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

Monitored year: 2020

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

Detection limit: *6 Quantification limit: *19

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

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

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

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

 $\begin{aligned} & \text{Detection Frequency (site)}: 43/46 \text{ (Missing value}: 0) \\ & \text{Detection Frequency (sample)}: 43/46 \text{ (Missing value}: 0) \end{aligned}$

Detection limit : 0.1 Quantification limit : 0.4

	Aggregated value
Geometric mean	0.8
Median	0.6
Maximum	39
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.2)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	0.5
Akita Pref.	4	Lake Hachiro	tr(0.2)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.2)
Fukushima Pref.	6	Onahama Port	5.0
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	0.5
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	0.7
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	4.5
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	1.1
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.9
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	2.2
	13	Mouth of Riv. Sumida (Minato Ward)	1.2
Yokohama City	14	Yokohama Port	1.0
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.1)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	30
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.3)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	39
Nagano Pref.	19	Lake Suwa (center)	tr(0.3)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.3)
Aichi Pref.	21	Nagoya Port	2.0
Mie Pref.	22	Yokkaichi Port	tr(0.3)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.7
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	2.4
Osaka City	26	Osaka Port	0.9
Hyogo Pref.	27	Offshore of Himeji	1.7
Kobe City	28	Kobe Port (center)	2.4
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	0.6
Okayama Pref.	30	Offshore of Mizushima	0.6
Hiroshima Pref.	31	Kure Port	0.6
	32	Hiroshima Bay	0.8
Yamaguchi Pref.	33	Tokuyama Bay	3.1
	34	Offshore of Ube	2.1
	35	E	0.5
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	0.4
Kagawa Pref.	37	Takamatsu Port	0.6
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	3.4
Saga Pref.		Imari Bay	tr(0.3)
Nagasaki Pref.	41	Omura Bay	1.0
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	1.3
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	tr(0.1)
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.1)
01: 7.0	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	2.0

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.7 Quantification limit : 1.8

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 4

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	17
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	6
Akita Pref.	4	Lake Hachiro	tr(1)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(1)
Fukushima Pref.	6	Onahama Port	16
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	16
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	50
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	90
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	120
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	61
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	340
	13	Mouth of Riv. Sumida (Minato Ward)	390
Yokohama City	14	Yokohama Port	100
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	4
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	150
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2,200
Nagano Pref.	19	Lake Suwa (center)	5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	160
Mie Pref.	22	Yokkaichi Port	47
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(2)
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	270
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	64
Osaka City	26	Osaka Port	280
Hyogo Pref.	27	Offshore of Himeji	20
Kobe City	28	Kobe Port (center)	220
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	17
Okayama Pref.	30	Offshore of Mizushima	7
Hiroshima Pref.	31	Kure Port	21
	32	Hiroshima Bay	11
Yamaguchi Pref.	33	Tokuyama Bay	4
	34	Offshore of Ube	tr(3)
	35	E	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	4
Kagawa Pref.	37	Takamatsu Port	270
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	330
Saga Pref.		Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	19
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	130

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.3 Quantification limit : 0.8

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.3 Quantification limit: 0.8

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.3)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	tr(0.3)
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.5)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3.8
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	0.9
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(0.4)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	6.2
	13	Mouth of Riv. Sumida (Minato Ward)	3.9
Yokohama City	14	Yokohama Port	0.9
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.3)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	1.1
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	0.9
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1.5
Mie Pref.	22	Yokkaichi Port	tr(0.7)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	5.2
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	0.9
Osaka City	26	Osaka Port	14
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	1.5
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.4)
Okayama Pref.	30	Offshore of Mizushima	tr(0.3)
Hiroshima Pref.	31	Kure Port	tr(0.3)
	32	Hiroshima Bay	tr(0.4)
Yamaguchi Pref.	33	Tokuyama Bay	nd
-	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	2.4
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	8.8
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	tr(0.6)
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
-	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	tr(0.7)

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.3 Quantification limit : 0.8

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.8
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	13
Median	15
Maximum	620
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	30
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	7
Akita Pref.	4	Lake Hachiro	14
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	10
Fukushima Pref.	6	Onahama Port	10
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	10
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	16
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	260
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	38
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	19
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	160
	13	Mouth of Riv. Sumida (Minato Ward)	190
Yokohama City	14	Yokohama Port	69
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	33
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	620
Nagano Pref.	19	Lake Suwa (center)	12
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	81
Mie Pref.	22	Yokkaichi Port	66
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	9
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	310
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	62
Osaka City	26	Osaka Port	280
Hyogo Pref.	27	Offshore of Himeji	11
Kobe City	28	Kobe Port (center)	180
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	21
Okayama Pref.	30	Offshore of Mizushima	tr(1)
Hiroshima Pref.	31	Kure Port	40
	32	Hiroshima Bay	34
Yamaguchi Pref.	33	Tokuyama Bay	tr(1)
	34	Offshore of Ube	nd
	35	E	nd
Tokushima Pref.	36	\$7	nd
Kagawa Pref.	37	Takamatsu Port	76
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	440
Saga Pref.		Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	23
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	tr(2)
Okinawa Pref.	46	Naha Port	120

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	tr(1)
Median	tr(1)
Maximum	27
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	3
Median	3
Maximum	58
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	8
Median	8
Maximum	190
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	3
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	3
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14		nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		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. Shizuoka Pref.	19	Lake Suwa (center)	nd
Aichi Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(2)
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	tr(1)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(1)
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
Ol: D 0	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

	Aggregated value
Geometric mean	2.2
Median	1.6
Maximum	100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	1.6
Akita Pref.	4	Lake Hachiro	1.8
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(0.4)
Fukushima Pref.	6	Onahama Port	1.2
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(0.5)
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.6)
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	39
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	tr(0.8)
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	1.5
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	14
	13	Mouth of Riv. Sumida (Minato Ward)	12
Yokohama City	14	Yokohama Port	14
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	tr(0.8)
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	7.2
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	3.3
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	6.3
Mie Pref.	22	Yokkaichi Port	6.5
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	32
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	50
Osaka City	26	Osaka Port	34
Hyogo Pref.	27	Offshore of Himeji	2.0
Kobe City	28	Kobe Port (center)	76
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.6
Okayama Pref.	30	Offshore of Mizushima	1.7
Hiroshima Pref.	31	Kure Port	22
	32	Hiroshima Bay	6.5
Yamaguchi Pref.	33	Tokuyama Bay	1.6
	34	Offshore of Ube	1.4
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	8.8
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	46
Saga Pref.	40	Imari Bay	1.2
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	2.7
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	tr(0.4)
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	100

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.6)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	tr(0.4)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	6.1
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	2.3
	13	Mouth of Riv. Sumida (Minato Ward)	1.5
Yokohama City	14	Yokohama Port	1.6
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	tr(0.8)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	tr(0.6)
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	1.0
Mie Pref.	22	Yokkaichi Port	tr(0.9)
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	4.8
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	4.5
Osaka City	26	Osaka Port	4.0
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	6.9
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(0.6)
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	2.1
	32	Hiroshima Bay	tr(0.9)
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	1.4
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	4.4
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	9.9

