.	19	Lake Suwa (center)	180
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	70
Aichi Pref.	21	Nagoya Port	320
Mie Pref.	22	Yokkaichi Port	140
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	250
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	1,400
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	690
Osaka City	27	Osaka Port	920
Hyogo Pref.	28	Offshore of Himeji	tr(40)
Kobe City	29	Kobe Port (center)	110
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	90
Okayama Pref.	31	Offshore of Mizushima	tr(60)
Hiroshima Pref.	32	Kure Port	tr(60)
	33	Hiroshima Bay	150
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	nd
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(40)
Kagawa Pref.	38	Takamatsu Port	540
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	tr(50)
Saga Pref.	41	Imari Bay	nd
Nagasaki Pref.	42	Omura Bay	80
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	420
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(40)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	100
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(60)
Okinawa Pref.	47	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

[26] Methoxychlor /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 0/47 (Missing value : 0)
Detection Frequency (sample) : 0/47 (Missing value : 0)
Detection limit : 30
Quantification limit : 80

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

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

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

[27] Dechlorane pluses /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 39/47 (Missing value : 0)
Detection Frequency (sample) : 39/47 (Missing value : 0)
Detection limit : *1.6
Quantification limit : *3.9

	Aggregated value
Geometric mean	10
Median	8.3
Maximum	1,500
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(2.0)
Akita Pref.	4	Lake Hachiro	9.0
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	4.5
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	66
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	140
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	23
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1,500
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	380
	12	Mouth of Riv. Sumida (Minato Ward)	570
Yokohama City	13	Yokohama Port	5.4
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	8.3
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	400
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	6.5
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	8.5
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.7
Nagano Pref.	19	Lake Suwa (center)	18
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	12
Aichi Pref.	21	Nagoya Port	10
Mie Pref.	22	Yokkaichi Port	29
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	130
Kyoto Pref.	24	Miyazu Port	tr(2.9)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	7.1
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	27	Osaka Port	15
Hyogo Pref.	28	Offshore of Himeji	530
Kobe City	29	Kobe Port (center)	13
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.2
Okayama Pref.	31	Offshore of Mizushima	tr(1.8)
Hiroshima Pref.	32	Kure Port	24
	33	Hiroshima Bay	13
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	5.3
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(3.6)
Kagawa Pref.	38	Takamatsu Port	20
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	tr(1.7)
Kitakyushu City	40	Dokai Bay	9.6
Saga Pref.	41	Imari Bay	4.0
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	210
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(3.0)
Okinawa Pref.	47	Naha Port	5.0

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

[27-1] *anti*-Dechlorane plus /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 44/47 (Missing value : 0)
Detection Frequency (sample) : 44/47 (Missing value : 0)
Detection limit : 0.7
Quantification limit : 1.7

	Aggregated value
Geometric mean	6.8
Median	5.0
Maximum	410
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1.3)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	2.0
Akita Pref.	4	Lake Hachiro	5.2
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(1.0)
Fukushima Pref.	6	Onahama Port	2.8
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	54
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	120
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	18
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	410
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	210
	12	Mouth of Riv. Sumida (Minato Ward)	310
Yokohama City	13	Yokohama Port	4.0
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	5.8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	190
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	4.9
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	6.2
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	3.6
Nagano Pref.	19	Lake Suwa (center)	14
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.8
Aichi Pref.	21	Nagoya Port	5.0
Mie Pref.	22	Yokkaichi Port	17
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	50
Kyoto Pref.	24	Miyazu Port	tr(1.4)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	5.4
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	9.2
Osaka City	27	Osaka Port	12
Hyogo Pref.	28	Offshore of Himeji	290
Kobe City	29	Kobe Port (center)	4.8
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.0
Okayama Pref.	31	Offshore of Mizushima	1.8
Hiroshima Pref.	32	Kure Port	17
	33	Hiroshima Bay	6.5
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	3.0
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	2.3
Kagawa Pref.	38	Takamatsu Port	14
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	1.7
Kitakyushu City	40	Dokai Bay	6.0
Saga Pref.	41	Imari Bay	2.7
Nagasaki Pref.	42	Omura Bay	tr(1.1)
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	63
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(1.3)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(1.1)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	2.0
Okinawa Pref.	47	Naha Port	3.8

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

[27-2] *syn* -Dechlorane plus /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 36/47 (Missing value : 0)
Detection Frequency (sample) : 36/47 (Missing value : 0)
Detection limit : 0.9
Quantification limit : 2.2

	Aggregated value
Geometric mean	3.8
Median	2.3
Maximum	1,100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	3.8
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(1.7)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	12
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	24
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	5.1
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1,100
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	170
	12	Mouth of Riv. Sumida (Minato Ward)	260
Yokohama City	13	Yokohama Port	tr(1.4)
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2.5
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	210
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(1.6)
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	2.3
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(2.1)
Nagano Pref.	19	Lake Suwa (center)	4.4
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.4
Aichi Pref.	21	Nagoya Port	5.5
Mie Pref.	22	Yokkaichi Port	12
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	78
Kyoto Pref.	24	Miyazu Port	tr(1.5)
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1.7)
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	tr(2.0)
Osaka City	27	Osaka Port	3.1
Hyogo Pref.	28	Offshore of Himeji	240
Kobe City	29	Kobe Port (center)	7.9
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(1.2)
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	7.5
	33	Hiroshima Bay	6.7
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	2.3
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(1.3)
Kagawa Pref.	38	Takamatsu Port	5.9
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	3.6
Saga Pref.	41	Imari Bay	tr(1.3)
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	150
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(1.0)
Okinawa Pref.	47	Naha Port	tr(1.2)

(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

[28] UV-328 /surface water (pg/L)

Monitored year : 2023
Detection Frequency (site) : 36/47 (Missing value : 0)
Detection Frequency (sample) : 36/47 (Missing value : 0)
Detection limit : 20
Quantification limit : 60

	Aggregated value
Geometric mean	tr(50)
Median	tr(40)
Maximum	540
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(30)
Iwate Pref.	2	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(50)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(30)
Fukushima Pref.	6	Onahama Port	tr(20)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	60
Tochigi Pref.	8	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	220
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	150
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	180
Tokyo Met.	11	Mouth of Riv. Arakawa (Koto Ward)	200
	12	Mouth of Riv. Sumida (Minato Ward)	90
Yokohama City	13	Yokohama Port	60
Kawasaki City	14	Front of Ougi Town, Keihin Canal, Port of Kawasaki	tr(30)
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	60
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	120
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	110
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(30)
Nagano Pref.	19	Lake Suwa (center)	tr(40)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	250
Aichi Pref.	21	Nagoya Port	200
Mie Pref.	22	Yokkaichi Port	130
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	130
Kyoto Pref.	24	Miyazu Port	nd
Kyoto City	25	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	140
Osaka Pref.	26	Mouth of Riv. Yamato (Sakai City)	140
Osaka City	27	Osaka Port	120
Hyogo Pref.	28	Offshore of Himeji	tr(30)
Kobe City	29	Kobe Port (center)	tr(30)
Wakayama Pref.	30	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	31	Offshore of Mizushima	nd
Hiroshima Pref.	32	Kure Port	nd
	33	Hiroshima Bay	tr(50)
Yamaguchi Pref.	34	Tokuyama Bay	nd
	35	Offshore of Ube	nd
	36	Offshore of Hagi	60
Tokushima Pref.	37	Mouth of Riv. Yoshino (Tokushima City)	tr(30)
Kagawa Pref.	38	Takamatsu Port	540
Kochi Pref.	39	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	40	Dokai Bay	nd
Saga Pref.	41	Imari Bay	200
Nagasaki Pref.	42	Omura Bay	nd
Kumamoto Pref.	43	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(30)
Miyazaki Pref.	44	Mouth of Riv. Oyodo (Miyazaki City)	tr(30)
Kagoshima Pref.	45	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(40)
	46	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	190
Okinawa Pref.	47	Naha Port	tr(30)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : *3
Quantification limit : *8

	Aggregated value
Geometric mean	4,200
Median	4,900
Maximum	300,000
Minimum	14

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	610
	2	Tomakomai Port	7,800
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	86
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2,500
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	96
Akita Pref.	6	Lake Hachiro	1,800
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	190
Fukushima Pref.	8	Onahama Port	22,000
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1,800
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	150
Chiba Pref.	11	Coast of Ichihara and Anegasaki	20,000
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	35,000
	13	Mouth of Riv. Sumida (Minato Ward)	240,000
Yokohama City	14	Yokohama Port	72,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	16,000
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	140,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	540
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	840
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	4,200
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,500
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	210
Nagano Pref.	22	Lake Suwa (center)	3,800
Shizuoka Pref.	23	Shimizu Port	9,400
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	270
Aichi Pref.	25	Kinuura Port	15,000
	26	Nagoya Port	84,000
Mie Pref.	27	Yokkaichi Port	21,000
	28	Toba Port	9,100
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	5,000
	30	Lake Biwa (center, offshore of Karasaki)	32,000
Kyoto Pref.	31	Miyazu Port	1,400
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	3,300
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1,500
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	33,000
	35	Mouth of Riv. Yodo (Osaka City)	41,000
	36	Osaka Port	270,000
	37	Outside Osaka Port	140,000
Hyogo Pref.	38	Offshore of Himeji	9,400
Kobe City	39	Kobe Port (center)	170,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	580
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.	42	Offshore of Mizushima	1,200
Hiroshima Pref.	43	Kure Port	110,000
	44	Hiroshima Bay	12,000
Yamaguchi Pref.	45	Tokuyama Bay	6,100
	46	Offshore of Ube	3,000
	47	Offshore of Hagi	560
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	760
Kagawa Pref.	49	Takamatsu Port	35,000
Ehime Pref.	50	Niihama Port	4,800
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	720
Kitakyushu City	52	Dokai Bay	300,000
Fukuoka City	53	Hakata Bay	6,000
Saga Pref.	54	Imari Bay	5,400
Nagasaki Pref.	55	Omura Bay	5,800
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	410
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	19
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	14
	59	Riv. Gotanda (Ichikikushikino City)	37
Okinawa Pref.	60	Naha Port	73,000

(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 : 2023
Detection Frequency (site) : 54/60 (Missing value : 0)
Detection Frequency (sample) : 54/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.4

	Aggregated value
Geometric mean	18
Median	34
Maximum	830
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.4
	2	Tomakomai Port	47
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	41
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	7.3
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.4
Fukushima Pref.	8	Onahama Port	250
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	14
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.3)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	50
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	200
	13	Mouth of Riv. Sumida (Minato Ward)	650
Yokohama City	14	Yokohama Port	340
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	23
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	830
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	2.0
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	210
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	6.1
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	44
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.1
Nagano Pref.	22	Lake Suwa (center)	25
Shizuoka Pref.	23	Shimizu Port	45
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.4
Aichi Pref.	25	Kinuura Port	43
	26	Nagoya Port	300
Mie Pref.	27	Yokkaichi Port	110
	28	Toba Port	34
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	26
	30	Lake Biwa (center, offshore of Karasaki)	95
Kyoto Pref.	31	Miyazu Port	12
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	19
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	2.3
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	77
	35	Mouth of Riv. Yodo (Osaka City)	86
	36	Osaka Port	610
	37	Outside Osaka Port	640
Hyogo Pref.	38	Offshore of Himeji	85
Kobe City	39	Kobe Port (center)	190
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	55
Okayama Pref.	42	Offshore of Mizushima	17
Hiroshima Pref.	43	Kure Port	92
	44	Hiroshima Bay	49
Yamaguchi Pref.	45	Tokuyama Bay	30
	46	Offshore of Ube	18
	47	Offshore of Hagi	3.0
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	3.2
Kagawa Pref.	49	Takamatsu Port	59
Ehime Pref.	50	Niihama Port	37
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	4.8
Kitakyushu City	52	Dokai Bay	680
Fukuoka City	53	Hakata Bay	34
Saga Pref.	54	Imari Bay	31
Nagasaki Pref.	55	Omura Bay	44
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	3.1
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	140

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.1

	Aggregated value
Geometric mean	190
Median	300
Maximum	9,000
Minimum	tr(1.0)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	48
	2	Tomakomai Port	1,400
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.7
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	250
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	3.2
Akita Pref.	6	Lake Hachiro	32
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	6.6
Fukushima Pref.	8	Onahama Port	3,200
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	83
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	14
Chiba Pref.	11	Coast of Ichihara and Anegasaki	610
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,700
	13	Mouth of Riv. Sumida (Minato Ward)	7,600
Yokohama City	14	Yokohama Port	1,800
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	530
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	3,100
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	17
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	35
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	120
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	92
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	30
Nagano Pref.	22	Lake Suwa (center)	93
Shizuoka Pref.	23	Shimizu Port	710
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	16
Aichi Pref.	25	Kinuura Port	490
	26	Nagoya Port	5,300
Mie Pref.	27	Yokkaichi Port	1,200
	28	Toba Port	430
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	120
	30	Lake Biwa (center, offshore of Karasaki)	1,200
Kyoto Pref.	31	Miyazu Port	99
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	370
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	65
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,000
	35	Mouth of Riv. Yodo (Osaka City)	1,400
	36	Osaka Port	9,000
	37	Outside Osaka Port	8,300
Hyogo Pref.	38	Offshore of Himeji	760
Kobe City	39	Kobe Port (center)	2,500
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	9.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	340
Okayama Pref.	42	Offshore of Mizushima	130
Hiroshima Pref.	43	Kure Port	1,100
	44	Hiroshima Bay	590
Yamaguchi Pref.	45	Tokuyama Bay	160
	46	Offshore of Ube	170
	47	Offshore of Hagi	23
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	34
Kagawa Pref.	49	Takamatsu Port	1,400
Ehime Pref.	50	Niihama Port	300
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	30
Kitakyushu City	52	Dokai Bay	6,100
Fukuoka City	53	Hakata Bay	400
Saga Pref.	54	Imari Bay	300
Nagasaki Pref.	55	Omura Bay	420
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	27
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	2.1
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(1.0)
	59	Riv. Gotanda (Ichikikushikino City)	1.6
Okinawa Pref.	60	Naha Port	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.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	590
Median	820
Maximum	56,000
Minimum	1.1

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	140
	2	Tomakomai Port	900
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	3.9
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	300
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	10
Akita Pref.	6	Lake Hachiro	140
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	17
Fukushima Pref.	8	Onahama Port	5,900
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	300
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	53
Chiba Pref.	11	Coast of Ichihara and Anegasaki	3,200
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	8,900
	13	Mouth of Riv. Sumida (Minato Ward)	46,000
Yokohama City	14	Yokohama Port	8,800
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	3,300
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	19,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	63
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	100
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	930
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	410
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	22
Nagano Pref.	22	Lake Suwa (center)	380
Shizuoka Pref.	23	Shimizu Port	2,600
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	44
Aichi Pref.	25	Kinuura Port	2,000
	26	Nagoya Port	25,000
Mie Pref.	27	Yokkaichi Port	5,000
	28	Toba Port	1,500
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	500
	30	Lake Biwa (center, offshore of Karasaki)	4,700
Kyoto Pref.	31	Miyazu Port	210
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	970
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	230
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,900
	35	Mouth of Riv. Yodo (Osaka City)	7,800
	36	Osaka Port	56,000
	37	Outside Osaka Port	34,000
Hyogo Pref.	38	Offshore of Himeji	2,000
Kobe City	39	Kobe Port (center)	10,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	49
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	170
Okayama Pref.	42	Offshore of Mizushima	230
Hiroshima Pref.	43	Kure Port	4,600
	44	Hiroshima Bay	1,200
Yamaguchi Pref.	45	Tokuyama Bay	350
	46	Offshore of Ube	510
	47	Offshore of Hagi	54
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	91
Kagawa Pref.	49	Takamatsu Port	11,000
Ehime Pref.	50	Niihama Port	890
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	81
Kitakyushu City	52	Dokai Bay	51,000
Fukuoka City	53	Hakata Bay	1,200
Saga Pref.	54	Imari Bay	770
Nagasaki Pref.	55	Omura Bay	880
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	76
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	2.6
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.1
	59	Riv. Gotanda (Ichikikushikino City)	1.5
Okinawa Pref.	60	Naha Port	3,500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	890
Median	980
Maximum	120,000
Minimum	2.4