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.6 Quantification limit : 1.5

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	18
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	6.0
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	1.5
•	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	tr(0.7)
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.		Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	2.8
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	11
Osaka City	26	Osaka Port	4.5
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	11
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	2.8
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	6.2
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
Č	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	18

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	4.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	4.6
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(0.5)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	tr(0.6)
Osaka City	26	Osaka Port	tr(0.4)
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(0.4)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	tr(0.7)
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	E	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	tr(0.4)
Saga Pref.		Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	1.7

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.8 Quantification limit : 2.2

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	7.6
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	6.4
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(1.6)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	tr(1.5)
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	tr(2.1)
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	7.6
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.8 Quantification limit : 2.0

	Aggregated value
Geometric mean	7.9
Median	6.1
Maximum	600
Minimum	2.7

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

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

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

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

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

Monitored year: 2020

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

Detection limit: *8

Quantification limit: *18

	Aggregated value
Geometric mean	37
Median	30
Maximum	350
Minimum	nd

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

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

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 5

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	8
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(4)
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	13
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	34
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	89
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	40
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	49
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	23
	13	Mouth of Riv. Sumida (Minato Ward)	25
Yokohama City	14	Yokohama Port	15
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	12
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	9
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	73
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9
Nagano Pref.	19	Lake Suwa (center)	7
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5
Aichi Pref.	21	Nagoya Port	13
Mie Pref.	22	Yokkaichi Port	11
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	94
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	97
Osaka City	26	Osaka Port	81
Hyogo Pref.	27	Offshore of Himeji	5
Kobe City	28	Kobe Port (center)	16
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	17
Okayama Pref.	30	Offshore of Mizushima	5
Hiroshima Pref.	31	Kure Port	6
		Hiroshima Bay	7
Yamaguchi Pref.		Tokuyama Bay	5
		Offshore of Ube	tr(4)
		Offshore of Hagi	tr(2)
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	6
Kagawa Pref.	37	Takamatsu Port	79
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	7
Kitakyushu City	39	Dokai Bay	9
Saga Pref.		Imari Bay	tr(4)
Nagasaki Pref.	41	Omura Bay	tr(4)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	26
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	12
Kagoshima Pref.		Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	12
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	12
Okinawa Pref.	46	Naha Port	120

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 4

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	11
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	4
Akita Pref.	4	Lake Hachiro	4
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	4
Fukushima Pref.	6	Onahama Port	7
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	28
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	66
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	26
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	43
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	17
•	13	Mouth of Riv. Sumida (Minato Ward)	18
Yokohama City	14	Yokohama Port	8
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	6
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	65
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	5
Nagano Pref.	19	Lake Suwa (center)	4
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(3)
Aichi Pref.	21	Nagoya Port	12
Mie Pref.	22	Yokkaichi Port	9
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	6
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	83
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	75
Osaka City	26	Osaka Port	64
Hyogo Pref.	27	Offshore of Himeji	5
Kobe City	28	Kobe Port (center)	19
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	14
Okayama Pref.	30	Offshore of Mizushima	4
Hiroshima Pref.	31	Kure Port	6
	32	Hiroshima Bay	7
Yamaguchi Pref.	33	Tokuyama Bay	6
	34	Offshore of Ube	4
	35	Offshore of Hagi	tr(3)
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	6
Kagawa Pref.	37	Takamatsu Port	57
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	6
Kitakyushu City	39	Dokai Bay	9
Saga Pref.	40	Imari Bay	4
Nagasaki Pref.	41	Omura Bay	tr(3)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	23
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	11
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	10
Okinawa Pref.	46	Naha Port	98

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	tr(1)
Median	nd
Maximum	8
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.5 Quantification limit : 1.3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 5

	Aggregated value
Geometric mean	9
Median	8
Maximum	95
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(4)
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	tr(3)
Akita Pref.	4	Lake Hachiro	tr(3)
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	tr(4)
Fukushima Pref.	6	Onahama Port	6
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	9
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	25
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	95
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	27
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	28
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	18
	13	Mouth of Riv. Sumida (Minato Ward)	15
Yokohama City	14	Yokohama Port	9
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	8
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	7
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	46
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	7
Nagano Pref.	19	Lake Suwa (center)	5
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	5
Aichi Pref.	21	Nagoya Port	10
Mie Pref.	22	Yokkaichi Port	9
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	tr(4)
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	64
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	62
Osaka City	26	Osaka Port	47
Hyogo Pref.	27	Offshore of Himeji	tr(4)
Kobe City	28	Kobe Port (center)	13
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	14
Okayama Pref.	30	Offshore of Mizushima	tr(3)
Hiroshima Pref.	31	Kure Port	tr(4)
	32	Hiroshima Bay	6
Yamaguchi Pref.	33	Tokuyama Bay	tr(4)
	34	Offshore of Ube	tr(3)
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	5
Kagawa Pref.	37	Takamatsu Port	62
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	6
Kitakyushu City	39	Dokai Bay	6
Saga Pref.	40	Imari Bay	tr(3)
Nagasaki Pref.	41	Omura Bay	tr(3)
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	22
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	10
-	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	11
Okinawa Pref.	46	Naha Port	85

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

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

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

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

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

Monitored year: 2020

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

Detection limit: *3

Quantification limit: *7

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

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

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

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(1)
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(2)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City			nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	tr(1)
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City Osaka Pref.	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	tr(1)
Osaka Fiel. Osaka City	26	Mouth of Riv. Yamato (Sakai City) Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd nd
Kobe City	28	Kobe Port (center)	tr(2)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.		Kure Port	nd
111105111111111111111111111111111111111	_	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.9 Quantification limit: 2.3

	Aggregated value
Geometric mean	4.0
Median	3.4
Maximum	36
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.7 Quantification limit : 1.9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City			nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	nd
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.		Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
011 7 2	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

Monitored year: 2020

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

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

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

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

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

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

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

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

Monitored year: 2020

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

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 40 Quantification limit : 100

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	490
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		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.		Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
	34	Offshore of Ube	490
	35	Offshore of Hagi	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	nd
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

Monitored year: 2020

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

Detection limit: *1,000 Quantification limit: *2,500

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

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

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

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

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

Detection limit : 200 Quantification limit : 400

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 300 Quantification limit : 900

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	tr(470)
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	tr(440)
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	2,400
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	nd
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	nd
_	34	Offshore of Ube	nd
	35		nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	37	Takamatsu Port	nd
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	970
Saga Pref.	40	Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.		Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
5	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 300 Quantification limit : 700

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 200 Quantification limit : 500

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
Iwate Pref.	2	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	3	Sendai Bay (Matsushima Bay)	nd
Akita Pref.	4	Lake Hachiro	nd
Yamagata Pref.	5	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	6	Onahama Port	nd
Ibaraki Pref.	7	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	890
Tochigi Pref.	8	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Gunma Pref.	9	Tone-ozeki Weir, Riv. Tone (Chiyoda Town)	nd
Saitama Pref.	10	Akigase-shusuizeki Weir, Riv. Arakawa (Shiki City)	nd
Chiba City	11	Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	12	Mouth of Riv. Arakawa (Koto Ward)	nd
	13	Mouth of Riv. Sumida (Minato Ward)	2,000
Yokohama City	14	Yokohama Port	nd
Niigata Pref.	15	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	16	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	17	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	18	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Nagano Pref.	19	Lake Suwa (center)	nd
Shizuoka Pref.	20	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	21	Nagoya Port	nd
Mie Pref.	22	Yokkaichi Port	nd
Shiga Pref.	23	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	24	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	nd
Osaka Pref.	25	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	26	Osaka Port	nd
Hyogo Pref.	27	Offshore of Himeji	nd
Kobe City	28	Kobe Port (center)	tr(210)
Wakayama Pref.	29	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	30	Offshore of Mizushima	nd
Hiroshima Pref.	31	Kure Port	nd
	32	Hiroshima Bay	nd
Yamaguchi Pref.	33	Tokuyama Bay	tr(350)
	34	Offshore of Ube	tr(260)
	35	E	nd
Tokushima Pref.	36	Mouth of Riv. Yoshino (Tokushima City)	tr(200)
Kagawa Pref.	37	Takamatsu Port	tr(380)
Kochi Pref.	38	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	39	Dokai Bay	750
Saga Pref.		Imari Bay	nd
Nagasaki Pref.	41	Omura Bay	nd
Kumamoto Pref.	42	Hiraki-bashi Bridge, Riv. Midori (Uto City)	nd
Miyazaki Pref.	43	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	44	Shinkawa-bashi Bridge, Riv. Amori (Kirishima City)	nd
	45	Gotanda-bashi Bridge, Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	46	Naha Port	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 5 Quantification limit : 13

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	30
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 20 Quantification limit : 60

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: *3.1 Quantification limit: *8.2

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

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

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

Monitored year: 2020

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

Detection limit : 0.1 Quantification limit : 0.4

	Aggregated value
Geometric mean	20
Median	34
Maximum	950
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.3
11011111111	2	Tomakomai Port	32
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	53
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.1)
Akita Pref.	6	Lake Hachiro	12
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.0
Fukushima Pref.	8	Onahama Port	310
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	17
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	1.2
Chiba Pref.		Coast of Ichihara and Anegasaki	35
Chiba City		Mouth of Riv. Hanami (Chiba City)	0.7
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	210
Tokyo Wici.		Mouth of Riv. Sumida (Minato Ward)	500
Yokohama City		Yokohama Port	270
Niigata Pref.		Lower Riv. Shinano (Niigata City)	1.3
•			
Toyama Pref. Ishikawa Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	100 5.5
		Mouth of Riv. Sai (Kanazawa City)	
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	9.3
Yamanashi Pref.	20	87 ()/	0.5
Nagano Pref.	21	Lake Suwa (center)	31
Shizuoka Pref.	22		53
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	0.7
Aichi Pref.	24		42
		Nagoya Port	110
Mie Pref.		Yokkaichi Port	110
	27	Toba Port	48
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	32
		Lake Biwa (center, offshore of Karasaki)	60
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	110
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	78
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	150
	34	Mouth of Riv. Yodo (Osaka City)	170
	_	Osaka Port	950
		Outside Osaka Port	640
Hyogo Pref.	36	Offshore of Himeji	100
Kobe City	37	Kobe Port (center)	220
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.2
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	250
Okayama Pref.	40	Offshore of Mizushima	25
Hiroshima Pref.	41	Kure Port	84
	42	Hiroshima Bay	71
Yamaguchi Pref.	43	Tokuyama Bay	32
	44	Offshore of Ube	30
	45	Offshore of Hagi	7.1
Tokushima Pref.	46		2.0
Kagawa Pref.	47	Takamatsu Port	75
Ehime Pref.	48		3.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	2.2
Kitakyushu City	50	Dokai Bay	640
Fukuoka City	51	Hakata Bay	45
Saga Pref.	52	Imari Bay	33
Nagasaki Pref.		Omura Bay	46
Oita Pref.		Mouth of Riv. Oita (Oita City)	6.4
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	0.5
Kagoshima Pref.		Riv. Amori (Kirishima City)	0.4
	57	Riv. Gotanda (Ichikikushikino City)	0.4
Okinawa Pref.		Naha Port	100
		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.

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

Monitored year: 2020

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

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

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

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

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

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

Monitored year: 2020

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

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	170
	2	Tomakomai Port	980
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4.5
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	370
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	14
Akita Pref.	6	Lake Hachiro	140
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	99
Fukushima Pref.	8	Onahama Port	7,200
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	410
Tochigi Pref.	10	8 7 7	130
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2,200
Chiba City		Mouth of Riv. Hanami (Chiba City)	38
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	22,000
	14	Mouth of Riv. Sumida (Minato Ward)	33,000
Yokohama City	15	Yokohama Port	5,800
Niigata Pref.		Lower Riv. Shinano (Niigata City)	61
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	140
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	1,100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	300
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	9.7
Nagano Pref.	21	Lake Suwa (center)	470
Shizuoka Pref.	22	Shimizu Port	3,500
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	19
Aichi Pref.		Kinuura Port	1,200
		Nagoya Port	6,700
Mie Pref.	26	Yokkaichi Port	9,000
	27	Toba Port	930
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	680
		Lake Biwa (center, offshore of Karasaki)	2,000
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	4,000
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	1,600
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	8,700
		Mouth of Riv. Yodo (Osaka City)	16,000
	32	Osaka Port	90,000
	33	Outside Osaka Port	33,000
Hyogo Pref.		Offshore of Himeji	2,400
Kobe City	37	Kobe Port (center)	13,000
Nara Pref.	38	87 (3 7	40
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	900
Okayama Pref.		Offshore of Mizushima	280
Hiroshima Pref.		Kure Port	4,100
		Hiroshima Bay	2,100
Yamaguchi Pref.		Tokuyama Bay	350
		Offshore of Ube	520
	45	Offshore of Hagi	94
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	54
Kagawa Pref.	47	Takamatsu Port	12,000
Ehime Pref.	48	Niihama Port	65
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	50	Dokai Bay	41,000
Fukuoka City	51	Hakata Bay	1,300
Saga Pref.	52	Imari Bay	860
Nagasaki Pref.	53	Omura Bay	900
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	300
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	5.9
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	6.5
	57	Riv. Gotanda (Ichikikushikino City)	6.0
Okinawa Pref.	58	Naha Port	4,400