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	150
	2	Tomakomai Port	1,900
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	17
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	440
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	12
Akita Pref.	6	Lake Hachiro	310
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	38
Fukushima Pref.	8	Onahama Port	6,000
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	500
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	49
Chiba Pref.	11	Coast of Ichihara and Anegasaki	5,900
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	13,000
	13	Mouth of Riv. Sumida (Minato Ward)	95,000
Yokohama City	14	Yokohama Port	16,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	4,600
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	36,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	130
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	180
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	1,200
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	750
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	40
Nagano Pref.	22	Lake Suwa (center)	750
Shizuoka Pref.	23	Shimizu Port	2,800
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	47
Aichi Pref.	25	Kinuura Port	3,000
	26	Nagoya Port	30,000
Mie Pref.	27	Yokkaichi Port	6,300
	28	Toba Port	1,000
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	1,100
	30	Lake Biwa (center, offshore of Karasaki)	6,400
Kyoto Pref.	31	Miyazu Port	240
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	770
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	330
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8,100
	35	Mouth of Riv. Yodo (Osaka City)	11,000
	36	Osaka Port	87,000
	37	Outside Osaka Port	43,000
Hyogo Pref.	38	Offshore of Himeji	2,300
Kobe City	39	Kobe Port (center)	19,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	160
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	270
Okayama Pref.	42	Offshore of Mizushima	190
Hiroshima Pref.	43	Kure Port	10,000
	44	Hiroshima Bay	1,800
Yamaguchi Pref.	45	Tokuyama Bay	400
	46	Offshore of Ube	760
	47	Offshore of Hagi	67
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	150
Kagawa Pref.	49	Takamatsu Port	12,000
Ehime Pref.	50	Niihama Port	1,200
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	100
Kitakyushu City	52	Dokai Bay	120,000
Fukuoka City	53	Hakata Bay	1,700
Saga Pref.	54	Imari Bay	970
Nagasaki Pref.	55	Omura Bay	1,100
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	90
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	4.7
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	2.4
	59	Riv. Gotanda (Ichikikushikino City)	4.5
Okinawa Pref.	60	Naha Port	7,500

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 58/60 (Missing value : 0)
Detection Frequency (sample) : 58/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	20
Median	24
Maximum	2,700
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.7
	2	Tomakomai Port	30
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.4)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	11
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.3)
Akita Pref.	6	Lake Hachiro	9.8
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	0.8
Fukushima Pref.	8	Onahama Port	110
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	14
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	130
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	400
	13	Mouth of Riv. Sumida (Minato Ward)	2,700
Yokohama City	14	Yokohama Port	240
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	49
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	560
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	2.8
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	4.1
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	19
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.5
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.2
Nagano Pref.	22	Lake Suwa (center)	28
Shizuoka Pref.	23	Shimizu Port	72
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.0
Aichi Pref.	25	Kinuura Port	60
	26	Nagoya Port	330
Mie Pref.	27	Yokkaichi Port	110
	28	Toba Port	19
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	38
	30	Lake Biwa (center, offshore of Karasaki)	250
Kyoto Pref.	31	Miyazu Port	6.4
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	16
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	7.0
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	170
	35	Mouth of Riv. Yodo (Osaka City)	200
	36	Osaka Port	1,600
	37	Outside Osaka Port	550
Hyogo Pref.	38	Offshore of Himeji	260
Kobe City	39	Kobe Port (center)	290
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.7
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	42
Okayama Pref.	42	Offshore of Mizushima	4.9
Hiroshima Pref.	43	Kure Port	180
	44	Hiroshima Bay	31
Yamaguchi Pref.	45	Tokuyama Bay	12
	46	Offshore of Ube	13
	47	Offshore of Hagi	2.2
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	3.3
Kagawa Pref.	49	Takamatsu Port	220
Ehime Pref.	50	Niihama Port	27
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	3.1
Kitakyushu City	52	Dokai Bay	1,600
Fukuoka City	53	Hakata Bay	32
Saga Pref.	54	Imari Bay	21
Nagasaki Pref.	55	Omura Bay	28
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2.0
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.3)
Okinawa Pref.	60	Naha Port	79

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(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 : 2023
Detection Frequency (site) : 50/60 (Missing value : 0)
Detection Frequency (sample) : 50/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	2.1
Median	1.8
Maximum	160
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-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.0
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	9.6
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.2
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	8.1
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	12
	13	Mouth of Riv. Sumida (Minato Ward)	87
Yokohama City	14	Yokohama Port	26
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	7.4
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	61
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	tr(0.3)
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.4)
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	1.7
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.4)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	2.3
Shizuoka Pref.	23	Shimizu Port	4.6
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.2)
Aichi Pref.	25	Kinuura Port	4.8
	26	Nagoya Port	26
Mie Pref.	27	Yokkaichi Port	9.9
	28	Toba Port	1.9
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	3.7
	30	Lake Biwa (center, offshore of Karasaki)	24
Kyoto Pref.	31	Miyazu Port	0.6
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1.7
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	0.6
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	16
	35	Mouth of Riv. Yodo (Osaka City)	20
	36	Osaka Port	130
	37	Outside Osaka Port	50
Hyogo Pref.	38	Offshore of Himeji	4.1
Kobe City	39	Kobe Port (center)	51
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.5
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	0.8
Okayama Pref.	42	Offshore of Mizushima	tr(0.4)
Hiroshima Pref.	43	Kure Port	37
	44	Hiroshima Bay	3.4
Yamaguchi Pref.	45	Tokuyama Bay	1.1
	46	Offshore of Ube	1.2
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	0.5
Kagawa Pref.	49	Takamatsu Port	18
Ehime Pref.	50	Niihama Port	2.3
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.5
Kitakyushu City	52	Dokai Bay	160
Fukuoka City	53	Hakata Bay	2.7
Saga Pref.	54	Imari Bay	1.8
Nagasaki Pref.	55	Omura Bay	1.9
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.3)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	22

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	900
Median	900
Maximum	72,000
Minimum	5.3

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	140
	2	Tomakomai Port	1,600
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	38
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	470
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	23
Akita Pref.	6	Lake Hachiro	690
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	74
Fukushima Pref.	8	Onahama Port	3,200
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	450
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	20
Chiba Pref.	11	Coast of Ichihara and Anegasaki	4,700
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	6,500
	13	Mouth of Riv. Sumida (Minato Ward)	52,000
Yokohama City	14	Yokohama Port	15,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	4,200
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	37,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	170
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	160
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	900
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	200
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	60
Nagano Pref.	22	Lake Suwa (center)	1,200
Shizuoka Pref.	23	Shimizu Port	1,300
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	76
Aichi Pref.	25	Kinuura Port	2,900
	26	Nagoya Port	13,000
Mie Pref.	27	Yokkaichi Port	4,300
	28	Toba Port	940
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	1,600
	30	Lake Biwa (center, offshore of Karasaki)	9,900
Kyoto Pref.	31	Miyazu Port	240
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	740
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	370
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	9,600
	35	Mouth of Riv. Yodo (Osaka City)	11,000
	36	Osaka Port	54,000
	37	Outside Osaka Port	28,000
Hyogo Pref.	38	Offshore of Himeji	1,700
Kobe City	39	Kobe Port (center)	27,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	220
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	320
Okayama Pref.	42	Offshore of Mizushima	150
Hiroshima Pref.	43	Kure Port	19,000
	44	Hiroshima Bay	2,200
Yamaguchi Pref.	45	Tokuyama Bay	640
	46	Offshore of Ube	570
	47	Offshore of Hagi	91
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	210
Kagawa Pref.	49	Takamatsu Port	5,500
Ehime Pref.	50	Niihama Port	850
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	200
Kitakyushu City	52	Dokai Bay	72,000
Fukuoka City	53	Hakata Bay	1,300
Saga Pref.	54	Imari Bay	900
Nagasaki Pref.	55	Omura Bay	1,000
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	100
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	6.5
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	5.3
	59	Riv. Gotanda (Ichikikushikino City)	8.6
Okinawa Pref.	60	Naha Port	12,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	57
Median	55
Maximum	5,600
Minimum	0.7

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	9.6
	2	Tomakomai Port	110
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.2
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	31
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.9
Akita Pref.	6	Lake Hachiro	45
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	5.1
Fukushima Pref.	8	Onahama Port	270
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	32
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.8
Chiba Pref.	11	Coast of Ichihara and Anegasaki	310
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	320
	13	Mouth of Riv. Sumida (Minato Ward)	3,000
Yokohama City	14	Yokohama Port	1,100
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	220
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2,900
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	9.9
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	13
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	52
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.5
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	5.1
Nagano Pref.	22	Lake Suwa (center)	68
Shizuoka Pref.	23	Shimizu Port	110
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.4
Aichi Pref.	25	Kinuura Port	170
	26	Nagoya Port	610
Mie Pref.	27	Yokkaichi Port	210
	28	Toba Port	44
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	120
	30	Lake Biwa (center, offshore of Karasaki)	720
Kyoto Pref.	31	Miyazu Port	18
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	34
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	27
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	580
	35	Mouth of Riv. Yodo (Osaka City)	590
	36	Osaka Port	3,400
	37	Outside Osaka Port	1,000
Hyogo Pref.	38	Offshore of Himeji	100
Kobe City	39	Kobe Port (center)	1,200
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	13
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	24
Okayama Pref.	42	Offshore of Mizushima	7.6
Hiroshima Pref.	43	Kure Port	580
	44	Hiroshima Bay	87
Yamaguchi Pref.	45	Tokuyama Bay	24
	46	Offshore of Ube	36
	47	Offshore of Hagi	5.2
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	16
Kagawa Pref.	49	Takamatsu Port	440
Ehime Pref.	50	Niihama Port	58
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	15
Kitakyushu City	52	Dokai Bay	5,600
Fukuoka City	53	Hakata Bay	100
Saga Pref.	54	Imari Bay	74
Nagasaki Pref.	55	Omura Bay	64
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	8.3
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	0.7
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	0.7
	59	Riv. Gotanda (Ichikikushikino City)	1.0
Okinawa Pref.	60	Naha Port	420

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 54/60 (Missing value : 0)
Detection Frequency (sample) : 54/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	3.3
Median	3.1
Maximum	360
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.7
	2	Tomakomai Port	9.3
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	3.1
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.3)
Fukushima Pref.	8	Onahama Port	15
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	2.2
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	9.2
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	15
	13	Mouth of Riv. Sumida (Minato Ward)	150
Yokohama City	14	Yokohama Port	48
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	11
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	160
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	0.6
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	0.7
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	3.1
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.4)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.3)
Nagano Pref.	22	Lake Suwa (center)	3.8
Shizuoka Pref.	23	Shimizu Port	4.4
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.4)
Aichi Pref.	25	Kinuura Port	4.6
	26	Nagoya Port	33
Mie Pref.	27	Yokkaichi Port	14
	28	Toba Port	3.0
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	8.0
	30	Lake Biwa (center, offshore of Karasaki)	43
Kyoto Pref.	31	Miyazu Port	0.8
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2.2
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1.6
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	38
	35	Mouth of Riv. Yodo (Osaka City)	43
	36	Osaka Port	240
	37	Outside Osaka Port	60
Hyogo Pref.	38	Offshore of Himeji	5.2
Kobe City	39	Kobe Port (center)	54
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.8
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.6
Okayama Pref.	42	Offshore of Mizushima	tr(0.4)
Hiroshima Pref.	43	Kure Port	26
	44	Hiroshima Bay	4.2
Yamaguchi Pref.	45	Tokuyama Bay	1.2
	46	Offshore of Ube	1.9
	47	Offshore of Hagi	tr(0.4)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.0
Kagawa Pref.	49	Takamatsu Port	26
Ehime Pref.	50	Niihama Port	3.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.7
Kitakyushu City	52	Dokai Bay	360
Fukuoka City	53	Hakata Bay	5.0
Saga Pref.	54	Imari Bay	4.1
Nagasaki Pref.	55	Omura Bay	2.8
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.4)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	24

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	150
Median	150
Maximum	12,000
Minimum	1.5

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	21
	2	Tomakomai Port	230
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	7.9
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	100
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.5
Akita Pref.	6	Lake Hachiro	120
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	12
Fukushima Pref.	8	Onahama Port	590
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	79
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	3.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	900
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1,200
	13	Mouth of Riv. Sumida (Minato Ward)	8,800
Yokohama City	14	Yokohama Port	2,700
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	750
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	7,800
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	27
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	29
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	150
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	10
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	11
Nagano Pref.	22	Lake Suwa (center)	170
Shizuoka Pref.	23	Shimizu Port	220
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	14
Aichi Pref.	25	Kinuura Port	500
	26	Nagoya Port	1,900
Mie Pref.	27	Yokkaichi Port	840
	28	Toba Port	130
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	290
	30	Lake Biwa (center, offshore of Karasaki)	1,600
Kyoto Pref.	31	Miyazu Port	45
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	120
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	60
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,700
	35	Mouth of Riv. Yodo (Osaka City)	1,800
	36	Osaka Port	9,100
	37	Outside Osaka Port	4,100
Hyogo Pref.	38	Offshore of Himeji	330
Kobe City	39	Kobe Port (center)	4,300
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	35
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	56
Okayama Pref.	42	Offshore of Mizushima	26
Hiroshima Pref.	43	Kure Port	2,300
	44	Hiroshima Bay	330
Yamaguchi Pref.	45	Tokuyama Bay	87
	46	Offshore of Ube	88
	47	Offshore of Hagi	16
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	38
Kagawa Pref.	49	Takamatsu Port	1,000
Ehime Pref.	50	Niihama Port	150
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	36
Kitakyushu City	52	Dokai Bay	12,000
Fukuoka City	53	Hakata Bay	270
Saga Pref.	54	Imari Bay	170
Nagasaki Pref.	55	Omura Bay	210
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	19
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	1.6
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	1.5
	59	Riv. Gotanda (Ichikikushikino City)	1.8
Okinawa Pref.	60	Naha Port	1,400

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 54/60 (Missing value : 0)
Detection Frequency (sample) : 54/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	3.4
Median	3.0
Maximum	290
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	5.6
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.0
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.2
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.3)
Fukushima Pref.	8	Onahama Port	14
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.8
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	12
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	18
	13	Mouth of Riv. Sumida (Minato Ward)	150
Yokohama City	14	Yokohama Port	51
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	11
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	140
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	0.6
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	0.8
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	3.2
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.4)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.3)
Nagano Pref.	22	Lake Suwa (center)	3.7
Shizuoka Pref.	23	Shimizu Port	5.8
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.3)
Aichi Pref.	25	Kinuura Port	5.8
	26	Nagoya Port	38
Mie Pref.	27	Yokkaichi Port	14
	28	Toba Port	2.7
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	6.7
	30	Lake Biwa (center, offshore of Karasaki)	42
Kyoto Pref.	31	Miyazu Port	1.3
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2.4
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1.3
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	34
	35	Mouth of Riv. Yodo (Osaka City)	38
	36	Osaka Port	190
	37	Outside Osaka Port	70
Hyogo Pref.	38	Offshore of Himeji	5.9
Kobe City	39	Kobe Port (center)	60
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.6
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.3
Okayama Pref.	42	Offshore of Mizushima	0.6
Hiroshima Pref.	43	Kure Port	37
	44	Hiroshima Bay	7.1
Yamaguchi Pref.	45	Tokuyama Bay	1.4
	46	Offshore of Ube	2.0
	47	Offshore of Hagi	tr(0.5)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.0
Kagawa Pref.	49	Takamatsu Port	21
Ehime Pref.	50	Niihama Port	2.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.8
Kitakyushu City	52	Dokai Bay	290
Fukuoka City	53	Hakata Bay	6.4
Saga Pref.	54	Imari Bay	4.1
Nagasaki Pref.	55	Omura Bay	4.9
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.5)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	24

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 51/60 (Missing value : 0)
Detection Frequency (sample) : 51/60 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	2.2
Median	2.8
Maximum	72
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	7.5
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.3
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.7
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	18
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	2.6
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	9.3
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	18
	13	Mouth of Riv. Sumida (Minato Ward)	58
Yokohama City	14	Yokohama Port	17
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	3.5
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	41
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	0.8
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	1.8
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.2)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	4.3
Shizuoka Pref.	23	Shimizu Port	3.1
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	25	Kinuura Port	4.6
	26	Nagoya Port	9.4
Mie Pref.	27	Yokkaichi Port	6.7
	28	Toba Port	2.0
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	12
	30	Lake Biwa (center, offshore of Karasaki)	21
Kyoto Pref.	31	Miyazu Port	0.8
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1.3
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1.3
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14
	35	Mouth of Riv. Yodo (Osaka City)	13
	36	Osaka Port	50
	37	Outside Osaka Port	20
Hyogo Pref.	38	Offshore of Himeji	5.7
Kobe City	39	Kobe Port (center)	21
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.3)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	0.9
Okayama Pref.	42	Offshore of Mizushima	tr(0.4)
Hiroshima Pref.	43	Kure Port	22
	44	Hiroshima Bay	4.2
Yamaguchi Pref.	45	Tokuyama Bay	9.2
	46	Offshore of Ube	4.0
	47	Offshore of Hagi	tr(0.3)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.0
Kagawa Pref.	49	Takamatsu Port	8.8
Ehime Pref.	50	Niihama Port	1.3
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	0.7
Kitakyushu City	52	Dokai Bay	72
Fukuoka City	53	Hakata Bay	2.9
Saga Pref.	54	Imari Bay	2.8
Nagasaki Pref.	55	Omura Bay	2.9
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.4)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	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

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	760
Median	900
Maximum	51,000
Minimum	3.0

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	96
	2	Tomakomai Port	1,200
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	23
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	560
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	30
Akita Pref.	6	Lake Hachiro	490
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	45
Fukushima Pref.	8	Onahama Port	2,200
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	330
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	12
Chiba Pref.	11	Coast of Ichihara and Anegasaki	3,700
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	3,900
	13	Mouth of Riv. Sumida (Minato Ward)	26,000
Yokohama City	14	Yokohama Port	17,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	2,400
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	29,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	110
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	110
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	680
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	27
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	45
Nagano Pref.	22	Lake Suwa (center)	930
Shizuoka Pref.	23	Shimizu Port	1,200
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	65
Aichi Pref.	25	Kinuura Port	3,900
	26	Nagoya Port	6,800
Mie Pref.	27	Yokkaichi Port	2,800
	28	Toba Port	2,200
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	1,200
	30	Lake Biwa (center, offshore of Karasaki)	7,800
Kyoto Pref.	31	Miyazu Port	350
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	410
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	330
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7,000
	35	Mouth of Riv. Yodo (Osaka City)	7,300
	36	Osaka Port	39,000
	37	Outside Osaka Port	19,000
Hyogo Pref.	38	Offshore of Himeji	1,700
Kobe City	39	Kobe Port (center)	51,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	110
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	260
Okayama Pref.	42	Offshore of Mizushima	250
Hiroshima Pref.	43	Kure Port	31,000
	44	Hiroshima Bay	3,400
Yamaguchi Pref.	45	Tokuyama Bay	1,800
	46	Offshore of Ube	590
	47	Offshore of Hagi	150
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	190
Kagawa Pref.	49	Takamatsu Port	3,400
Ehime Pref.	50	Niihama Port	780
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	190
Kitakyushu City	52	Dokai Bay	29,000
Fukuoka City	53	Hakata Bay	880
Saga Pref.	54	Imari Bay	1,300
Nagasaki Pref.	55	Omura Bay	1,300
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	82
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	3.0
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	3.5
	59	Riv. Gotanda (Ichikikushikino City)	14
Okinawa Pref.	60	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 : 2023
Detection Frequency (site) : 58/60 (Missing value : 0)
Detection Frequency (sample) : 58/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	20
Median	22
Maximum	1,100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.0
	2	Tomakomai Port	29
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	11
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.8)
Akita Pref.	6	Lake Hachiro	16
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.6
Fukushima Pref.	8	Onahama Port	71
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	10
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.6)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	64
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	96
	13	Mouth of Riv. Sumida (Minato Ward)	710
Yokohama City	14	Yokohama Port	360
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	77
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	900
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	3.0
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.7
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	19
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.8)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.7
Nagano Pref.	22	Lake Suwa (center)	24
Shizuoka Pref.	23	Shimizu Port	30
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.5
Aichi Pref.	25	Kinuura Port	55
	26	Nagoya Port	140
Mie Pref.	27	Yokkaichi Port	70
	28	Toba Port	32
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	39
	30	Lake Biwa (center, offshore of Karasaki)	300
Kyoto Pref.	31	Miyazu Port	7.6
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	11
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	8.0
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	230
	35	Mouth of Riv. Yodo (Osaka City)	240
	36	Osaka Port	1,100
	37	Outside Osaka Port	450
Hyogo Pref.	38	Offshore of Himeji	40
Kobe City	39	Kobe Port (center)	810
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3.4
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	8.8
Okayama Pref.	42	Offshore of Mizushima	3.5
Hiroshima Pref.	43	Kure Port	450
	44	Hiroshima Bay	45
Yamaguchi Pref.	45	Tokuyama Bay	22
	46	Offshore of Ube	8.9
	47	Offshore of Hagi	2.8
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	5.4
Kagawa Pref.	49	Takamatsu Port	120
Ehime Pref.	50	Niihama Port	19
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	5.3
Kitakyushu City	52	Dokai Bay	850
Fukuoka City	53	Hakata Bay	21
Saga Pref.	54	Imari Bay	29
Nagasaki Pref.	55	Omura Bay	24
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	2.9
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.5)
Okinawa Pref.	60	Naha Port	380

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 53/60 (Missing value : 0)
Detection Frequency (sample) : 53/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	5.5
Median	5.4
Maximum	240
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.9
	2	Tomakomai Port	7.0
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	3.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	4.4
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.5)
Fukushima Pref.	8	Onahama Port	17
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3.0
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	20
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	24
	13	Mouth of Riv. Sumida (Minato Ward)	180
Yokohama City	14	Yokohama Port	84
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	20
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	230
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	0.9
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	5.0
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.6)
Nagano Pref.	22	Lake Suwa (center)	6.8
Shizuoka Pref.	23	Shimizu Port	8.0
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.7)
Aichi Pref.	25	Kinuura Port	12
	26	Nagoya Port	37
Mie Pref.	27	Yokkaichi Port	19
	28	Toba Port	7.1
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	10
	30	Lake Biwa (center, offshore of Karasaki)	65
Kyoto Pref.	31	Miyazu Port	2.1
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2.9
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	2.4
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	57
	35	Mouth of Riv. Yodo (Osaka City)	61
	36	Osaka Port	240
	37	Outside Osaka Port	130
Hyogo Pref.	38	Offshore of Himeji	11
Kobe City	39	Kobe Port (center)	140
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.9
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.4
Okayama Pref.	42	Offshore of Mizushima	tr(0.8)
Hiroshima Pref.	43	Kure Port	110
	44	Hiroshima Bay	13
Yamaguchi Pref.	45	Tokuyama Bay	4.9
	46	Offshore of Ube	2.2
	47	Offshore of Hagi	tr(0.7)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.7
Kagawa Pref.	49	Takamatsu Port	29
Ehime Pref.	50	Niihama Port	4.7
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.6
Kitakyushu City	52	Dokai Bay	210
Fukuoka City	53	Hakata Bay	5.9
Saga Pref.	54	Imari Bay	6.1
Nagasaki Pref.	55	Omura Bay	5.9
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	0.9
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	63

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(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 : 2023
Detection Frequency (site) : 55/60 (Missing value : 0)
Detection Frequency (sample) : 55/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	9.8
Median	11
Maximum	480
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.2
	2	Tomakomai Port	13
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	7.2
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.5)
Akita Pref.	6	Lake Hachiro	7.3
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.7)
Fukushima Pref.	8	Onahama Port	30
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4.7
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	39
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	42
	13	Mouth of Riv. Sumida (Minato Ward)	310
Yokohama City	14	Yokohama Port	190
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	32
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	420
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	1.6
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.8
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	9.2
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.4)
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(0.7)
Nagano Pref.	22	Lake Suwa (center)	11
Shizuoka Pref.	23	Shimizu Port	13
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	1.2
Aichi Pref.	25	Kinuura Port	33
	26	Nagoya Port	69
Mie Pref.	27	Yokkaichi Port	33
	28	Toba Port	18
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	17
	30	Lake Biwa (center, offshore of Karasaki)	97
Kyoto Pref.	31	Miyazu Port	4.0
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	5.1
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	3.9
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	99
	35	Mouth of Riv. Yodo (Osaka City)	100
	36	Osaka Port	480
	37	Outside Osaka Port	200
Hyogo Pref.	38	Offshore of Himeji	20
Kobe City	39	Kobe Port (center)	480
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.6
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.8
Okayama Pref.	42	Offshore of Mizushima	2.1
Hiroshima Pref.	43	Kure Port	260
	44	Hiroshima Bay	28
Yamaguchi Pref.	45	Tokuyama Bay	14
	46	Offshore of Ube	5.2
	47	Offshore of Hagi	1.7
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	2.8
Kagawa Pref.	49	Takamatsu Port	50
Ehime Pref.	50	Niihama Port	8.8
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	2.5
Kitakyushu City	52	Dokai Bay	350
Fukuoka City	53	Hakata Bay	11
Saga Pref.	54	Imari Bay	15
Nagasaki Pref.	55	Omura Bay	15
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	1.4
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	210

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 39/60 (Missing value : 0)
Detection Frequency (sample) : 39/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	1.0
Median	tr(0.8)
Maximum	40
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	0.9
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(0.8)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	tr(0.7)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	2.2
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.5)
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2.6
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	2.2
	13	Mouth of Riv. Sumida (Minato Ward)	12
Yokohama City	14	Yokohama Port	16
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	1.0
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	19
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	tr(0.6)
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	1.8
Shizuoka Pref.	23	Shimizu Port	tr(0.8)
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	25	Kinuura Port	2.6
	26	Nagoya Port	3.0
Mie Pref.	27	Yokkaichi Port	1.9
	28	Toba Port	2.4
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	2.7
	30	Lake Biwa (center, offshore of Karasaki)	3.1
Kyoto Pref.	31	Miyazu Port	nd
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	3.3
	35	Mouth of Riv. Yodo (Osaka City)	3.3
	36	Osaka Port	19
	37	Outside Osaka Port	9.8
Hyogo Pref.	38	Offshore of Himeji	1.7
Kobe City	39	Kobe Port (center)	40
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	42	Offshore of Mizushima	tr(0.5)
Hiroshima Pref.	43	Kure Port	39
	44	Hiroshima Bay	2.5
Yamaguchi Pref.	45	Tokuyama Bay	2.0
	46	Offshore of Ube	tr(0.5)
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	49	Takamatsu Port	2.6
Ehime Pref.	50	Niihama Port	tr(0.7)
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City	52	Dokai Bay	9.7
Fukuoka City	53	Hakata Bay	tr(0.8)
Saga Pref.	54	Imari Bay	1.5
Nagasaki Pref.	55	Omura Bay	1.4
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	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

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	280
Median	340
Maximum	45,000
Minimum	tr(0.3)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	24
	2	Tomakomai Port	620
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	2.5
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	300
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	16
Akita Pref.	6	Lake Hachiro	100
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	6.0
Fukushima Pref.	8	Onahama Port	890
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	82
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,600
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	930
	13	Mouth of Riv. Sumida (Minato Ward)	7,000
Yokohama City	14	Yokohama Port	10,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	550
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	12,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	38
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	37
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	290
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	6.0
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	9.6
Nagano Pref.	22	Lake Suwa (center)	290
Shizuoka Pref.	23	Shimizu Port	650
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	16
Aichi Pref.	25	Kinuura Port	2,400
	26	Nagoya Port	2,800
Mie Pref.	27	Yokkaichi Port	970
	28	Toba Port	2,300
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	340
	30	Lake Biwa (center, offshore of Karasaki)	1,400
Kyoto Pref.	31	Miyazu Port	180
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	55
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	150
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,800
	35	Mouth of Riv. Yodo (Osaka City)	1,800
	36	Osaka Port	16,000
	37	Outside Osaka Port	7,300
Hyogo Pref.	38	Offshore of Himeji	700
Kobe City	39	Kobe Port (center)	45,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	24
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	84
Okayama Pref.	42	Offshore of Mizushima	190
Hiroshima Pref.	43	Kure Port	30,000
	44	Hiroshima Bay	1,900
Yamaguchi Pref.	45	Tokuyama Bay	2,100
	46	Offshore of Ube	340
	47	Offshore of Hagi	130
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	64
Kagawa Pref.	49	Takamatsu Port	1,200
Ehime Pref.	50	Niihama Port	340
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	90
Kitakyushu City	52	Dokai Bay	12,000
Fukuoka City	53	Hakata Bay	350
Saga Pref.	54	Imari Bay	890
Nagasaki Pref.	55	Omura Bay	770
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	30
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.3)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(0.4)
	59	Riv. Gotanda (Ichikikushikino City)	6.3
Okinawa Pref.	60	Naha Port	19,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 58/60 (Missing value : 0)
Detection Frequency (sample) : 58/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	37
Median	38
Maximum	4,600
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.2
	2	Tomakomai Port	66
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.6)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	30
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2.1
Akita Pref.	6	Lake Hachiro	16
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.1
Fukushima Pref.	8	Onahama Port	110
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	12
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(0.5)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	180
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	120
	13	Mouth of Riv. Sumida (Minato Ward)	930
Yokohama City	14	Yokohama Port	1,100
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	83
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,500
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	4.6
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.0
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	36
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.3
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.8
Nagano Pref.	22	Lake Suwa (center)	39
Shizuoka Pref.	23	Shimizu Port	76
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.9
Aichi Pref.	25	Kinuura Port	290
	26	Nagoya Port	320
Mie Pref.	27	Yokkaichi Port	120
	28	Toba Port	230
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	49
	30	Lake Biwa (center, offshore of Karasaki)	240
Kyoto Pref.	31	Miyazu Port	19
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	8.5
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	19
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	270
	35	Mouth of Riv. Yodo (Osaka City)	280
	36	Osaka Port	1,900
	37	Outside Osaka Port	860
Hyogo Pref.	38	Offshore of Himeji	74
Kobe City	39	Kobe Port (center)	4,600
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	3.5
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	11
Okayama Pref.	42	Offshore of Mizushima	16
Hiroshima Pref.	43	Kure Port	3,100
	44	Hiroshima Bay	170
Yamaguchi Pref.	45	Tokuyama Bay	190
	46	Offshore of Ube	33
	47	Offshore of Hagi	13
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	7.9
Kagawa Pref.	49	Takamatsu Port	160
Ehime Pref.	50	Niihama Port	33
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	11
Kitakyushu City	52	Dokai Bay	1,200
Fukuoka City	53	Hakata Bay	38
Saga Pref.	54	Imari Bay	94
Nagasaki Pref.	55	Omura Bay	74
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	4.1
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	0.8
Okinawa Pref.	60	Naha Port	2,200

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	81
Median	85
Maximum	12,000
Minimum	tr(0.3)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6.8
	2	Tomakomai Port	170
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	1.1
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	74
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	5.0
Akita Pref.	6	Lake Hachiro	28
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	260
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	21
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	1.0
Chiba Pref.	11	Coast of Ichihara and Anegasaki	420
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	240
	13	Mouth of Riv. Sumida (Minato Ward)	2,000
Yokohama City	14	Yokohama Port	3,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	150
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	3,500
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	11
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	11
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	78
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.1
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	3.0
Nagano Pref.	22	Lake Suwa (center)	75
Shizuoka Pref.	23	Shimizu Port	180
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5.0
Aichi Pref.	25	Kinuura Port	670
	26	Nagoya Port	750
Mie Pref.	27	Yokkaichi Port	280
	28	Toba Port	700
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	84
	30	Lake Biwa (center, offshore of Karasaki)	350
Kyoto Pref.	31	Miyazu Port	39
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	14
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	41
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	520
	35	Mouth of Riv. Yodo (Osaka City)	500
	36	Osaka Port	4,500
	37	Outside Osaka Port	2,000
Hyogo Pref.	38	Offshore of Himeji	160
Kobe City	39	Kobe Port (center)	12,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6.3
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	25
Okayama Pref.	42	Offshore of Mizushima	48
Hiroshima Pref.	43	Kure Port	8,700
	44	Hiroshima Bay	420
Yamaguchi Pref.	45	Tokuyama Bay	560
	46	Offshore of Ube	86
	47	Offshore of Hagi	32
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	16
Kagawa Pref.	49	Takamatsu Port	340
Ehime Pref.	50	Niihama Port	74
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	52	Dokai Bay	3,200
Fukuoka City	53	Hakata Bay	89
Saga Pref.	54	Imari Bay	240
Nagasaki Pref.	55	Omura Bay	190
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	8.9
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.3)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	tr(0.4)
	59	Riv. Gotanda (Ichikikushikino City)	1.9
Okinawa Pref.	60	Naha Port	5,800