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

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

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

Monitored year: 2020

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

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	240
HOKKAIGO	2	Tomakomai Port	1,900
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	20
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	620
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	28
Akita Pref.	6	Lake Hachiro	390
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	190
Fukushima Pref.	8		
	9	Onahama Port	7,800
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	840
Tochigi Pref.	10		110
Chiba Pref.	11	Coast of Ichihara and Anegasaki	4,500
Chiba City		Mouth of Riv. Hanami (Chiba City)	65
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	31,000
		Mouth of Riv. Sumida (Minato Ward)	63,000
Yokohama City	15		13,000
Niigata Pref.		Lower Riv. Shinano (Niigata City)	92
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	320
Ishikawa Pref.	_	Mouth of Riv. Sai (Kanazawa City)	1,800
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1,200
Yamanashi Pref.	20	(19
Nagano Pref.	21	Lake Suwa (center)	1,200
Shizuoka Pref.	22	Shimizu Port	3,700
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	25
Aichi Pref.	24	Kinuura Port	1,800
	25	Nagoya Port	8,300
Mie Pref.	26	Yokkaichi Port	11,000
	27	Toba Port	2,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,400
		Lake Biwa (center, offshore of Karasaki)	3,000
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2,900
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	2,500
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	14,000
		Mouth of Riv. Yodo (Osaka City)	23,000
		Osaka Port	140,000
		Outside Osaka Port	39,000
Hyogo Pref.		Offshore of Himeji	2,600
Kobe City		Kobe Port (center)	23,000
Nara Pref.	38		150
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1,500
Okayama Pref.		Offshore of Mizushima	310
Hiroshima Pref.	41	Kure Port	9,100
Timosiiiiia Tiei.		Hiroshima Bay	2,800
Yamaguchi Pref.	43	y .	520
I diliuguelli I ici.	_	Offshore of Ube	860
		Offshore of Hagi	150
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	110
Kagawa Pref.	47	Takamatsu Port	14,000
Ehime Pref.		Niihama Port	82
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	52
Kitakyushu City	50	Dokai Bay	110,000
Fukuoka City		Hakata Bay	2,100
Saga Pref.	52	Imari Bay	1,000
Nagasaki Pref.	53	Omura Bay	1,600
		· ·	
Oita Pref.		Mouth of Riv. Orada (Miyaraki City)	260
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	5.6
Kagoshima Pref.		Riv. Amori (Kirishima City)	5.9
01: 7.0		Riv. Gotanda (Ichikikushikino City)	8.7
Okinawa Pref.	58	Naha Port	9,800

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.3 \\ & \text{Quantification limit}: 0.8 \end{aligned}$

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	4.1
110111111111	2	Tomakomai Port	29
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	1.2
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	14
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.6)
Akita Pref.	6	Lake Hachiro	14
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.6
Fukushima Pref.	8	Onahama Port	140
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	16
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	2.7
Chiba Pref.		Coast of Ichihara and Anegasaki	91
Chiba City		Mouth of Riv. Hanami (Chiba City)	1.3
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	550
Tokyo Wici.		Mouth of Riv. Atanawa (Roto Ward) Mouth of Riv. Sumida (Minato Ward)	1,600
Yokohama City		Yokohama Port	160
Niigata Pref.		Lower Riv. Shinano (Niigata City)	2.4
-			
Toyama Pref. Ishikawa Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) Mouth of Riv. Sai (Kanazawa City)	4.5
			1.2
Fukui Pref. Yamanashi Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City) Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	
	-	Lake Suwa (center)	tr(0.5)
Nagano Pref.	21		38
Shizuoka Pref.	22		
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.5)
Aichi Pref.	24		38
) (; P 0		Nagoya Port	85
Mie Pref.		Yokkaichi Port	150
CI. D. C	27	Toba Port	31
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	46
** ~.		Lake Biwa (center, offshore of Karasaki)	140
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	36
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	54
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	260
		Mouth of Riv. Yodo (Osaka City)	470
		Osaka Port	2,500
		Outside Osaka Port	630
Hyogo Pref.		Offshore of Himeji	180
Kobe City		Kobe Port (center)	380
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.8
Wakayama Pref.	_	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	230
Okayama Pref.	40		8.1
Hiroshima Pref.		Kure Port	120
		Hiroshima Bay	51
Yamaguchi Pref.	43	Tokuyama Bay	12
		Offshore of Ube	15
	45	8	3.4
Tokushima Pref.	46	()/	2.2
Kagawa Pref.	47	Takamatsu Port	260
Ehime Pref.	48		1.9
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	1.5
Kitakyushu City		Dokai Bay	1,400
Fukuoka City	51	Hakata Bay	41
Saga Pref.	52	Imari Bay	22
Nagasaki Pref.		Omura Bay	48
Oita Pref.		Mouth of Riv. Oita (Oita City)	3.2
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	58	Naha Port	69

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.3 Quantification limit: 0.8

	Aggregated value
Geometric mean	2.1
Median	2.6
Maximum	150
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.5)
Hokkaldo	2	Tomakomai Port	2.6
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	1.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.7)
Fukushima Pref.	8	Onahama Port	11
Ibaraki Pref.	9		1.6
	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	
Tochigi Pref.	10	8 7 () 7/	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	5.6
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	24
***		Mouth of Riv. Sumida (Minato Ward)	55
Yokohama City	15		17
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.5)
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	1.9
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	3.0
Shizuoka Pref.	22	Shimizu Port	5.1
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	2.5
	25	Nagoya Port	6.2
Mie Pref.	26	Yokkaichi Port	11
		Toba Port	3.8
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	4.3
	29	Lake Biwa (center, offshore of Karasaki)	10
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	3.3
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	5.0
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	29
	34	Mouth of Riv. Yodo (Osaka City)	34
	32	Osaka Port	150
	33	Outside Osaka Port	31
Hyogo Pref.	36	Offshore of Himeji	4.8
Kobe City	37	Kobe Port (center)	30
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	4.1
Okayama Pref.		Offshore of Mizushima	tr(0.6)
Hiroshima Pref.	41	Kure Port	20
		Hiroshima Bay	5.1
Yamaguchi Pref.	43	, and the second	1.1
<i>3</i>	_	Offshore of Ube	1.5
		Offshore of Hagi	tr(0.3)
Tokushima Pref.	46		tr(0.3)
Kagawa Pref.	47	Takamatsu Port	20
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	97
Fukuoka City		Hakata Bay	3.7
Saga Pref.	52	Imari Bay	1.8
Nagasaki Pref.	53	Omura Bay	2.9
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Kagosiiiiid Ffei.		Riv. Amori (Kirisnima City) Riv. Gotanda (Ichikikushikino City)	nd
Okinovya Draf			
Okinawa Pref.	58	Naha Port	36