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 51/60 (Missing value : 0)
Detection Frequency (sample) : 51/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	2.7
Median	2.4
Maximum	180
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.3)
	2	Tomakomai Port	2.6
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.7
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.3
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	6.1
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.0
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	7.9
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	7.4
	13	Mouth of Riv. Sumida (Minato Ward)	52
Yokohama City	14	Yokohama Port	49
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	4.9
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	80
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.6)
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	1.9
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	2.8
Shizuoka Pref.	23	Shimizu Port	3.8
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.3)
Aichi Pref.	25	Kinuura Port	11
	26	Nagoya Port	15
Mie Pref.	27	Yokkaichi Port	6.8
	28	Toba Port	8.3
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	5.2
	30	Lake Biwa (center, offshore of Karasaki)	19
Kyoto Pref.	31	Miyazu Port	1.3
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(0.7)
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1.0
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	15
	35	Mouth of Riv. Yodo (Osaka City)	16
	36	Osaka Port	90
	37	Outside Osaka Port	60
Hyogo Pref.	38	Offshore of Himeji	5.4
Kobe City	39	Kobe Port (center)	180
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.3)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	0.8
Okayama Pref.	42	Offshore of Mizushima	1.0
Hiroshima Pref.	43	Kure Port	120
	44	Hiroshima Bay	8.6
Yamaguchi Pref.	45	Tokuyama Bay	7.0
	46	Offshore of Ube	1.7
	47	Offshore of Hagi	tr(0.7)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	tr(0.6)
Kagawa Pref.	49	Takamatsu Port	9.7
Ehime Pref.	50	Niihama Port	1.9
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	tr(0.7)
Kitakyushu City	52	Dokai Bay	61
Fukuoka City	53	Hakata Bay	2.3
Saga Pref.	54	Imari Bay	4.5
Nagasaki Pref.	55	Omura Bay	4.4
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.3)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	87

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 54/60 (Missing value : 0)
Detection Frequency (sample) : 54/60 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	48
Median	76
Maximum	13,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	3.5
	2	Tomakomai Port	130
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	71
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2.0
Akita Pref.	6	Lake Hachiro	16
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	180
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	17
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	300
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	160
	13	Mouth of Riv. Sumida (Minato Ward)	1,100
Yokohama City	14	Yokohama Port	2,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	82
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	2,200
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	7.2
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7.6
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	54
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	0.8
Nagano Pref.	22	Lake Suwa (center)	53
Shizuoka Pref.	23	Shimizu Port	120
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.0
Aichi Pref.	25	Kinuura Port	380
	26	Nagoya Port	520
Mie Pref.	27	Yokkaichi Port	220
	28	Toba Port	590
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	80
	30	Lake Biwa (center, offshore of Karasaki)	140
Kyoto Pref.	31	Miyazu Port	48
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	4.7
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	31
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	280
	35	Mouth of Riv. Yodo (Osaka City)	280
	36	Osaka Port	3,400
	37	Outside Osaka Port	1,400
Hyogo Pref.	38	Offshore of Himeji	140
Kobe City	39	Kobe Port (center)	13,000
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.9
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	13
Okayama Pref.	42	Offshore of Mizushima	46
Hiroshima Pref.	43	Kure Port	7,900
	44	Hiroshima Bay	430
Yamaguchi Pref.	45	Tokuyama Bay	530
	46	Offshore of Ube	68
	47	Offshore of Hagi	40
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	12
Kagawa Pref.	49	Takamatsu Port	200
Ehime Pref.	50	Niihama Port	82
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	19
Kitakyushu City	52	Dokai Bay	2,200
Fukuoka City	53	Hakata Bay	71
Saga Pref.	54	Imari Bay	180
Nagasaki Pref.	55	Omura Bay	190
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	4.7
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(0.6)
Okinawa Pref.	60	Naha Port	4,100

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 48/60 (Missing value : 0)
Detection Frequency (sample) : 48/60 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	8.4
Median	12
Maximum	890
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	10
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	13
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	5.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	37
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	6.2
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	33
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	33
	13	Mouth of Riv. Sumida (Minato Ward)	200
Yokohama City	14	Yokohama Port	260
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	12
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	280
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	tr(1.0)
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.6
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	5.8
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	15
Shizuoka Pref.	23	Shimizu Port	13
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	25	Kinuura Port	22
	26	Nagoya Port	63
Mie Pref.	27	Yokkaichi Port	42
	28	Toba Port	47
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	23
	30	Lake Biwa (center, offshore of Karasaki)	31
Kyoto Pref.	31	Miyazu Port	7.1
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	3.0
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	38
	35	Mouth of Riv. Yodo (Osaka City)	38
	36	Osaka Port	440
	37	Outside Osaka Port	160
Hyogo Pref.	38	Offshore of Himeji	19
Kobe City	39	Kobe Port (center)	890
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.2
Okayama Pref.	42	Offshore of Mizushima	4.3
Hiroshima Pref.	43	Kure Port	790
	44	Hiroshima Bay	41
Yamaguchi Pref.	45	Tokuyama Bay	40
	46	Offshore of Ube	6.6
	47	Offshore of Hagi	3.5
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	1.8
Kagawa Pref.	49	Takamatsu Port	27
Ehime Pref.	50	Niihama Port	37
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.9
Kitakyushu City	52	Dokai Bay	290
Fukuoka City	53	Hakata Bay	9.7
Saga Pref.	54	Imari Bay	16
Nagasaki Pref.	55	Omura Bay	43
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(0.5)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	330

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 49/60 (Missing value : 0)
Detection Frequency (sample) : 49/60 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.2

	Aggregated value
Geometric mean	8.8
Median	9.6
Maximum	1,900
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.1
	2	Tomakomai Port	4.5
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	24
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)	nd
Fukushima Pref.	8	Onahama Port	440
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9.5
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	41
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	52
	13	Mouth of Riv. Sumida (Minato Ward)	300
Yokohama City	14	Yokohama Port	1,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	9.6
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	310
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	1.3
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.6
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	3.8
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	16
Shizuoka Pref.	23	Shimizu Port	11
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	25	Kinuura Port	5.8
	26	Nagoya Port	23
Mie Pref.	27	Yokkaichi Port	30
	28	Toba Port	9.1
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	24
	30	Lake Biwa (center, offshore of Karasaki)	18
Kyoto Pref.	31	Miyazu Port	5.8
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(0.6)
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	1.3
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	25
	35	Mouth of Riv. Yodo (Osaka City)	23
	36	Osaka Port	160
	37	Outside Osaka Port	70
Hyogo Pref.	38	Offshore of Himeji	10
Kobe City	39	Kobe Port (center)	980
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.2
Okayama Pref.	42	Offshore of Mizushima	1.7
Hiroshima Pref.	43	Kure Port	1,600
	44	Hiroshima Bay	31
Yamaguchi Pref.	45	Tokuyama Bay	62
	46	Offshore of Ube	15
	47	Offshore of Hagi	1.4
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	2.5
Kagawa Pref.	49	Takamatsu Port	18
Ehime Pref.	50	Niihama Port	250
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	1.6
Kitakyushu City	52	Dokai Bay	1,900
Fukuoka City	53	Hakata Bay	5.9
Saga Pref.	54	Imari Bay	6.7
Nagasaki Pref.	55	Omura Bay	47
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	1.2
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	140

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 0.9

	Aggregated value
Geometric mean	50
Median	42
Maximum	5,200
Minimum	2.4

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	86
	2	Tomakomai Port	81
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	7.7
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	320
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	11
Akita Pref.	6	Lake Hachiro	54
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	9.3
Fukushima Pref.	8	Onahama Port	4,800
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	190
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	2.4
Chiba Pref.	11	Coast of Ichihara and Anegasaki	340
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	370
	13	Mouth of Riv. Sumida (Minato Ward)	390
Yokohama City	14	Yokohama Port	260
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	67
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	880
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	47
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	29
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	40
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5.6
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	7.3
Nagano Pref.	22	Lake Suwa (center)	250
Shizuoka Pref.	23	Shimizu Port	46
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	22
Aichi Pref.	25	Kinuura Port	33
	26	Nagoya Port	80
Mie Pref.	27	Yokkaichi Port	120
	28	Toba Port	40
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	100
	30	Lake Biwa (center, offshore of Karasaki)	34
Kyoto Pref.	31	Miyazu Port	9.8
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	14
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	9.3
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	72
	35	Mouth of Riv. Yodo (Osaka City)	180
	36	Osaka Port	330
	37	Outside Osaka Port	110
Hyogo Pref.	38	Offshore of Himeji	27
Kobe City	39	Kobe Port (center)	64
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	19
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	24
Okayama Pref.	42	Offshore of Mizushima	7.9
Hiroshima Pref.	43	Kure Port	510
	44	Hiroshima Bay	19
Yamaguchi Pref.	45	Tokuyama Bay	110
	46	Offshore of Ube	26
	47	Offshore of Hagi	6.1
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	150
Kagawa Pref.	49	Takamatsu Port	60
Ehime Pref.	50	Niihama Port	470
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	45
Kitakyushu City	52	Dokai Bay	5,200
Fukuoka City	53	Hakata Bay	18
Saga Pref.	54	Imari Bay	40
Nagasaki Pref.	55	Omura Bay	28
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	29
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	4.2
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	3.0
	59	Riv. Gotanda (Ichikikushikino City)	2.5
Okinawa Pref.	60	Naha Port	24

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 58/60 (Missing value : 0)
Detection Frequency (sample) : 58/60 (Missing value : 0)
Detection limit : 4
Quantification limit : 9

	Aggregated value
Geometric mean	46
Median	56
Maximum	660
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	56
	2	Tomakomai Port	120
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	48
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	72
Akita Pref.	6	Lake Hachiro	50
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	14
Fukushima Pref.	8	Onahama Port	20
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	76
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	57
Chiba Pref.	11	Coast of Ichihara and Anegasaki	240
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	220
	13	Mouth of Riv. Sumida (Minato Ward)	660
Yokohama City	14	Yokohama Port	200
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	47
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	200
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	17
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	16
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	32
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	44
Nagano Pref.	22	Lake Suwa (center)	91
Shizuoka Pref.	23	Shimizu Port	13
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	20
Aichi Pref.	25	Kinuura Port	120
	26	Nagoya Port	65
Mie Pref.	27	Yokkaichi Port	82
	28	Toba Port	53
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	330
	30	Lake Biwa (center, offshore of Karasaki)	240
Kyoto Pref.	31	Miyazu Port	21
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	67
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	15
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	200
	35	Mouth of Riv. Yodo (Osaka City)	270
	36	Osaka Port	130
	37	Outside Osaka Port	86
Hyogo Pref.	38	Offshore of Himeji	130
Kobe City	39	Kobe Port (center)	110
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	29
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	42	Offshore of Mizushima	32
Hiroshima Pref.	43	Kure Port	86
	44	Hiroshima Bay	82
Yamaguchi Pref.	45	Tokuyama Bay	120
	46	Offshore of Ube	16
	47	Offshore of Hagi	9
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	15
Kagawa Pref.	49	Takamatsu Port	58
Ehime Pref.	50	Niihama Port	49
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	11
Kitakyushu City	52	Dokai Bay	63
Fukuoka City	53	Hakata Bay	76
Saga Pref.	54	Imari Bay	23
Nagasaki Pref.	55	Omura Bay	210
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(8)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(7)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	11
Okinawa Pref.	60	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

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

Monitored year : 2023
Detection Frequency (site) : 57/60 (Missing value : 0)
Detection Frequency (sample) : 57/60 (Missing value : 0)
Detection limit : 3
Quantification limit : 7

	Aggregated value
Geometric mean	22
Median	24
Maximum	410
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	15
	2	Tomakomai Port	21
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(3)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	19
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	29
Akita Pref.	6	Lake Hachiro	36
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	24
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	18
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	8
Chiba Pref.	11	Coast of Ichihara and Anegasaki	41
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	38
	13	Mouth of Riv. Sumida (Minato Ward)	44
Yokohama City	14	Yokohama Port	17
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	9
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	46
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(3)
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	35
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	21
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	17
Nagano Pref.	22	Lake Suwa (center)	12
Shizuoka Pref.	23	Shimizu Port	20
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	23
Aichi Pref.	25	Kinuura Port	15
	26	Nagoya Port	24
Mie Pref.	27	Yokkaichi Port	27
	28	Toba Port	28
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	100
	30	Lake Biwa (center, offshore of Karasaki)	95
Kyoto Pref.	31	Miyazu Port	110
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	27
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	22
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	120
	35	Mouth of Riv. Yodo (Osaka City)	60
	36	Osaka Port	410
	37	Outside Osaka Port	88
Hyogo Pref.	38	Offshore of Himeji	36
Kobe City	39	Kobe Port (center)	30
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	24
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(5)
Okayama Pref.	42	Offshore of Mizushima	31
Hiroshima Pref.	43	Kure Port	14
	44	Hiroshima Bay	22
Yamaguchi Pref.	45	Tokuyama Bay	27
	46	Offshore of Ube	17
	47	Offshore of Hagi	44
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	13
Kagawa Pref.	49	Takamatsu Port	32
Ehime Pref.	50	Niihama Port	37
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	19
Kitakyushu City	52	Dokai Bay	32
Fukuoka City	53	Hakata Bay	50
Saga Pref.	54	Imari Bay	69
Nagasaki Pref.	55	Omura Bay	98
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	tr(6)
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	24
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(6)
Okinawa Pref.	60	Naha Port	13

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 19/60 (Missing value : 0)
Detection Frequency (sample) : 19/60 (Missing value : 0)
Detection limit : 3
Quantification limit : 6

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	20
Minimum	nd

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

[26] Methoxychlor /sediment (pg/g-dry)

Monitored year : 2023
Detection Frequency (site) : 0/60 (Missing value : 0)
Detection Frequency (sample) : 0/60 (Missing value : 0)
Detection limit : 4
Quantification limit : 10

	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
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	nd
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	nd
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	nd
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	22	Lake Suwa (center)	nd
Shizuoka Pref.	23	Shimizu Port	nd
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	25	Kinuura Port	nd
	26	Nagoya Port	nd
Mie Pref.	27	Yokkaichi Port	nd
	28	Toba Port	nd
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	nd
	30	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto Pref.	31	Miyazu Port	nd
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	35	Mouth of Riv. Yodo (Osaka City)	nd
	36	Osaka Port	nd
	37	Outside Osaka Port	nd
Hyogo Pref.	38	Offshore of Himeji	nd
Kobe City	39	Kobe Port (center)	nd
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	42	Offshore of Mizushima	nd
Hiroshima Pref.	43	Kure Port	nd
	44	Hiroshima Bay	nd
Yamaguchi Pref.	45	Tokuyama Bay	nd
	46	Offshore of Ube	nd
	47	Offshore of Hagi	nd
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	49	Takamatsu Port	nd
Ehime Pref.	50	Niihama Port	nd
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	52	Dokai Bay	nd
Fukuoka City	53	Hakata Bay	nd
Saga Pref.	54	Imari Bay	nd
Nagasaki Pref.	55	Omura Bay	nd
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	60	Naha Port	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) nd : Not detected

[27] Dechlorane pluses /sediment (pg/g-dry)

Monitored year : 2023
Detection Frequency (site) : 53/60 (Missing value : 0)
Detection Frequency (sample) : 53/60 (Missing value : 0)
Detection limit : *7
Quantification limit : *19

	Aggregated value
Geometric mean	210
Median	250
Maximum	9,300
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	64
	2	Tomakomai Port	200
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	200
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	120
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	3,000
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1,100
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	20
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2,600
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	5,800
	13	Mouth of Riv. Sumida (Minato Ward)	7,300
Yokohama City	14	Yokohama Port	7,400
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	480
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	6,200
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	89
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	280
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	260
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(18)
Nagano Pref.	22	Lake Suwa (center)	440
Shizuoka Pref.	23	Shimizu Port	320
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(10)
Aichi Pref.	25	Kinuura Port	750
	26	Nagoya Port	840
Mie Pref.	27	Yokkaichi Port	3,300
	28	Toba Port	210
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	1,500
	30	Lake Biwa (center, offshore of Karasaki)	1,100
Kyoto Pref.	31	Miyazu Port	110
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	110
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,000
	35	Mouth of Riv. Yodo (Osaka City)	9,300
	36	Osaka Port	6,800
	37	Outside Osaka Port	1,100
Hyogo Pref.	38	Offshore of Himeji	520
Kobe City	39	Kobe Port (center)	890
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(18)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	30
Okayama Pref.	42	Offshore of Mizushima	41
Hiroshima Pref.	43	Kure Port	1,400
	44	Hiroshima Bay	820
Yamaguchi Pref.	45	Tokuyama Bay	150
	46	Offshore of Ube	52
	47	Offshore of Hagi	tr(16)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	130
Kagawa Pref.	49	Takamatsu Port	3,300
Ehime Pref.	50	Niihama Port	250
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	70
Kitakyushu City	52	Dokai Bay	3,800
Fukuoka City	53	Hakata Bay	280
Saga Pref.	54	Imari Bay	250
Nagasaki Pref.	55	Omura Bay	180
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	42
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(9)
Okinawa Pref.	60	Naha Port	3,600

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) nd : Not detected
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 5) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[27-1] *anti* -Dechlorane plus /sediment (pg/g-dry)

Monitored year : 2023
Detection Frequency (site) : 53/60 (Missing value : 0)
Detection Frequency (sample) : 53/60 (Missing value : 0)
Detection limit : 6
Quantification limit : 16

	Aggregated value
Geometric mean	150
Median	190
Maximum	7,300
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	45
	2	Tomakomai Port	150
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	140
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	83
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	2,200
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	810
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	tr(13)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2,000
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	4,900
	13	Mouth of Riv. Sumida (Minato Ward)	5,300
Yokohama City	14	Yokohama Port	6,100
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	290
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	4,500
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	73
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	200
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	200
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(13)
Nagano Pref.	22	Lake Suwa (center)	320
Shizuoka Pref.	23	Shimizu Port	230
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(7)
Aichi Pref.	25	Kinuura Port	540
	26	Nagoya Port	560
Mie Pref.	27	Yokkaichi Port	2,500
	28	Toba Port	150
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	1,200
	30	Lake Biwa (center, offshore of Karasaki)	820
Kyoto Pref.	31	Miyazu Port	83
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	76
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	750
	35	Mouth of Riv. Yodo (Osaka City)	7,300
	36	Osaka Port	5,200
	37	Outside Osaka Port	770
Hyogo Pref.	38	Offshore of Himeji	360
Kobe City	39	Kobe Port (center)	640
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(12)
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	19
Okayama Pref.	42	Offshore of Mizushima	29
Hiroshima Pref.	43	Kure Port	920
	44	Hiroshima Bay	620
Yamaguchi Pref.	45	Tokuyama Bay	110
	46	Offshore of Ube	36
	47	Offshore of Hagi	tr(12)
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	55
Kagawa Pref.	49	Takamatsu Port	2,400
Ehime Pref.	50	Niihama Port	200
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	48
Kitakyushu City	52	Dokai Bay	2,800
Fukuoka City	53	Hakata Bay	220
Saga Pref.	54	Imari Bay	180
Nagasaki Pref.	55	Omura Bay	130
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	32
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(7)
Okinawa Pref.	60	Naha Port	2,800

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

[27-2] *syn* -Dechlorane plus /sediment (pg/g-dry)

Monitored year : 2023
Detection Frequency (site) : 57/60 (Missing value : 0)
Detection Frequency (sample) : 57/60 (Missing value : 0)
Detection limit : 1
Quantification limit : 3

	Aggregated value
Geometric mean	59
Median	60
Maximum	2,000
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	19
	2	Tomakomai Port	46
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	tr(2)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	57
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	41
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(1)
Fukushima Pref.	8	Onahama Port	840
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	280
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	7
Chiba Pref.	11	Coast of Ichihara and Anegasaki	550
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	890
	13	Mouth of Riv. Sumida (Minato Ward)	2,000
Yokohama City	14	Yokohama Port	1,300
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	190
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	1,700
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	16
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	79
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	60
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	6
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	5
Nagano Pref.	22	Lake Suwa (center)	120
Shizuoka Pref.	23	Shimizu Port	90
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	3
Aichi Pref.	25	Kinuura Port	210
	26	Nagoya Port	280
Mie Pref.	27	Yokkaichi Port	790
	28	Toba Port	58
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	340
	30	Lake Biwa (center, offshore of Karasaki)	260
Kyoto Pref.	31	Miyazu Port	30
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	3
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	32
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	300
	35	Mouth of Riv. Yodo (Osaka City)	2,000
	36	Osaka Port	1,600
	37	Outside Osaka Port	350
Hyogo Pref.	38	Offshore of Himeji	160
Kobe City	39	Kobe Port (center)	250
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	6
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	11
Okayama Pref.	42	Offshore of Mizushima	12
Hiroshima Pref.	43	Kure Port	510
	44	Hiroshima Bay	200
Yamaguchi Pref.	45	Tokuyama Bay	42
	46	Offshore of Ube	16
	47	Offshore of Hagi	4
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	74
Kagawa Pref.	49	Takamatsu Port	930
Ehime Pref.	50	Niihama Port	50
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	22
Kitakyushu City	52	Dokai Bay	970
Fukuoka City	53	Hakata Bay	61
Saga Pref.	54	Imari Bay	73
Nagasaki Pref.	55	Omura Bay	52
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	10
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	nd
	59	Riv. Gotanda (Ichikikushikino City)	tr(2)
Okinawa Pref.	60	Naha Port	850

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

[28] UV-328 /sediment (pg/g-dry)

Monitored year : 2023
Detection Frequency (site) : 60/60 (Missing value : 0)
Detection Frequency (sample) : 60/60 (Missing value : 0)
Detection limit : 8
Quantification limit : 21

	Aggregated value
Geometric mean	1,400
Median	1,500
Maximum	71,000
Minimum	tr(12)

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	790
	2	Tomakomai Port	910
Iwate Pref.	3	Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City)	30
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2,000
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(14)
Akita Pref.	6	Lake Hachiro	600
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	44
Fukushima Pref.	8	Onahama Port	8,700
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3,400
Tochigi Pref.	10	Yajikka-bashi Bridge, Riv. Tagawa (Shimono City)	74
Chiba Pref.	11	Coast of Ichihara and Anegasaki	7,100
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	15,000
	13	Mouth of Riv. Sumida (Minato Ward)	71,000
Yokohama City	14	Yokohama Port	15,000
Kawasaki City	15	Mouth of Riv. Tama (Kawasaki City)	4,000
	16	Front of Ougi Town, Keihin Canal, Port of Kawasaki	16,000
Niigata Pref.	17	Lower Riv. Shinano (Niigata City)	410
Toyama Pref.	18	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	920
Ishikawa Pref.	19	Mouth of Riv. Sai (Kanazawa City)	3,000
Fukui Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	30
Yamanashi Pref.	21	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	300
Nagano Pref.	22	Lake Suwa (center)	6,600
Shizuoka Pref.	23	Shimizu Port	2,400
	24	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	48
Aichi Pref.	25	Kinuura Port	5,600
	26	Nagoya Port	6,100
Mie Pref.	27	Yokkaichi Port	9,300
	28	Toba Port	1,000
Shiga Pref.	29	Lake Biwa (center, offshore of Minamihira)	6,000
	30	Lake Biwa (center, offshore of Karasaki)	4,800
Kyoto Pref.	31	Miyazu Port	740
Kyoto City	32	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	290
Osaka Pref.	33	Mouth of Riv. Yamato (Sakai City)	820
Osaka City	34	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	26,000
	35	Mouth of Riv. Yodo (Osaka City)	14,000
	36	Osaka Port	52,000
	37	Outside Osaka Port	9,600
Hyogo Pref.	38	Offshore of Himeji	7,400
Kobe City	39	Kobe Port (center)	7,800
Nara Pref.	40	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	150
Wakayama Pref.	41	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	180
Okayama Pref.	42	Offshore of Mizushima	310
Hiroshima Pref.	43	Kure Port	7,200
	44	Hiroshima Bay	6,700
Yamaguchi Pref.	45	Tokuyama Bay	910
	46	Offshore of Ube	280
	47	Offshore of Hagi	220
Tokushima Pref.	48	Mouth of Riv. Yoshino (Tokushima City)	390
Kagawa Pref.	49	Takamatsu Port	42,000
Ehime Pref.	50	Niihama Port	1,400
Kochi Pref.	51	Mouth of Riv. Shimanto (Shimanto City)	660
Kitakyushu City	52	Dokai Bay	5,900
Fukuoka City	53	Hakata Bay	2,200
Saga Pref.	54	Imari Bay	1,600
Nagasaki Pref.	55	Omura Bay	1,400
Oita Pref.	56	Mouth of Riv. Oita (Oita City)	300
Miyazaki Pref.	57	Mouth of Riv. Oyodo (Miyazaki City)	tr(12)
Kagoshima Pref.	58	Riv. Amori (Kirishima City)	43
	59	Riv. Gotanda (Ichikikushikino City)	110
Okinawa Pref.	60	Naha Port	38,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples)
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : *5
Quantification limit : *12

	Aggregated value
Geometric mean	8,100
Median	7,200
Maximum	380,000
Minimum	240

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	680	7,700	150,000
Median	1,100	7,200	220,000
Maximum	1,900	83,000	380,000
Minimum	240	720	63,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1,900
	Yokohama City	2	Yokohama Port	Blue mussel	240
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2,800
		2		Chum salmon	1,200
	Iwate Pref.	3	Yamada Bay	Greenling	3,200
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	3,400
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1,200
	Tokyo Met.	6	Tokyo Bay	Sea bass	83,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	70,000
	Nagoya City	8	Nagoya Port	Striped mullet	17,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	15,000
	Osaka Pref.	10	Osaka Bay	Sea bass	77,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	13,000
	Tottori Pref.	12	Nakaumi	Sea bass	4,100
	Hiroshima City	13	Hiroshima Bay	Sea bass	14,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	37,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	720
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	9,500
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	5,000
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1,800
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	380,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	63,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	14,000,000
				Egg of Great Cormorant (Egg white)	16,000

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(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 : 2023
Detection Frequency (site) : 17/22 (Missing value : 0)
Detection Frequency (sample) : 17/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.8

	Aggregated value
Geometric mean	1.1
Median	0.9
Maximum	22
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	15/18	0/2
Detection Frequency (sample)	2/2	15/18	0/2
Geometric mean	tr(0.5)	1.5	nd
Median	tr(0.5)	1.9	nd
Maximum	tr(0.6)	22	nd
Minimum	tr(0.4)	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(0.6)
	Yokohama City	2	Yokohama Port	Blue mussel	tr(0.4)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(0.3)
	Iwate Pref.	3	Yamada Bay	Greenling	0.8
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(0.4)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	10
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	10
	Nagoya City	8	Nagoya Port	Striped mullet	22
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	1.8
	Osaka Pref.	10	Osaka Bay	Sea bass	14
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2.4
	Tottori Pref.	12	Nakaumi	Sea bass	tr(0.4)
	Hiroshima City	13	Hiroshima Bay	Sea bass	1.0
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	5.8
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	2.0
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.0
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	2.7
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	nd
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1.3
				Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

[1-2] Dichlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2023
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	17
Median	10
Maximum	400
Minimum	tr(2)

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	10	21	4
Median	14	10	4
Maximum	24	400	4
Minimum	4	tr(2)	4

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	24
	Yokohama City	2	Yokohama Port	Blue mussel	4
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(3)
		2		Chum salmon	4
	Iwate Pref.	3	Yamada Bay	Greenling	11
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	10
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(2)
	Tokyo Met.	6	Tokyo Bay	Sea bass	350
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	400
	Nagoya City	8	Nagoya Port	Striped mullet	360
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	7
	Osaka Pref.	10	Osaka Bay	Sea bass	400
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	31
	Tottori Pref.	12	Nakaumi	Sea bass	7
	Hiroshima City	13	Hiroshima Bay	Sea bass	18
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	140
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(3)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	9
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	19
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	4
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	4
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	4
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	140
				Egg of Great Cormorant (Egg white)	tr(2)

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.1

	Aggregated value
Geometric mean	280
Median	100
Maximum	8,400
Minimum	13

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	31	270	3,800
Median	44	100	4,600
Maximum	76	8,400	7,100
Minimum	13	15	2,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	76
	Yokohama City	2	Yokohama Port	Blue mussel	13
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	76
		2		Chum salmon	92
	Iwate Pref.	3	Yamada Bay	Greenling	110
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	100
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	29
	Tokyo Met.	6	Tokyo Bay	Sea bass	8,400
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	8,300
	Nagoya City	8	Nagoya Port	Striped mullet	3,100
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	250
	Osaka Pref.	10	Osaka Bay	Sea bass	6,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	400
	Tottori Pref.	12	Nakaumi	Sea bass	88
	Hiroshima City	13	Hiroshima Bay	Sea bass	200
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	15
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	82
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	95
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	27
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	7,100
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	2,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	940,000
				Egg of Great Cormorant (Egg white)	2,800

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	1,100
Median	510
Maximum	29,000
Minimum	36

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	83	1,100	14,000
Median	110	510	18,000
Maximum	190	29,000	29,000
Minimum	36	65	7,200

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	190
	Yokohama City	2	Yokohama Port	Blue mussel	36
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	300
		2		Chum salmon	260
	Iwate Pref.	3	Yamada Bay	Greenling	290
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	450
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	130
	Tokyo Met.	6	Tokyo Bay	Sea bass	29,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	24,000
	Nagoya City	8	Nagoya Port	Striped mullet	6,100
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	2,000
	Osaka Pref.	10	Osaka Bay	Sea bass	20,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,500
	Tottori Pref.	12	Nakaumi	Sea bass	450
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	9,300
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	65
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	530
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	490
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	91
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	29,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	7,200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,400,000
				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 samp
(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 : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	7.8
Median	4.6
Maximum	120
Minimum	1.1

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	2.4	8.1	18
Median	2.6	5.2	33
Maximum	3.8	120	61
Minimum	1.5	1.1	5.3

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	3.8
	Yokohama City	2	Yokohama Port	Blue mussel	1.5
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.2
		2		Chum salmon	1.4
	Iwate Pref.	3	Yamada Bay	Greenling	6.5
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	2.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	120
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	91
	Nagoya City	8	Nagoya Port	Striped mullet	26
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	44
	Osaka Pref.	10	Osaka Bay	Sea bass	88
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	9.4
	Tottori Pref.	12	Nakaumi	Sea bass	2.6
	Hiroshima City	13	Hiroshima Bay	Sea bass	6.9
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	49
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	1.1
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	4.0
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1.4
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	61
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	5.3
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	730
				Egg of Great Cormorant (Egg white)	0.6

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

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

Monitored year : 2023
Detection Frequency (site) : 19/22 (Missing value : 0)
Detection Frequency (sample) : 19/22 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	1.4
Median	0.8
Maximum	76
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	16/18	2/2
Detection Frequency (sample)	1/2	16/18	2/2
Geometric mean	tr(0.2)	1.2	30
Median	tr(0.2)	0.8	44
Maximum	tr(0.5)	15	76
Minimum	nd	nd	12

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(0.5)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.5)
		2		Chum salmon	tr(0.5)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(0.4)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(0.4)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(0.4)
	Tokyo Met.	6	Tokyo Bay	Sea bass	15
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	12
	Nagoya City	8	Nagoya Port	Striped mullet	4.5
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	8.1
	Osaka Pref.	10	Osaka Bay	Sea bass	13
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1.3
	Tottori Pref.	12	Nakaumi	Sea bass	0.6
	Hiroshima City	13	Hiroshima Bay	Sea bass	1.2
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	6.0
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	0.9
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	0.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	76
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	12
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,300
				Egg of Great Cormorant (Egg white)	1.1

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	2,000
Median	1,500
Maximum	85,000
Minimum	62

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	160	1,900	33,000
Median	250	1,500	49,000
Maximum	430	25,000	85,000
Minimum	62	190	13,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	430
	Yokohama City	2	Yokohama Port	Blue mussel	62
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	830
		2		Chum salmon	400
	Iwate Pref.	3	Yamada Bay	Greenling	590
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	870
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	330
	Tokyo Met.	6	Tokyo Bay	Sea bass	25,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	21,000
	Nagoya City	8	Nagoya Port	Striped mullet	3,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	5,600
	Osaka Pref.	10	Osaka Bay	Sea bass	23,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,600
	Tottori Pref.	12	Nakaumi	Sea bass	1,300
	Hiroshima City	13	Hiroshima Bay	Sea bass	3,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	9,400
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	190
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	1,700
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	1,200
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	240
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	85,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	13,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,000,000
				Egg of Great Cormorant (Egg white)	3,700

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(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 : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	110
Median	64
Maximum	12,000
Minimum	3.5

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	7.7	97	4,600
Median	10	64	6,900
Maximum	17	950	12,000
Minimum	3.5	13	1,800