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

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

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

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

Monitored year: 2020

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

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

Hokkaido	Local communities	No.	Monitored sites	Measured value
		1		
Instact Pref. 3 Toyosawa Bridge, Riv. Toyosawa (Hanamaki City) 50	Hokkaldo	2		
Miyaga Pref. 4 Sendai Bay (Matsushima Bay) 690	Ivvata Duaf			
Sendia City Akita Pref. 6				
Akita Pref. 6 Lake Hachiro 1,000 370 7 370 3	, ,			
Yamagata Pref. Fukushima Pref. 8 Onahama Port 3,800				
Fukushima Pref. 8 Onahama Port 3,800 Salot				
Ibanaki Pref. 9				
Tochigi Pref. 10 Tagawa Kyubun Area Head Works (Utsunomiya City) 59				
Chiba Crity 12 Mouth of Riv. Hanami (Chiba City) 5.4				
Chiba City				
Tokyo Met.			Ü	
14 Mouth of Riv. Sumida (Minato Ward) 34,000 Yokohama City 15 Yokohama Port 12,000 Niigata Pref. 16 Lower Riv. Shinano (Niigata City) 92 Toyama Pref. 18 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) 1,100 Fukui Pref. 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 330 Yamanashi Pref. 20 Senshu-bashi Bridge, Riv. Arakawa (Kofu City) 38 Nagano Pref. 21 Lake Suwa (center) 1,700 Shizuoka Pref. 22 Shimizu Port 1,500 23 Kalestuka-bashi Bridge, Riv. Tenryu (Iwata City) 32 24 Kimuura Port 1,400 25 Nagoya Port 3,800 26 Wokaichi Port 6,200 27 Toba Port 6,200 28 Lake Biwa (center, offshore of Minamihira) 1,900 Shiga Pref. 28 Lake Biwa (center, offshore of Minamihira) 1,900 30 Saka Pref. 31 Mouth of Riv. Yamato (Saka City) 2,200 Osaka Pref. 31 Mouth of Riv. Yamato (Saka City) 2,200 Osaka Pref. 31 Mouth of Riv. Yamato (Saka City) 2,200 Divago Pref. 33 Osaka Port 2,000 Hyogo Pref. 36 Offshore of Himeji 2,100 Kobe City 37 Kobe Port (center) 31,000 Hyogo Pref. 36 Offshore of Minamihira 2,100 Kobe City 37 Kobe Port (center) 31,000 Wakayama Pref. 38 Taisho-bashi Bridge, Riv. Vamato (Gaka City) 3,200 Hyogo Pref. 37 Kobe Port (center) 31,000 Hyogo Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) 31,000 Wakayama Pref. 41 Kure Port 41 Kure Port 42 Hiroshima Bay 3,200 Yamaguchi Pref. 44 Offshore of Hugi 5,000 400 600 600 600 Ehime Pref. 45 Nikawa-hosshi Bridge, Mouth of Riv. Kinokawa (Wakayama City) 1,700 Cokayama Pref. 46 Mouth of Riv. Yoshino (Tokushima City) 1,500 Cokayama Pref. 47 Takamatsu Port 48 Kagoshima Pref. 48 Niihama Port 48 Kindawa Pref. 49 Nicawa-hosshi Bridge, Mouth of Riv. Kinokawa (Wakayama City) 1,500 Nagasaki Pref. 49 Oskaki Port 50 Oskaki Port 50 Oskaki P	,			
Vokohama City	Tokyo Met.		/	,
Niigata Pref. 16 Lower Riv. Shinano (Niigata City) 22 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) 1,100	V 1 1 G':			
Toyama Pref. 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) 240 Ishikawa Pref. 18 Mouth of Riv. Sai (Kanazawa City) 1,100 Fukui Pref. 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 330 Yamanashi Pref. 20 Senshu-bashi Bridge, Riv. Shono (Tsuruga City) 38 Nagano Pref. 21 Lake Suwa (center) 1,700 Shizuoka Pref. 22 Shimizu Port 1,500 Aichi Pref. 23 Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) 32 Aichi Pref. 24 Kimuura Port 1,400 Aichi Pref. 25 Nagoya Port 3,800 Mie Pref. 26 Yokkaichi Port 6,200 Shiga Pref. 28 Lake Biwa (center, offshore of Minamihira) 1,900 Shiga Pref. 28 Lake Biwa (center, offshore of Karasaki) 4,300 Kyoto City 30 Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) 2,200 Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) 2,200 Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) 2,200 Awayama Pref. 36 Offshore of Himeji 2,100 Kobe City 37 Kobe Port (center) 31,000 Kobe City 37 Kobe Port (center) 31,000 31,000 Wakayama Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) 310 Wakayama Pref. 41 Kure Port 41 Kure Port 42 Hiroshima Bay 720 720 Yamaguchi Pref. 43 Offshore of High 34 720 720 Tokushima Pref. 44 Kure Port 45 720 720 720 Sagas Pref. 47 Takamatu Port 48 Kure Port 48 Kure Port 48 Kure Port 49 Mouth of Riv. Yoshino (Tokushima City) 1,500 Sagas Pref. 49 Mouth of Riv. Shimanto (Shimanto City) 66 Miyazaki Pref. 45 Mouth of Riv. Oshina (Chikikushikino City) 1,500 Miyazaki Pref. 55 Mouth of Riv. Oshino (Tokushima City) 1,500 Miyazaki Pref. 55 Mouth of Riv. Oshino (Chica City) 1,300 Oshia Pref. 56 Riv. Amori (Kirishima City) 1,500 Miyazaki Pref. 57 Wouth of Riv. Oshino (City) 1,300 Miyazaki Pref. 56 Mouth of Riv. Oshino (City) 1,300 Miyazaki Pref. 56		-		
Ishikawa Pref. 18 Mouth of Riv. Sai (Kanzawa City) 330 Yamanashi Pref. 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 338 338 339	0			
Fukui Pref. 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 330 Yamanashi Pref. 20 Senshu-bashi Bridge, Riv. Arakawa (Kofu City) 38 Nagano Pref. 21 Lake Suwa (center) 1,700 Shizuoka Pref. 22 Shimizu Port 1,500 23 Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) 32 Aichi Pref. 24 Kimuura Port 1,400 25 Nagoya Port 3,800 Mie Pref. 26 Yokkaichi Port 6,200 27 Toba Port 4,600 Shiga Pref. 28 Lake Biwa (center, offshore of Minamihira) 4,600 Shiga Pref. 28 Lake Biwa (center, offshore of Karasaki) 4,300 Kyoto City 30 Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) 2,200 Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) 2,800 Osaka City 35 Kema-bashi Bridge, Riv. Ohawa (Osaka City) 14,000 32 Osaka Port 2,200 33 Mouth of Riv. Yodo (Osaka City) 20,000 Hyogo Pref. 36 Offshore of Himeji 2,100 Kobe City 37 Kobe Port (center) 31,000 Nara Pref. 38 Taisho-bashi Bridge, Riv. Ohawa (Osaka City) 310 Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) 1,700 Okayama Pref. 40 Offshore of Mizushima Bay 7,20 Yamaguchi Pref. 41 Kure Port 41 Hiroshima Bay 7,20 Yamaguchi Pref. 43 Offshore of Hagi 150 Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) 1,500 Saga Pref. 47 Takamatsu Port 48 Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) 66 Kitakyushu City 50 Dokai Bay 51,000 Sagashi Pref. 52 Imari Bay 9,60 Magasaki Pref. 53 Mouth of Riv. Otto (Otto City) 1,70 Magasaki Pref. 54 Mouth of Riv. Otto (Otto City) 1,70 Kagoshima Pref. 55 Mouth of Riv. Otto (Otto City) 1,70 Kagoshima Pref. 56 Riv. Amori (Kirishima City) 1,70 Kagoshima Pref. 56 Riv. Amori (Kirishima City) 1,300 Sagashi Pref. 55 Mouth of Riv. Otto (Otto City) 1,300 Mita Pref. 54 Mouth of Riv. Otto (Otto City) 1				
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	Kagoshima Pref.	56		6.2
		57	Riv. Gotanda (Ichikikushikino City)	13
Okinawa Pref. 58 Naha Port 11,000	Okinawa Pref.	58	Naha Port	11,000