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	17
	Yokohama City	2	Yokohama Port	Blue mussel	3.5
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	54
		2		Chum salmon	13
	Iwate Pref.	3	Yamada Bay	Greenling	46
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	57
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	19
	Tokyo Met.	6	Tokyo Bay	Sea bass	850
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	950
	Nagoya City	8	Nagoya Port	Striped mullet	200
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	360
	Osaka Pref.	10	Osaka Bay	Sea bass	760
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	110
	Tottori Pref.	12	Nakaumi	Sea bass	47
	Hiroshima City	13	Hiroshima Bay	Sea bass	110
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	460
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	15
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	58
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	71
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	23
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	12,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,800
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	320,000
				Egg of Great Cormorant (Egg white)	430

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(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 : 2023
Detection Frequency (site) : 21/22 (Missing value : 0)
Detection Frequency (sample) : 21/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	8.2
Median	5.8
Maximum	1,200
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	18/18	2/2
Detection Frequency (sample)	1/2	18/18	2/2
Geometric mean	nd	7.4	460
Median	nd	5.8	690
Maximum	tr(0.7)	78	1,200
Minimum	nd	1.3	180

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(0.7)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	4.0
		2		Chum salmon	1.3
	Iwate Pref.	3	Yamada Bay	Greenling	2.6
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.1
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1.7
	Tokyo Met.	6	Tokyo Bay	Sea bass	73
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	78
	Nagoya City	8	Nagoya Port	Striped mullet	15
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	27
	Osaka Pref.	10	Osaka Bay	Sea bass	63
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	7.3
	Tottori Pref.	12	Nakaumi	Sea bass	2.8
	Hiroshima City	13	Hiroshima Bay	Sea bass	7.5
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	34
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	1.3
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	5.7
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6.0
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1.5
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	1,200
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	180
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	34,000
				Egg of Great Cormorant (Egg white)	32

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	380
Median	240
Maximum	38,000
Minimum	15

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	28	340	14,000
Median	34	240	22,000
Maximum	54	3,800	38,000
Minimum	15	42	5,200

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	54
	Yokohama City	2	Yokohama Port	Blue mussel	15
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	180
		2		Chum salmon	44
	Iwate Pref.	3	Yamada Bay	Greenling	110
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	190
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	58
	Tokyo Met.	6	Tokyo Bay	Sea bass	3,800
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	3,800
	Nagoya City	8	Nagoya Port	Striped mullet	610
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	920
	Osaka Pref.	10	Osaka Bay	Sea bass	3,400
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	470
	Tottori Pref.	12	Nakaumi	Sea bass	220
	Hiroshima City	13	Hiroshima Bay	Sea bass	470
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,800
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	250
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	220
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	70
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	38,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	5,200
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200,000
				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 samp
(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 : 2023
Detection Frequency (site) : 21/22 (Missing value : 0)
Detection Frequency (sample) : 21/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	7.2
Median	5.1
Maximum	860
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	18/18	2/2
Detection Frequency (sample)	1/2	18/18	2/2
Geometric mean	tr(0.5)	6.3	350
Median	tr(0.6)	5.1	500
Maximum	1.1	58	860
Minimum	nd	tr(0.9)	140

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1.1
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.2
		2		Chum salmon	tr(0.9)
	Iwate Pref.	3	Yamada Bay	Greenling	2.4
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.3
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1.3
	Tokyo Met.	6	Tokyo Bay	Sea bass	53
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	58
	Nagoya City	8	Nagoya Port	Striped mullet	13
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	23
	Osaka Pref.	10	Osaka Bay	Sea bass	53
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	7.5
	Tottori Pref.	12	Nakaumi	Sea bass	3.4
	Hiroshima City	13	Hiroshima Bay	Sea bass	8.6
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	32
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	1.0
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	5.5
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	4.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1.2
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	860
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	140
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25,000
				Egg of Great Cormorant (Egg white)	19

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 21/22 (Missing value : 0)
Detection Frequency (sample) : 21/22 (Missing value : 0)
Detection limit : 0.4
Quantification limit : 1.0

	Aggregated value
Geometric mean	3.7
Median	2.8
Maximum	280
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	18/18	2/2
Detection Frequency (sample)	1/2	18/18	2/2
Geometric mean	tr(0.5)	3.2	110
Median	tr(0.6)	2.8	160
Maximum	1.1	20	280
Minimum	nd	tr(0.6)	40

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1.1
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	1.8
		2		Chum salmon	tr(0.6)
	Iwate Pref.	3	Yamada Bay	Greenling	1.9
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1.1
	Tokyo Met.	6	Tokyo Bay	Sea bass	20
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	14
	Nagoya City	8	Nagoya Port	Striped mullet	4.7
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	17
	Osaka Pref.	10	Osaka Bay	Sea bass	15
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2.8
	Tottori Pref.	12	Nakaumi	Sea bass	1.6
	Hiroshima City	13	Hiroshima Bay	Sea bass	4.6
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	11
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(0.6)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	4.1
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.8
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(0.6)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	280
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	40
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,700
				Egg of Great Cormorant (Egg white)	1.5

(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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.4

	Aggregated value
Geometric mean	2,800
Median	2,400
Maximum	180,000
Minimum	100

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	290	2,500	71,000
Median	460	2,400	100,000
Maximum	830	20,000	180,000
Minimum	100	300	28,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	830
	Yokohama City	2	Yokohama Port	Blue mussel	100
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	1,100
		2		Chum salmon	320
	Iwate Pref.	3	Yamada Bay	Greenling	1,300
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	1,400
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	500
	Tokyo Met.	6	Tokyo Bay	Sea bass	16,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	13,000
	Nagoya City	8	Nagoya Port	Striped mullet	2,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	5,800
	Osaka Pref.	10	Osaka Bay	Sea bass	20,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	5,200
	Tottori Pref.	12	Nakaumi	Sea bass	1,700
	Hiroshima City	13	Hiroshima Bay	Sea bass	6,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	10,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	300
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	4,400
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2,100
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	580
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	180,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	28,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,500,000
				Egg of Great Cormorant (Egg white)	3,700

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(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 : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.4

	Aggregated value
Geometric mean	45
Median	34
Maximum	8,300
Minimum	1.8

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	3.2	38	2,900
Median	3.8	34	4,600
Maximum	5.7	330	8,300
Minimum	1.8	2.7	1,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	5.7
	Yokohama City	2	Yokohama Port	Blue mussel	1.8
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	17
		2		Chum salmon	2.7
	Iwate Pref.	3	Yamada Bay	Greenling	21
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	23
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	8.6
	Tokyo Met.	6	Tokyo Bay	Sea bass	250
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	240
	Nagoya City	8	Nagoya Port	Striped mullet	50
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	130
	Osaka Pref.	10	Osaka Bay	Sea bass	330
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	64
	Tottori Pref.	12	Nakaumi	Sea bass	19
	Hiroshima City	13	Hiroshima Bay	Sea bass	49
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	170
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	7.5
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	37
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	31
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	12
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	8,300
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	250,000
				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 samp
(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 : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.4

	Aggregated value
Geometric mean	14
Median	11
Maximum	1,900
Minimum	tr(0.6)

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	tr(1.1)	11	720
Median	1.4	11	1,100
Maximum	2.2	74	1,900
Minimum	tr(0.6)	tr(1.0)	270

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	2.2
	Yokohama City	2	Yokohama Port	Blue mussel	tr(0.6)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	6.5
		2		Chum salmon	tr(1.0)
	Iwate Pref.	3	Yamada Bay	Greenling	7.3
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9.0
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	2.9
	Tokyo Met.	6	Tokyo Bay	Sea bass	65
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	60
	Nagoya City	8	Nagoya Port	Striped mullet	13
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	32
	Osaka Pref.	10	Osaka Bay	Sea bass	74
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	18
	Tottori Pref.	12	Nakaumi	Sea bass	5.9
	Hiroshima City	13	Hiroshima Bay	Sea bass	14
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	46
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	2.2
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	14
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	9.1
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	3.9
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	1,900
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	270
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	51,000
				Egg of Great Cormorant (Egg white)	19

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.4

	Aggregated value
Geometric mean	28
Median	23
Maximum	3,600
Minimum	tr(0.9)

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	2.7	24	1,400
Median	4.6	23	2,100
Maximum	8.4	180	3,600
Minimum	tr(0.9)	2.3	510

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8.4
	Yokohama City	2	Yokohama Port	Blue mussel	tr(0.9)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	12
		2		Chum salmon	2.3
	Iwate Pref.	3	Yamada Bay	Greenling	12
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	14
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	6.4
	Tokyo Met.	6	Tokyo Bay	Sea bass	150
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	130
	Nagoya City	8	Nagoya Port	Striped mullet	27
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	61
	Osaka Pref.	10	Osaka Bay	Sea bass	180
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	41
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	39
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	100
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	4.0
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	32
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	19
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	7.4
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	3,600
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	510
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	110,000
				Egg of Great Cormorant (Egg white)	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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.

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

Monitored year : 2023
Detection Frequency (site) : 16/22 (Missing value : 0)
Detection Frequency (sample) : 16/22 (Missing value : 0)
Detection limit : 0.5
Quantification limit : 1.4

	Aggregated value
Geometric mean	1.5
Median	1.5
Maximum	130
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	13/18	2/2
Detection Frequency (sample)	1/2	13/18	2/2
Geometric mean	nd	tr(1.2)	58
Median	nd	1.5	78
Maximum	tr(0.5)	5.8	130
Minimum	nd	nd	26

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(0.5)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	1.4
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(0.6)
	Tokyo Met.	6	Tokyo Bay	Sea bass	4.0
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	3.9
	Nagoya City	8	Nagoya Port	Striped mullet	tr(1.0)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	2.3
	Osaka Pref.	10	Osaka Bay	Sea bass	5.8
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2.1
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	1.7
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	4.9
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	2.3
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1.2)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1.6
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	130
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	26
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,300
				Egg of Great Cormorant (Egg white)	tr(0.8)

(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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

[1-7] Heptachlorobiphenyls/wildlife (pg/g-wet)

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	1,000
Median	980
Maximum	61,000
Minimum	24

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	83	940	25,000
Median	160	980	36,000
Maximum	290	6,800	61,000
Minimum	24	71	10,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	290
	Yokohama City	2	Yokohama Port	Blue mussel	24
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	390
		2		Chum salmon	71
	Iwate Pref.	3	Yamada Bay	Greenling	740
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	480
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	170
	Tokyo Met.	6	Tokyo Bay	Sea bass	3,700
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	3,200
	Nagoya City	8	Nagoya Port	Striped mullet	1,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	1,200
	Osaka Pref.	10	Osaka Bay	Sea bass	6,800
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,500
	Tottori Pref.	12	Nakaumi	Sea bass	450
	Hiroshima City	13	Hiroshima Bay	Sea bass	2,700
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	4,500
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	120
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	2,400
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	960
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	540
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	61,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	10,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,100,000
				Egg of Great Cormorant (Egg white)	880

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	86
Median	88
Maximum	10,000
Minimum	1.2

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	2.7	83	3,900
Median	3.6	88	5,800
Maximum	6.1	610	10,000
Minimum	1.2	5.0	1,500

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	6.1
	Yokohama City	2	Yokohama Port	Blue mussel	1.2
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	44
		2		Chum salmon	5.0
	Iwate Pref.	3	Yamada Bay	Greenling	77
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	43
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	16
	Tokyo Met.	6	Tokyo Bay	Sea bass	360
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	330
	Nagoya City	8	Nagoya Port	Striped mullet	99
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	150
	Osaka Pref.	10	Osaka Bay	Sea bass	610
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	190
	Tottori Pref.	12	Nakaumi	Sea bass	33
	Hiroshima City	13	Hiroshima Bay	Sea bass	170
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	440
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	13
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	150
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	70
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	41
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	10,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,500
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	340,000
				Egg of Great Cormorant (Egg white)	150

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	260
Median	260
Maximum	21,000
Minimum	3.3

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	10	250	9,000
Median	18	260	12,000
Maximum	32	1,800	21,000
Minimum	3.3	15	3,900

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	32
	Yokohama City	2	Yokohama Port	Blue mussel	3.3
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	120
		2		Chum salmon	15
	Iwate Pref.	3	Yamada Bay	Greenling	200
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	150
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	47
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,100
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	980
	Nagoya City	8	Nagoya Port	Striped mullet	290
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	310
	Osaka Pref.	10	Osaka Bay	Sea bass	1,800
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	650
	Tottori Pref.	12	Nakaumi	Sea bass	95
	Hiroshima City	13	Hiroshima Bay	Sea bass	590
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,300
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	38
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	500
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	230
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	190
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	21,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	3,900
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	800,000
				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 samp
(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 : 2023
Detection Frequency (site) : 20/22 (Missing value : 0)
Detection Frequency (sample) : 20/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	5.2
Median	4.2
Maximum	770
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	17/18	2/2
Detection Frequency (sample)	1/2	17/18	2/2
Geometric mean	tr(0.4)	4.4	300
Median	tr(0.6)	4.2	440
Maximum	1.1	27	770
Minimum	nd	nd	120

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1.1
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.4
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	4.1
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	3.2
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1.2
	Tokyo Met.	6	Tokyo Bay	Sea bass	18
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	15
	Nagoya City	8	Nagoya Port	Striped mullet	4.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	9.2
	Osaka Pref.	10	Osaka Bay	Sea bass	27
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	12
	Tottori Pref.	12	Nakaumi	Sea bass	2.1
	Hiroshima City	13	Hiroshima Bay	Sea bass	7.7
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	17
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	1.0
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	7.7
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.9
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	2.2
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	770
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	120
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	22,000
				Egg of Great Cormorant (Egg white)	3.2

(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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	150
Median	180
Maximum	11,000
Minimum	1.3

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	4.7	150	4,700
Median	9.2	180	6,500
Maximum	17	890	11,000
Minimum	1.3	7.0	2,000

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	17
	Yokohama City	2	Yokohama Port	Blue mussel	1.3
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	69
		2		Chum salmon	7.0
	Iwate Pref.	3	Yamada Bay	Greenling	140
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	80
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	26
	Tokyo Met.	6	Tokyo Bay	Sea bass	470
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	510
	Nagoya City	8	Nagoya Port	Striped mullet	190
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	160
	Osaka Pref.	10	Osaka Bay	Sea bass	880
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	540
	Tottori Pref.	12	Nakaumi	Sea bass	57
	Hiroshima City	13	Hiroshima Bay	Sea bass	400
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	890
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	20
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	350
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	140
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	260
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	11,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	2,000
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	370,000
				Egg of Great Cormorant (Egg white)	75

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 20/22 (Missing value : 0)
Detection Frequency (sample) : 20/22 (Missing value : 0)
Detection limit : 0.3
Quantification limit : 0.7

	Aggregated value
Geometric mean	13
Median	18
Maximum	1,500
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	0/2	18/18	2/2
Detection Frequency (sample)	0/2	18/18	2/2
Geometric mean	nd	14	660
Median	nd	18	900
Maximum	nd	70	1,500
Minimum	nd	0.8	290

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	6.2
		2		Chum salmon	0.8
	Iwate Pref.	3	Yamada Bay	Greenling	14
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	11
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	4.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	49
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	35
	Nagoya City	8	Nagoya Port	Striped mullet	13
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	23
	Osaka Pref.	10	Osaka Bay	Sea bass	63
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	38
	Tottori Pref.	12	Nakaumi	Sea bass	4.3
	Hiroshima City	13	Hiroshima Bay	Sea bass	28
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	70
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	2.3
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	22
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	9.4
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	50
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	1,500
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	290
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	29,000
				Egg of Great Cormorant (Egg white)	2.7

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 19/22 (Missing value : 0)
Detection Frequency (sample) : 19/22 (Missing value : 0)
Detection limit : 0.7
Quantification limit : 1.7

	Aggregated value
Geometric mean	6.3
Median	6.9
Maximum	420
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	0/2	17/18	2/2
Detection Frequency (sample)	0/2	17/18	2/2
Geometric mean	nd	5.8	230
Median	nd	6.9	280
Maximum	nd	38	420
Minimum	nd	nd	130

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	3.2
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	4.0
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9.7
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.9
	Tokyo Met.	6	Tokyo Bay	Sea bass	38
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	11
	Nagoya City	8	Nagoya Port	Striped mullet	3.6
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	9.4
	Osaka Pref.	10	Osaka Bay	Sea bass	15
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	9.2
	Tottori Pref.	12	Nakaumi	Sea bass	2.7
	Hiroshima City	13	Hiroshima Bay	Sea bass	11
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	24
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.4)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	7.5
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.9
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	6.3
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	420
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	130
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	12,000
				Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) nd : Not detected

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

Monitored year : 2023
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	90
Median	64
Maximum	4,200
Minimum	9.3