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

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

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

Monitored year: 2020

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

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	20
	2	Tomakomai Port	90
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	4.0
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	46
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.6
Akita Pref.	6	Lake Hachiro	63
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	25
Fukushima Pref.	8	Onahama Port	300
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	55
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	4.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	220
Chiba City		Mouth of Riv. Hanami (Chiba City)	4.6
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	590
		Mouth of Riv. Sumida (Minato Ward)	1,600
Yokohama City	15	Yokohama Port	740
Niigata Pref.		Lower Riv. Shinano (Niigata City)	6.0
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	18
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	69
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.0
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	3.3
Nagano Pref.	21	Lake Suwa (center)	97
Shizuoka Pref.	22	Shimizu Port	140
4:1:D 0		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.8
Aichi Pref.	24		90
Mr. D. C		Nagoya Port	170
Mie Pref.		Yokkaichi Port	300
CI. D. C	27	Toba Port	160
Shiga Pref.		Lake Biwa (center, offshore of Minamihira) Lake Biwa (center, offshore of Karasaki)	150 370
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	94
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	210
Osaka Fier. Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	790
Osaka City		Mouth of Riv. Yodo (Osaka City)	960
		Osaka Port	4,700
		Outside Osaka Port	780
Hyogo Pref.		Offshore of Himeji	110
Kobe City		Kobe Port (center)	1,500
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	21
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	130
Okayama Pref.	40		14
Hiroshima Pref.		Kure Port	530
	42	Hiroshima Bay	140
Yamaguchi Pref.	43	Tokuyama Bay	22
_		Offshore of Ube	38
	45	Offshore of Hagi	9.3
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	11
Kagawa Pref.	47	Takamatsu Port	490
Ehime Pref.	48	Niihama Port	3.0
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	5.7
Kitakyushu City		Dokai Bay	4,100
Fukuoka City		Hakata Bay	120
Saga Pref.		Imari Bay	73
Nagasaki Pref.	53	ý.	99
Oita Pref.		Mouth of Riv. Oita (Oita City)	5.2
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	tr(0.9)
Kagoshima Pref.		Riv. Amori (Kirishima City)	tr(0.6)
		Riv. Gotanda (Ichikikushikino City)	1.1
Okinawa Pref.	58	Naha Port	400

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

	Aggregated value
Geometric mean	3.7
Median	5.1
Maximum	310
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.5
Hokkurdo	2	Tomakomai Port	7.9
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	3.9
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.4)
Akita Pref.	6	Lake Hachiro	3.9
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.7
Fukushima Pref.	8	Onahama Port	21
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4.0
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	11
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	43
		Mouth of Riv. Sumida (Minato Ward)	120
Yokohama City		Yokohama Port	51
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.4
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	5.1
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87 ()/	nd
Nagano Pref.	21	Lake Suwa (center)	6.4
Shizuoka Pref.	22	Shimizu Port	8.4
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	5.1
	25	Nagoya Port	11
Mie Pref.	26	Yokkaichi Port	16
		Toba Port	28
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	11
g		Lake Biwa (center, offshore of Karasaki)	26
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	6.0
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	14
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	57
Osaka City	34	Mouth of Riv. Yodo (Osaka City)	74
		Osaka Port	310
		Outside Osaka Port	48
Hyogo Pref.		Offshore of Himeji	5.6
Kobe City		Kobe Port (center)	75
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.5
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	9.9
Okavama Pref.		Offshore of Mizushima	
Hiroshima Pref.		Kure Port	nd
mirosiiina Piei.			17
Vome ou -1.: D C		Hiroshima Bay	6.1
Yamaguchi Pref.		Tokuyama Bay	tr(0.7)
		Offshore of Ube	2.8
T 1 1: 7 2	45	Offshore of Hagi	nd
Tokushima Pref.	46	· • • • • • • • • • • • • • • • • • • •	tr(0.7)
Kagawa Pref.	47	Takamatsu Port	36
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.4)
Kitakyushu City		Dokai Bay	310
Fukuoka City	51	Hakata Bay	6.5
Saga Pref.	52	Imari Bay	4.8
Nagasaki Pref.		Omura Bay	4.7
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
		B: G: 1 (7.13.3 13.1 G:)	
	57	Riv. Gotanda (Ichikikushikino City)	nd

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

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

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

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

Monitored year: 2020

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

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	45
Hokkaldo	2	Tomakomai Port	190
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	10
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	150
Sendai City		Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	130
Akita Pref.	6	Lake Hachiro	180
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	64
Fukushima Pref.	8	Onahama Port	660
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	130
			9.9
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City) Coast of Ichihara and Anegasaki	610
Chiba Pref. Chiba City			
		Mouth of Riv. Hanami (Chiba City)	9.6
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	2,100
W 1 1 G:		Mouth of Riv. Sumida (Minato Ward)	5,300
Yokohama City	15	Yokohama Port	2,000
Niigata Pref.		Lower Riv. Shinano (Niigata City)	15
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	40
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	190
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	6.9
Yamanashi Pref.		Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	8.0
Nagano Pref.	21	Lake Suwa (center)	240
Shizuoka Pref.	22	Shimizu Port	290
		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	6.6
Aichi Pref.		Kinuura Port	280
		Nagoya Port	560
Mie Pref.		Yokkaichi Port	1,100
		Toba Port	490
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	350
		Lake Biwa (center, offshore of Karasaki)	790
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	320
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	430
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,300
	34	Mouth of Riv. Yodo (Osaka City)	3,000
		Osaka Port	12,000
	33	Outside Osaka Port	3,200
Hyogo Pref.	36	Offshore of Himeji	380
Kobe City	37	Kobe Port (center)	4,900
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	46
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	300
Okayama Pref.	40	Offshore of Mizushima	42
Hiroshima Pref.	41	Kure Port	2,000
	42	Hiroshima Bay	510
Yamaguchi Pref.	43	Tokuyama Bay	83
=	44	Offshore of Ube	110
		Offshore of Hagi	26
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	25
Kagawa Pref.	47	Takamatsu Port	1,000
Ehime Pref.	48	Niihama Port	8.6
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	13
Kitakyushu City	50	Dokai Bay	8,100
Fukuoka City		Hakata Bay	320
Saga Pref.		Imari Bay	180
Nagasaki Pref.	53	Omura Bay	230
Oita Pref.		Mouth of Riv. Oita (Oita City)	13
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	2.0
Kagoshima Pref.		Riv. Amori (Kirishima City)	1.3
ragosiiiia i ici.		Riv. Gotanda (Ichikikushikino City)	2.4
Okinawa Pref.		Naha Port	1,300
OKIIIawa 1 ICI.	20	111111111111111111111111111111111111111	1,500

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

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

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

Monitored year: 2020

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

	Aggregated value
Geometric mean	3.5
Median	4.8
Maximum	260
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.9)
Hokkaldo	2	Tomakomai Port	4.5
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.9
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	3.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.5
Fukushima Pref.	8		
	9	Onahama Port	15
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3.1
Tochigi Pref.	10	8 7 7 77	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	9.0
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	35
		Mouth of Riv. Sumida (Minato Ward)	93
Yokohama City	15		37
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	3.7
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	5.1
Shizuoka Pref.	22	Shimizu Port	8.3
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	5.4
	25	Nagoya Port	12
Mie Pref.	26	Yokkaichi Port	21
	27	Toba Port	7.4
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	8.3
		Lake Biwa (center, offshore of Karasaki)	20
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	6.2
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	11
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	48
		Mouth of Riv. Yodo (Osaka City)	61
		Osaka Port	260
		Outside Osaka Port	56
Hyogo Pref.		Offshore of Himeji	7.3
Kobe City		Kobe Port (center)	78
Nara Pref.	38		1.1
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	7.5
Okayama Pref.		Offshore of Mizushima	tr(0.9)
Hiroshima Pref.	41	Kure Port	33
Tinosimia rioi.		Hiroshima Bay	10
Yamaguchi Pref.	43	y .	1.3
ramagaciii i ici.		Offshore of Ube	2.4
		Offshore of Hagi	tr(0.7)
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	tr(0.6)
Kagawa Pref.	47	Takamatsu Port	25
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	230
_ ,		Hakata Bay	7.7
Fukuoka City	52	Imari Bay	4.0
Saga Pref. Nagasaki Pref.		,	
	53	Omura Bay	6.5
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
01: 7.0		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	25

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

	Aggregated value
Geometric mean	2.3
Median	3.6
Maximum	65
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(0.4)
Hokkaldo	2	Tomakomai Port	5.5
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.2
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.3
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(0.5)
Fukushima Pref.	8		
	9	Onahama Port	17
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3.5
Tochigi Pref.	10	8 7 1 17	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	7.7
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	25
		Mouth of Riv. Sumida (Minato Ward)	40
Yokohama City	15		13
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.4)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.0
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	5.8
Shizuoka Pref.	22	Shimizu Port	3.7
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	3.5
	25	Nagoya Port	4.1
Mie Pref.	26	Yokkaichi Port	8.2
	27	Toba Port	4.6
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	15
8		Lake Biwa (center, offshore of Karasaki)	14
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1.2
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	10
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
		Mouth of Riv. Yodo (Osaka City)	20
		Osaka Port	65
		Outside Osaka Port	15
Hyogo Pref.		Offshore of Himeji	5.7
Kobe City		Kobe Port (center)	24
Nara Pref.	38		tr(0.4)
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.8
Okayama Pref.		Offshore of Mizushima	tr(0.8)
Hiroshima Pref.	41	Kure Port	12
Timosiiiiia i ici.		Hiroshima Bay	7.8
Yamaguchi Pref.	43	y .	6.7
1 amaguem Fiel.		Offshore of Ube	3.7
Tolmohi D C		Offshore of Hagi Mouth of Riv. Yoshino (Tokushima City)	tr(0.4) tr(0.4)
Tokushima Pref. Kagawa Pref.	46		
- 0	47	Takamatsu Port	10
Ehime Pref.		Niihama Port	nd 1
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	50
Fukuoka City		Hakata Bay	3.5
Saga Pref.	52	Imari Bay	3.1
Nagasaki Pref.	53	Omura Bay	3.6
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	11

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

Detection limit: 0.3 Quantification limit: 0.8

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

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

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.3 \\ & \text{Quantification limit}: 0.8 \end{aligned}$

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	5.9
	2	Tomakomai Port	25
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	0.8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	1.6
Akita Pref.	6	Lake Hachiro	22
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	8.2
Fukushima Pref.	8	Onahama Port	70
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	18
Tochigi Pref.	10	8 7 7	1.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	46
Chiba City	12	()	1.3
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	160
	14	Mouth of Riv. Sumida (Minato Ward)	420
Yokohama City	15	Yokohama Port	270
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	1.6
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	3.9
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	17
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.5)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.2
Nagano Pref.		Lake Suwa (center)	35
Shizuoka Pref.	22	Shimizu Port	37
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.7)
Aichi Pref.		Kinuura Port	24
111011111111	25		44
Mie Pref.		Yokkaichi Port	99
11110 111011	27		250
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	46
Singa i ici.	29	Lake Biwa (center, offshore of Karasaki)	150
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	37
Osaka Pref.	31		68
Osaka City	35		320
Osaka City		Mouth of Riv. Yodo (Osaka City)	390
	32	`	1,400
	33		350
Hyogo Pref.		Offshore of Himeji	51
Kobe City		Kobe Port (center)	870
Nara Pref.	38		6.7
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	48
Okayama Pref.	40		17
Hiroshima Pref.	_	Kure Port	340
Tillosiiilla Fiel.		Hiroshima Bay	60
Vomeovichi Duof			
Yamaguchi Pref.		Tokuyama Bay Offshore of Ube	14
Tolmohi D C	45	Offshore of Hagi Mouth of Piv Vocking (Talayshing City)	4.7
Tokushima Pref.	46		3.3
Kagawa Pref.	47	Takamatsu Port	130
Ehime Pref.	48	Niihama Port	1.2
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	1.8
Kitakyushu City	50	Dokai Bay	490
Fukuoka City	51	Hakata Bay	27
Saga Pref.	52	Imari Bay	32
Nagasaki Pref.	53		23
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	1.4
Miyazaki Pref.	55	, , , , , ,	nd
Kagoshima Pref.	56	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.4)
Okinawa Pref.	58	Naha Port	360

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

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

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

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

Monitored year: 2020

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

	Aggregated value
Geometric mean	5.2
Median	7.0
Maximum	340
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.3
	2	Tomakomai Port	5.1
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	4.7
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(0.5)
Akita Pref.	6	Lake Hachiro	5.6
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	2.3
Fukushima Pref.	8	Onahama Port	18
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	4.9
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	14
Chiba City		Mouth of Riv. Hanami (Chiba City)	tr(0.4)
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	43
** 1 1 6'		Mouth of Riv. Sumida (Minato Ward)	99
Yokohama City	15	Yokohama Port	62
Niigata Pref.		Lower Riv. Shinano (Niigata City)	tr(0.6)
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.0
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	4.5
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd +-(0,4)
Yamanashi Pref. Nagano Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City) Lake Suwa (center)	tr(0.4)
Shizuoka Pref.	21	Shimizu Port	9.8
Silizuoka Piel.		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	
Aichi Pref.			7.8
Alcili Piel.	24	Nagoya Port	12
Mie Pref.		Yokkaichi Port	26
Mile Piel.	27	Toba Port	38
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	12
Siliga Fiel.		Lake Biwa (center, offshore of Karasaki)	33
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	9.9
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	18
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	82
Obuku City		Mouth of Riv. Yodo (Osaka City)	99
		Osaka Port	340
		Outside Osaka Port	83
Hyogo Pref.		Offshore of Himeji	14
Kobe City		Kobe Port (center)	200
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.8
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	12
Okayama Pref.	40		3.4
Hiroshima Pref.	41	Kure Port	76
	42	Hiroshima Bay	19
Yamaguchi Pref.	43	Tokuyama Bay	3.6
	44	Offshore of Ube	2.9
	45	Offshore of Hagi	1.4
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	1.0
Kagawa Pref.	47	Takamatsu Port	32
Ehime Pref.	48	Niihama Port	tr(0.3)
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.5)
Kitakyushu City		Dokai Bay	130
Fukuoka City		Hakata Bay	7.3
Saga Pref.		Imari Bay	8.4
Nagasaki Pref.	53	Omura Bay	6.6
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(0.4)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	66