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	14	76	3,000
Median	15	64	3,200
Maximum	21	560	4,200
Minimum	9.3	21	2,100

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	21
	Yokohama City	2	Yokohama Port	Blue mussel	9.3
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	390
		2		Chum salmon	560
	Iwate Pref.	3	Yamada Bay	Greenling	130
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	61
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	72
	Tokyo Met.	6	Tokyo Bay	Sea bass	140
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	53
	Nagoya City	8	Nagoya Port	Striped mullet	55
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	420
	Osaka Pref.	10	Osaka Bay	Sea bass	67
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	24
	Tottori Pref.	12	Nakaumi	Sea bass	21
	Hiroshima City	13	Hiroshima Bay	Sea bass	27
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	130
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	31
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	43
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	91
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	21
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	4,200
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	2,100
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	43,000
				Egg of Great Cormorant (Egg white)	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 samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 20/22 (Missing value : 0)
Detection Frequency (sample) : 20/22 (Missing value : 0)
Detection limit : 3
Quantification limit : 6

	Aggregated value
Geometric mean	180
Median	280
Maximum	100,000
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	17/18	2/2
Detection Frequency (sample)	1/2	17/18	2/2
Geometric mean	nd	180	12,000
Median	nd	280	51,000
Maximum	tr(5)	4,900	100,000
Minimum	nd	nd	1,400

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Blue mussel	tr(5)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	15
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	16
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	34
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	210
	Tokyo Met.	6	Tokyo Bay	Sea bass	760
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	1,300
	Nagoya City	8	Nagoya Port	Striped mullet	280
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	4,900
	Osaka Pref.	10	Osaka Bay	Sea bass	1,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	370
	Tottori Pref.	12	Nakaumi	Sea bass	330
	Hiroshima City	13	Hiroshima Bay	Sea bass	290
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	530
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	210
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	1,100
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	270
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	14
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	100,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,400
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	150,000
				Egg of Great Cormorant (Egg white)	220

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 14/22 (Missing value : 0)
Detection Frequency (sample) : 14/22 (Missing value : 0)
Detection limit : 3
Quantification limit : 8

	Aggregated value
Geometric mean	8
Median	8
Maximum	2,000
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	11/18	2/2
Detection Frequency (sample)	1/2	11/18	2/2
Geometric mean	tr(4)	tr(5)	360
Median	tr(6)	tr(7)	1,000
Maximum	13	29	2,000
Minimum	nd	nd	66

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Blue mussel	13
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(7)
		2		Chum salmon	10
	Iwate Pref.	3	Yamada Bay	Greenling	26
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	29
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	8
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(5)
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	17
	Nagoya City	8	Nagoya Port	Striped mullet	tr(7)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	15
	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	22
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	9
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	2,000
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	66
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,900
				Egg of Great Cormorant (Egg white)	20

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.6

	Aggregated value
Geometric mean	17
Median	14
Maximum	380
Minimum	3.4

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	18/18	2/2
Detection Frequency (sample)	2/2	18/18	2/2
Geometric mean	6.0	14	290
Median	6.0	14	300
Maximum	6.1	150	380
Minimum	6.0	3.4	220

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	6.0
	Yokohama City	2	Yokohama Port	Blue mussel	6.1
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	28
		2		Chum salmon	41
	Iwate Pref.	3	Yamada Bay	Greenling	19
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	5.5
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	7.2
	Tokyo Met.	6	Tokyo Bay	Sea bass	53
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	24
	Nagoya City	8	Nagoya Port	Striped mullet	150
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	47
	Osaka Pref.	10	Osaka Bay	Sea bass	16
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	4.6
	Tottori Pref.	12	Nakaumi	Sea bass	4.3
	Hiroshima City	13	Hiroshima Bay	Sea bass	5.8
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	28
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	3.4
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	7.4
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	13
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	5.3
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	380
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	220
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	13,000
				Egg of Great Cormorant (Egg white)	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 samp
(Note 2) Data treated as detected means detection limit value and more.

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

Monitored year : 2023
Detection Frequency (site) : 5/22 (Missing value : 0)
Detection Frequency (sample) : 5/22 (Missing value : 0)
Detection limit : *1,400
Quantification limit : *3,800

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

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	3/18	1/2
Detection Frequency (sample)	1/2	3/18	1/2
Geometric mean	nd	nd	tr(1,800)
Median	nd	nd	tr(2,400)
Maximum	tr(1,900)	tr(1,600)	4,800
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1,900)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(1,600)
	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(1,400)
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(1,600)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	4,800
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,100
				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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected
(Note 5) * : Indicates the sum value of the Quantification [Detection] limits of each substance with the same number of carbons in the alkyl group.

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

Monitored year : 2023
Detection Frequency (site) : 9/22 (Missing value : 0)
Detection Frequency (sample) : 9/22 (Missing value : 0)
Detection limit : 150
Quantification limit : 450

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	610
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	6/18	2/2
Detection Frequency (sample)	1/2	6/18	2/2
Geometric mean	nd	nd	500
Median	nd	nd	510
Maximum	tr(150)	tr(270)	610
Minimum	nd	nd	tr(410)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(150)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(270)
	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(190)
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	tr(200)
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	tr(150)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(190)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(180)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	tr(410)
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	610
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	4,100
				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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 1/22 (Missing value : 0)
Detection Frequency (sample) : 1/22 (Missing value : 0)
Detection limit : 500
Quantification limit : 1,500

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

	Bibalves	Fish	Birds
Detection Frequency (site)	0/2	0/18	1/2
Detection Frequency (sample)	0/2	0/18	1/2
Geometric mean	nd	nd	tr(550)
Median	nd	nd	tr(600)
Maximum	nd	nd	tr(1,200)
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	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	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	tr(1,200)
	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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 17/22 (Missing value : 0)
Detection Frequency (sample) : 17/22 (Missing value : 0)
Detection limit : 300
Quantification limit : 700

	Aggregated value
Geometric mean	tr(400)
Median	tr(420)
Maximum	1,300
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/2	13/18	2/2
Detection Frequency (sample)	2/2	13/18	2/2
Geometric mean	tr(600)	tr(350)	950
Median	tr(680)	tr(400)	1,000
Maximum	1,000	730	1,300
Minimum	tr(360)	nd	700

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1,000
	Yokohama City	2	Yokohama Port	Blue mussel	tr(360)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(620)
		2		Chum salmon	tr(630)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(360)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(410)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(380)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(690)
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	tr(470)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(510)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(470)
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(440)
	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(320)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(380)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	730
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	700
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,300
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 9/22 (Missing value : 0)
Detection Frequency (sample) : 9/22 (Missing value : 0)
Detection limit : 500
Quantification limit : 1,200

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

	Bibalves	Fish	Birds
Detection Frequency (site)	1/2	7/18	1/2
Detection Frequency (sample)	1/2	7/18	1/2
Geometric mean	nd	nd	tr(650)
Median	nd	nd	tr(850)
Maximum	tr(740)	tr(730)	1,700
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(740)
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(550)
		2		Chum salmon	tr(730)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(720)
	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(540)
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	tr(600)
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(610)
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(690)
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	nd
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	1,700
	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 samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

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

Monitored year : 2023
Detection Frequency (site) : 9/22 (Missing value : 0)
Detection Frequency (sample) : 9/22 (Missing value : 0)
Detection limit : 3
Quantification limit : 7

	Aggregated value
Geometric mean	tr(4)
Median	nd
Maximum	230
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	0/2	7/18	2/2
Detection Frequency (sample)	0/2	7/18	2/2
Geometric mean	nd	tr(3)	110
Median	nd	nd	140
Maximum	nd	34	230
Minimum	nd	nd	56

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	10
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	tr(5)
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	9
	Kawasaki City	7	Offshore of Ogishima Island, Port of	Sea bass	34
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado	Dace	tr(6)
	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	tr(5)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Spanish mackerel	20
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Tikubushima Island, Lake Biwa	Great Cormorant	230
	Tottori Pref.	2	Riv.Tenjin (Kurayoshi City)	Great Cormorant	56
	Hyogo Pref.	Reference value	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,900
				Egg of Great Cormorant (Egg white)	17

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samp
(Note 2) Data treated as detected means detection limit value and more.
(Note 3) tr : Detection limit value and more, less than Quantification limit value.
(Note 4) nd : Not detected

[1] Total Polychlorinated biphenyls (Total PCBs)/air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : *0.8
Quantification limit : *2.4

	Aggregated value
Geometric mean	60
Median	58
Maximum	190
Minimum	24

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	60	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	24	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	38	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	33	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	44	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	67	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	160	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	47	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	94	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	89	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	77	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	180	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	30	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	83	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	56	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	54	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	79	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	31	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	62	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	190	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	120	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	85	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	88	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	37	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	91	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	56	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	41	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	58	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	100	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	41	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	74	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	40	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	28	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	52	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	26	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	6.1
Median	6.5
Maximum	17
Minimum	0.59

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	3.7	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	2.9	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	11	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	4.7	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	6.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	13	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	16	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	2.0	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	9.7	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	17	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	5.4	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	5.1	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	3.7	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	5.9	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	7.8	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	14	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	7.1	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	7.8	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	5.4	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	9.9	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	16	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	8.1	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	15	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	2.4	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	10	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	6.5	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	4.5	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	8.2	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	8.2	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	3.4	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	10	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	5.0	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	2.5	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	3.8	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.59	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.1
Quantification limit : 0.4

	Aggregated value
Geometric mean	19
Median	18
Maximum	57
Minimum	8.6

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	9.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	8.6	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	13	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	13	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	15	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	24	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	37	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	21	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	27	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	31	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	22	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	57	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	11	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	28	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	15	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	17	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	29	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	10	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	17	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	32	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	32	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	23	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	27	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	13	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	26	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	20	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	14	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	18	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	30	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	15	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	26	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	18	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	12	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	18	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	9.5	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.1
Quantification limit : 0.3

	Aggregated value
Geometric mean	16
Median	15
Maximum	85
Minimum	6.1

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	9.1	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	6.1	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.3	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	8.6	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	11	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	17	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	43	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	13	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	24	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	18	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	23	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	85	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.9	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	22	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	15	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	12	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	21	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	6.5	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	15	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	45	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	33	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	26	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	27	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	10	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	19	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	16	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	12	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	16	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	30	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	11	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	21	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	9.8	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	7.3	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	13	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	10	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	9.7
Median	9.8
Maximum	47
Minimum	3.7

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	13	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	3.7	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	4.1	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	4.0	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	6.7	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	8.5	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	38	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	7.4	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	20	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	14	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	15	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	23	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	4.4	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	12	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	10	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	7.3	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	11	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.8	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	12	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	47	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	24	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	17	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	12	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	6.7	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	15	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	9.8	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	6.8	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	9.5	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	19	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	6.6	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	10	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	4.9	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	4.0	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	8.4	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	4.7	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 31/35 (Missing value : 0)
Detection Frequency (sample) : 31/35 (Missing value : 0)
Detection limit : 0.03
Quantification limit : 0.08

	Aggregated value
Geometric mean	tr(0.06)
Median	tr(0.06)
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)	11/7 ~ 11/14	tr(0.04)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	tr(0.03)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(0.03)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.05)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.14	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	tr(0.05)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.14	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.07)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.12	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.12	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.09	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.07)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.05)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(0.06)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.06)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.30	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.13	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.08	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.08	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	0.11	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.16	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(0.05)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(0.06)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.05)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.10	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.04)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.10	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.08	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 5/35 (Missing value : 0)
Detection Frequency (sample) : 5/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.04

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.04
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.02)	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	nd	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.04	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.1
Quantification limit : 0.4

	Aggregated value
Geometric mean	4.3
Median	3.4
Maximum	42
Minimum	0.7

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	19	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	1.7	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	2.1	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	1.9	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	3.1	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	3.3	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	20	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	2.7	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	9.3	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	6.7	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	7.6	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.1	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	2.0	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	10	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	5.5	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2.5	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	6.7	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	1.7	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	8.5	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	42	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	12	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	7.0	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	4.4	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	3.3	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	15	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	2.0	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	2.0	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	3.4	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	7.5	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	3.1	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	3.4	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.4	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	1.1	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	3.1	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.7	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 34/35 (Missing value : 0)
Detection Frequency (sample) : 34/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	0.11
Median	0.1
Maximum	1.1
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	0.31	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	tr(0.02)	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.05)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	tr(0.04)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	0.07	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	0.08	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.54	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	0.09	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.25	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	0.18	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.20	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.21	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.05)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.34	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	0.16	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.06	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.36	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.03)	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.19	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	1.1	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.33	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.17	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.12	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	0.09	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.45	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(0.05)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	0.10	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.09	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.21	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.07	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.11	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(0.03)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.08	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 17/35 (Missing value : 0)
Detection Frequency (sample) : 17/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.05

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.09
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.04)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.05	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.02)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.09	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.02)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.04)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(0.02)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(0.04)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.03
Quantification limit : 0.07

	Aggregated value
Geometric mean	0.32
Median	0.25
Maximum	3.5
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)	11/7 ~ 11/14	1.3	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	0.08	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.14	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	0.13	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	0.21	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	0.23	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	1.6	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	0.24	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.68	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	0.52	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.56	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.60	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.14	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.1	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	0.42	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.16	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.84	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.11	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.58	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.5	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.93	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.51	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.34	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	0.28	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.3	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	0.10	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	0.19	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.25	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.60	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.24	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.22	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.09	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	0.07	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.21	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 11/35 (Missing value : 0)
Detection Frequency (sample) : 11/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.07
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.03)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(0.04)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.07	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	nd	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(0.02)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 21/35 (Missing value : 0)
Detection Frequency (sample) : 21/35 (Missing value : 0)
Detection limit : 0.01
Quantification limit : 0.03

	Aggregated value
Geometric mean	nd
Median	tr(0.01)
Maximum	0.05
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(0.02)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.01)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.01)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.01)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.01)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.03	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.01)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.01)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.01)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(0.01)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.05	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.03	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.05
Quantification limit : 0.13

	Aggregated value
Geometric mean	1.9
Median	2.0
Maximum	14
Minimum	0.53

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	5.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	0.58	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.76	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	0.68	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	1.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	1.2	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	7.7	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	1.0	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	3.1	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	2.3	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	2.7	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	2.9	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.82	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	4.3	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	2.0	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.98	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	3.6	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.67	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.0	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	14	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	4.8	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	3.0	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	1.8	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	1.4	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	5.2	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	1.1	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	1.2	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2.4	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	4.2	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.6	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	2.0	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.78	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	0.76	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	3.2	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.53	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 22/35 (Missing value : 0)
Detection Frequency (sample) : 22/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.03)
Maximum	0.17
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.03)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.02)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.13	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.04)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.03)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.04)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.05)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.03)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.08	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.03)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.17	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31	tr(0.04)	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15	tr(0.03)	HV
			11/15 ~ 11/16		
			11/16 ~ 11/17		
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28	tr(0.03)	HV
			11/28 ~ 11/29		
			11/29 ~ 11/30		
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18	nd	HV
			10/18 ~ 10/19		
			10/19 ~ 10/20		
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24	0.07	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(0.02)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28	tr(0.03)	HV
			11/28 ~ 11/29		
			11/29 ~ 11/30		
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(0.04)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31	tr(0.02)	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24	nd	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31	0.06	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31	nd	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		

(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) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 24/35 (Missing value : 0)
Detection Frequency (sample) : 24/35 (Missing value : 0)
Detection limit : 0.01
Quantification limit : 0.03

	Aggregated value
Geometric mean	nd
Median	tr(0.01)
Maximum	0.05
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.01)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.01)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.04	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.01)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.01)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.01)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.01)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.01)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(0.02)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.01)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.05	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.01)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.01)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.01)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(0.01)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.01)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(0.01)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.01)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.04	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.03	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 14/35 (Missing value : 0)
Detection Frequency (sample) : 14/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.08
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.02)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(0.05)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.02)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(0.03)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.08	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.02)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(0.02)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(0.03)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 1/35 (Missing value : 0)
Detection Frequency (sample) : 1/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.04

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.03)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	nd	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(0.03)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.08
Quantification limit : 0.21

	Aggregated value
Geometric mean	0.41
Median	0.4
Maximum	2.4
Minimum	tr(0.11)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	0.52	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	tr(0.11)	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.14)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	tr(0.13)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	0.36	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	0.23	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	1.8	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	0.22	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.59	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	0.45	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.69	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.67	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.17)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.42	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	0.34	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.27	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.71	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.14)	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.66	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	2.4	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.91	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.86	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.40	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	0.25	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.91	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	0.26	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	0.37	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.68	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.97	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.35	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.85	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.17)	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(0.14)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.8	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.13)	HV

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

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 24/35 (Missing value : 0)
Detection Frequency (sample) : 24/35 (Missing value : 0)
Detection limit : 0.03
Quantification limit : 0.07

	Aggregated value
Geometric mean	tr(0.04)
Median	tr(0.04)
Maximum	0.23
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.03)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(0.03)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.03)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.22	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.06)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.05)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.07	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.04)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.04)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.04)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.03)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.07	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.07	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.23	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.08	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.08	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.05)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.08	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(0.03)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.04)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.09	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.03)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.14	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.19	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 28/35 (Missing value : 0)
Detection Frequency (sample) : 28/35 (Missing value : 0)
Detection limit : 0.03
Quantification limit : 0.08

	Aggregated value
Geometric mean	tr(0.06)
Median	tr(0.07)
Maximum	0.43
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(0.07)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(0.06)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(0.04)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.39	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	tr(0.04)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.11	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	0.08	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.13	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.06)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.07)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.06)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.04)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	0.17	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.14	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.43	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.15	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	0.17	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.07)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	tr(0.03)	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.12	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(0.04)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(0.07)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	0.09	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	0.17	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.05)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.08	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.35	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189) /air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 4/35 (Missing value : 0)
Detection Frequency (sample) : 4/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.05

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.06
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	nd	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(0.03)	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	nd	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.06	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.04)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 10/35 (Missing value : 0)
Detection Frequency (sample) : 10/35 (Missing value : 0)
Detection limit : 0.09
Quantification limit : 0.23

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.4
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.33	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.09)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.13)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.36	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.12)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.14)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.10)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.12)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.40	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.33	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 5/35 (Missing value : 0)
Detection Frequency (sample) : 5/35 (Missing value : 0)
Detection limit : 0.04
Quantification limit : 0.10

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.24
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(0.04)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	nd	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.14	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	nd	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.05)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	nd	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.24	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.10	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 15/35 (Missing value : 0)
Detection Frequency (sample) : 15/35 (Missing value : 0)
Detection limit : 0.02
Quantification limit : 0.06

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.11
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	0.11	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	nd	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.05)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(0.03)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.02)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(0.02)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	0.10	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(0.02)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(0.02)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.03)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(0.03)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(0.03)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(0.02)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	nd	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	0.08	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	nd	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	0.06	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/n^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.1
Quantification limit : 0.4

	Aggregated value
Geometric mean	94
Median	93
Maximum	140
Minimum	70

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	83	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	88	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	70	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	76	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	87	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	97	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	110	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	89	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	90	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	140	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	92	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	87	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	84	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	88	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	93	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	86	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	91	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	81	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	77	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	110	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	93	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	93	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	100	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	110	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	120	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	100	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	94	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	100	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	110	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	84	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	140	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	94	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	97	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	93	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	93	HV

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

[15] Perfluorooctane sulfonic acid (PFOS) /air (pg/n^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	3.5
Median	3.7
Maximum	6.8
Minimum	1.0

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	5.6	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	3.7	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	2.3	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	6.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	6.8	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	5.8	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	5.8	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	6.7	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.7	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	4.5	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	2.8	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.3	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	2.5	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.0	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	6.3	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2.5	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	6.6	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.9	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.0	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	3.7	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	2.8	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	2.9	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2.6	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	2.6	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.4	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	6.3	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	6.3	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	3.1	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	6.7	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.8	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	6.2	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.6	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	5.8	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.8	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	4.4	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	11
Median	10
Maximum	65
Minimum	4.0

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	7.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	10	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	4.3	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	9.6	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	9.6	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	27	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	19	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	6.6	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	18	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	13	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	7.4	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.4	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	11	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.6	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	11	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	9.7	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	14	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	5.0	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	10	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	14	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	25	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	13	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	8.9	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	7.6	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	9.8	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	50	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	24	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	11	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	23	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	65	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	12	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	7.5	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	8.7	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	5.4	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	4.0	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.08
Quantification limit : 0.21

	Aggregated value
Geometric mean	59
Median	58
Maximum	170
Minimum	36

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	43	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	48	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	42	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	46	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	54	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	65	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	71	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	44	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	54	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	83	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	62	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	58	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	45	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	50	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	58	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	77	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	56	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	40	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	47	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	75	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	72	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	58	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	76	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	53	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	120	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	66	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	59	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	71	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	71	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	48	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	170	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	56	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	51	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	62	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	36	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 105/105 (Missing value : 0)
Detection limit : 20
Quantification limit : 50

	Aggregated value
Geometric mean	3,100
Median	3,000
Maximum	6,500
Minimum	2,100

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/8	3,800	LV
			11/8 ~ 11/9	2,500	
			11/9 ~ 11/10	2,800	
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25	3,300	LV
			10/25 ~ 10/26	3,300	
			10/26 ~ 10/27	5,100	
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24	2,700	LV
			10/24 ~ 10/25	2,700	
			10/25 ~ 10/26	2,300	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 11/28	2,900	LV
			11/28 ~ 11/29	4,300	
			11/29 ~ 11/30	3,000	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/7	4,300	LV
			11/7 ~ 11/8	4,200	
			11/8 ~ 11/9	2,500	
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/8	3,800	LV
			11/8 ~ 11/9	2,100	
			11/9 ~ 11/10	2,600	
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/7	3,600	LV
			11/7 ~ 11/8	4,600	
			11/8 ~ 11/9	2,900	
	8	Chichijima Island (Ogasawara Village)	11/11 ~ 11/12	2,900	LV
			11/12 ~ 11/13	2,900	
			11/13 ~ 11/14	3,200	
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24	2,300	LV
			10/24 ~ 10/25	2,100	
			10/25 ~ 10/26	2,300	
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/14	2,700	LV
			11/14 ~ 11/15	2,500	
			11/15 ~ 11/16	2,500	
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31	3,400	LV
			10/31 ~ 11/1	2,900	
			11/1 ~ 11/2	4,100	
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24	2,300	LV
			10/24 ~ 10/25	2,600	
			10/25 ~ 10/26	3,300	
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24	2,400	LV
			10/24 ~ 10/25	3,000	
			10/25 ~ 10/26	3,800	
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24	2,100	LV
			10/24 ~ 10/25	2,200	
			10/25 ~ 10/26	2,100	
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/7	4,100	LV
			11/7 ~ 11/8	3,300	
			11/8 ~ 11/9	2,900	
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28	3,500	LV
			11/28 ~ 11/29	4,200	
			11/29 ~ 11/30	3,300	
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/8	3,100	LV
			11/8 ~ 11/9	3,400	
			11/9 ~ 11/10	3,000	
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14	2,500	LV
			11/14 ~ 11/15	2,400	
			11/15 ~ 11/16	2,400	
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14	3,000	LV
			11/14 ~ 11/15	2,500	
			11/15 ~ 11/16	3,400	
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14	2,600	LV
			11/14 ~ 11/15	2,500	
			11/15 ~ 11/16	2,500	

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31	2,200	LV
			10/31 ~ 11/1	2,200	
			11/1 ~ 11/2	2,700	
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15	2,400	LV
			11/15 ~ 11/16	2,500	
			11/16 ~ 11/17	2,700	
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28	3,600	LV
			11/28 ~ 11/29	4,700	
			11/29 ~ 11/30	4,700	
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18	3,800	LV
			10/18 ~ 10/19	3,100	
			10/19 ~ 10/20	3,500	
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24	2,400	LV
			10/24 ~ 10/25	3,300	
			10/25 ~ 10/26	6,500	
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/18	4,500	LV
			10/18 ~ 10/19	3,500	
			10/19 ~ 10/20	2,900	
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/18	4,300	LV
			10/18 ~ 10/19	3,200	
			10/19 ~ 10/20	3,000	
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28	4,300	LV
			11/28 ~ 11/29	5,700	
			11/29 ~ 11/30	5,900	
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/7	4,500	LV
			11/7 ~ 11/8	3,000	
			11/8 ~ 11/9	2,800	
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31	2,300	LV
			10/31 ~ 11/1	2,500	
			11/1 ~ 11/2	3,100	
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 10/31	2,500	LV
			10/31 ~ 11/1	3,800	
			11/1 ~ 11/2	3,600	
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24	3,000	LV
			10/24 ~ 10/25	3,200	
			10/25 ~ 10/26	4,700	
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/8	3,300	LV
			11/8 ~ 11/9	2,900	
			11/9 ~ 11/10	3,000	
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31	2,700	LV
			10/31 ~ 11/1	2,800	
			11/1 ~ 11/2	2,900	
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31	3,000	LV
			10/31 ~ 11/1	2,500	
			11/1 ~ 11/2	2,500	

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

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

(Note 3) LV: Low volume air sampler

[23] Short-chain chlorinated paraffins/air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 30/35 (Missing value : 0)
Detection Frequency (sample) : 30/35 (Missing value : 0)
Detection limit : *600
Quantification limit : *1,700

	Aggregated value
Geometric mean	tr(800)
Median	tr(800)
Maximum	2,700
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(600)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(600)	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(1,000)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	tr(1,000)	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(1,400)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	2,700	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(900)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(1,200)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(800)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(700)	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(600)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(900)	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(600)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2,400	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(900)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(800)	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(1,000)	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(800)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(1,100)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(800)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	tr(800)	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(900)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(700)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(600)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(1,000)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	2,300	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(1,000)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(700)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(1,100)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(800)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

(Note 6) * : Indicates the sum value of the Quantification [Detection] limits of each substance with the same number of carbons in the alkyl group.

[23-1] Chlorinated decanes/air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 40
Quantification limit : 140

	Aggregated value
Geometric mean	210
Median	190
Maximum	940
Minimum	tr(80)

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(100)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	tr(110)	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	170	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	tr(90)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	260	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	240	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	400	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	940	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	180	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	330	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	190	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	230	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(130)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	290	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(130)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	880	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	280	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	tr(80)	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	170	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	280	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	210	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	230	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	160	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	270	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	340	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	190	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	160	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	190	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	430	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	200	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	150	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(80)	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	190	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	230	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	150	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 33/35 (Missing value : 0)
Detection Frequency (sample) : 33/35 (Missing value : 0)
Detection limit : 190
Quantification limit : 550

	Aggregated value
Geometric mean	tr(320)
Median	tr(290)
Maximum	1,300
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(190)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25	nd	HV
			10/25 ~ 10/26		
			10/26 ~ 10/27		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24	tr(220)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	tr(230)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(290)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	560	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	590	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	1,000	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24	tr(390)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(390)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31	tr(280)	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24	tr(270)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24	tr(240)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24	tr(300)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	tr(280)	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28	830	HV
			11/28 ~ 11/29		
			11/29 ~ 11/30		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(380)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14	tr(200)	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14	tr(240)	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14	tr(450)	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(300)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(340)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(240)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	tr(290)	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(300)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	tr(290)	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	tr(280)	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(290)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	1,300	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(410)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	tr(310)	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(210)	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(430)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(320)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

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

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

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) tr : Detection limit value and more, less than Quantification limit value.

(Note 5) nd : Not detected

[23-3] Chlorinated dodecanes/air (pg/m^3)

Monitored year : 2023
Detection Frequency (site) : 18/35 (Missing value : 0)
Detection Frequency (sample) : 18/35 (Missing value : 0)
Detection limit : 210
Quantification limit : 630

	Aggregated value
Geometric mean	nd
Median	tr(210)
Maximum	tr(520)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	tr(240)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25	nd	HV
			10/25 ~ 10/26		
			10/26 ~ 10/27		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24	nd	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	tr(290)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(210)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	tr(500)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24	nd	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(320)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31	nd	HV
			10/31 ~ 11/1		
			11/1 ~ 11/2		
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24	nd	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24	nd	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24	tr(260)	HV
			10/24 ~ 10/25		
			10/25 ~ 10/26		
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28	tr(520)	HV
			11/28 ~ 11/29		
			11/29 ~ 11/30		
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	tr(230)	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14	nd	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14	tr(250)	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14	tr(210)	HV
			11/14 ~ 11/15		
			11/15 ~ 11/16		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(330)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(260)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	tr(240)	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(230)	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(310)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(280)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(310)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(310)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 15/35 (Missing value : 0)
Detection Frequency (sample) : 15/35 (Missing value : 0)
Detection limit : 130
Quantification limit : 400

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(250)
Minimum	nd

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	nd	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	nd	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	nd	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	nd	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	tr(220)	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	tr(220)	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(140)	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	tr(160)	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(230)	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	tr(130)	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	nd	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(190)	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	nd	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	nd	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(170)	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	tr(160)	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(150)	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	nd	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	nd	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	nd	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	tr(160)	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	tr(250)	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(130)	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	nd	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	nd	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	tr(180)	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	tr(170)	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	nd	HV

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).
Detection frequency (sample) is based on the number of samples, thus means (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/m^3)

Monitored year : 2023
Detection Frequency (site) : 35/35 (Missing value : 0)
Detection Frequency (sample) : 35/35 (Missing value : 0)
Detection limit : 0.2
Quantification limit : 0.5

	Aggregated value
Geometric mean	2.4
Median	2.1
Maximum	5.6
Minimum	0.8

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	11/7 ~ 11/14	5.2	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	10/24 ~ 10/25 10/25 ~ 10/26 10/26 ~ 10/27	1.6	HV
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.6	HV
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	11/27 ~ 12/4	5.1	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	11/6 ~ 11/13	5.3	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	11/7 ~ 11/14	5.2	MV
Tokyo Met.	7	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	11/6 ~ 11/13	4.4	MV
	8	Chichijima Island (Ogasawara Village)	11/8 ~ 11/15	5.3	MV
Kanagawa Pref.	9	Kanagawa Environmental Research Center (Hiratsuka City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.0	HV
Yokohama City	10	Yokohama Environmental Science Research Institute (Yokohama City)	11/13 ~ 11/20	3.9	MV
Niigata Pref.	11	Oyama Air Quality Monitoring Station (Niigata City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.5	HV
Toyama Pref.	12	Tonami Air Quality Monitoring Station (Tonami City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.9	HV
Ishikawa Pref.	13	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.4	HV
Yamanashi Pref.	14	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	0.8	HV
Nagano Pref.	15	Nagano Environmental Conservation Research Institute (Nagano City)	11/6 ~ 11/13	5.1	MV
Gifu Pref.	16	Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	1.4	HV
Nagoya City	17	Chikusa Ward Heiwa Park (Nagoya City)	11/7 ~ 11/14	4.4	MV
Mie Pref.	18	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	1.6	HV
Kyoto Prif.	19	Kyoto Prefecture Joyo Senior High School (Joyo City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	1.7	HV
Osaka Pref.	19	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	11/13 ~ 11/14 11/14 ~ 11/15 11/15 ~ 11/16	2.3	HV

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	20	Hyogo Prefectural Environmental Research Center (Kobe City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.9	HV
Kobe City	21	Kobe City Institute of Health and Environmental Sciences (Kobe City)	11/14 ~ 11/15 11/15 ~ 11/16 11/16 ~ 11/17	2.1	HV
Nara Pref.	22	Tenri Air Quality Monitoring Station (Tenri City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	1.3	HV
Shimane Pref.	23	Oki National Acid Rain Observatory (Okinoshima Town)	10/17 ~ 10/18 10/18 ~ 10/19 10/19 ~ 10/20	1.4	HV
Hiroshima City	24	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.0	HV
Yamaguchi Pref.	25	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	10/17 ~ 10/24	4.9	MV
	26	Hagi Health and Welfare Center (Hagi City)	10/17 ~ 10/24	5.6	MV
Tokushima Pref.	27	Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City)	11/27 ~ 11/28 11/28 ~ 11/29 11/29 ~ 11/30	2.1	HV
Kagawa Pref.	28	Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City)	11/6 ~ 11/13	5.6	MV
Ehime Pref.	29	Ehime Prefectural Government Nanyo Regional Office (Uwajima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.2	HV
Saga Pref.	31	Saga Prefectural Environmental Research Center (Saga City)	10/30 ~ 11/6	5.0	MV
Kumamoto Pref.	32	Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)	10/23 ~ 10/24 10/24 ~ 10/25 10/25 ~ 10/26	1.0	HV
Miyazaki Pref.	33	Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)	11/7 ~ 11/14	4.7	MV
Kagoshima Pref.	34	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	1.1	HV
Okinawa Pref.	35	Cape Hedo (Kunigami Village)	10/30 ~ 10/31 10/31 ~ 11/1 11/1 ~ 11/2	2.8	HV

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