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.3 \\ & \text{Quantification limit}: 0.8 \end{aligned}$

	Aggregated value
Geometric mean	8.6
Median	12
Maximum	570
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.2
Hokkuldo	2	Tomakomai Port	9.1
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.4)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	8.5
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	0.9
Akita Pref.	6	Lake Hachiro	10
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.8
Fukushima Pref.	8	Onahama Port	31
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	8.0
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.6)
Chiba Pref.		Coast of Ichihara and Anegasaki	26
Chiba Pier. Chiba City		Mouth of Riv. Hanami (Chiba City)	
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	tr(0.6)
Tokyo Met.			
W 1 1 C'		Mouth of Riv. Sumida (Minato Ward)	160
Yokohama City		Yokohama Port	120
Niigata Pref.		Lower Riv. Shinano (Niigata City)	tr(0.7)
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.7
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	6.2
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd (0.5)
Yamanashi Pref.	20	87 ()	tr(0.5)
Nagano Pref.	21	Lake Suwa (center)	15
Shizuoka Pref.	22		16
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.4)
Aichi Pref.	24		14
		Nagoya Port	22
Mie Pref.	26	Yokkaichi Port	46
	27	Toba Port	80
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	20
		Lake Biwa (center, offshore of Karasaki)	47
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	16
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	28
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	130
	34	Mouth of Riv. Yodo (Osaka City)	150
	_	Osaka Port	570
		Outside Osaka Port	150
Hyogo Pref.	36	Offshore of Himeji	23
Kobe City	37	Kobe Port (center)	370
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	2.8
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	19
Okayama Pref.	40	Offshore of Mizushima	5.2
Hiroshima Pref.	41	Kure Port	170
	42	Hiroshima Bay	31
Yamaguchi Pref.	43	Tokuyama Bay	6.9
	44	Offshore of Ube	5.5
	45	Offshore of Hagi	2.3
Tokushima Pref.	46		1.5
Kagawa Pref.	47	Takamatsu Port	50
Ehime Pref.	48		tr(0.6)
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	0.9
Kitakyushu City	50	Dokai Bay	200
Fukuoka City	51	Hakata Bay	13
Saga Pref.	52	Imari Bay	15
Nagasaki Pref.	53	Omura Bay	12
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(0.5)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.		Naha Port	170

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.3 Quantification limit: 0.8

	Aggregated value
Geometric mean	1.1
Median	1.2
Maximum	100
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	
покканао	2	Tomakomai Port	nd 3.5
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	+
Miyagi Pref.	4		nd 1.3
	5	Sendai Bay (Matsushima Bay)	
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
	_	Lake Hachiro	1.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	3.6
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	0.8
Tochigi Pref.	10	8 7 77	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	2.5
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	4.8
		Mouth of Riv. Sumida (Minato Ward)	9.8
Yokohama City	15		19
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	tr(0.6)
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	3.7
Shizuoka Pref.	22	Shimizu Port	2.7
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	2.6
	25	Nagoya Port	3.4
Mie Pref.	26	Yokkaichi Port	4.4
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	4.3
	29	Lake Biwa (center, offshore of Karasaki)	3.9
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(0.4)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7.4
	34	Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	35
	33	Outside Osaka Port	15
Hyogo Pref.	36	Offshore of Himeji	3.5
Kobe City	37	Kobe Port (center)	91
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	2.4
Okayama Pref.		Offshore of Mizushima	6.2
Hiroshima Pref.	41	Kure Port	40
	42	Hiroshima Bay	4.9
Yamaguchi Pref.	43	y .	2.4
	44	Offshore of Ube	1.2
		Offshore of Hagi	tr(0.6)
Tokushima Pref.	46		nd
Kagawa Pref.	47	Takamatsu Port	3.3
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	16
Fukuoka City		Hakata Bay	1.4
Saga Pref.	52	Imari Bay	2.1
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Tagoomma 1101.		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58		100
Okinawa I ICI.	20	1 10110 1 011	100

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

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

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

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

Monitored year: 2020

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

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	46
Hokkaluo	2	Tomakomai Port	1.100
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.9)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	400
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	53
Akita Pref.	6	Lake Hachiro	160
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	43
Fukushima Pref.	8	Onahama Port	1,000
Ibaraki Pref.	9		1,000
	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	7.2
Chiba Pref.	11	Coast of Ichihara and Anegasaki	1,100
Chiba City		Mouth of Riv. Hanami (Chiba City)	12
Tokyo Met.			1,700
***		Mouth of Riv. Sumida (Minato Ward)	4,300
Yokohama City	15		7,500
Niigata Pref.		Lower Riv. Shinano (Niigata City)	10
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	48
Ishikawa Pref.	18	()	200
Fukui Pref.	19		1.8
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	4.4
Nagano Pref.	21	Lake Suwa (center)	450
Shizuoka Pref.	22		820
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.4
Aichi Pref.	24	Kinuura Port	700
	25	Nagoya Port	880
Mie Pref.		Yokkaichi Port	2,000
	27	Toba Port	20,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	440
	29	Lake Biwa (center, offshore of Karasaki)	710
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	230
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	960
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	2,300
	34	Mouth of Riv. Yodo (Osaka City)	2,800
	32	Osaka Port	22,000
	33	Outside Osaka Port	7,600
Hyogo Pref.	36	Offshore of Himeji	1,400
Kobe City	37	Kobe Port (center)	47,000
Nara Pref.	38		54
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	510
Okayama Pref.	40		2,000
Hiroshima Pref.	41	Kure Port	18,000
	42		2,100
Yamaguchi Pref.	43	,	940
<i>3</i>		Offshore of Ube	450
		Offshore of Hagi	220
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	48
Kagawa Pref.	47	Takamatsu Port	1,200
Ehime Pref.	48		66
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	26
Kitakyushu City	50	Dokai Bay	8,500
Fukuoka City	51	Hakata Bay	420
Saga Pref.	52		1,100
Nagasaki Pref.	53	·	780
Oita Pref.	54		15
Miyazaki Pref.		Mouth of Riv. Orda (Olia City) Mouth of Riv. Oyodo (Miyazaki City)	tr(0.8)
Kagoshima Pref.	56	3 \ 3	nd
Kagosiiiiid Ffei.	57	Riv. Gotanda (Ichikikushikino City)	4.0
Okinawa Pref.			
Okinawa Prei.	58	Naha Port	26,000

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

Detection limit : 0.6 Quantification limit : 1.5

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	6.4
	2	Tomakomai Port	110
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	38
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6.0
Akita Pref.	6	Lake Hachiro	23
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	7.0
Fukushima Pref.	8	Onahama Port	120
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	23
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(1.2)
Chiba Pref.		Coast of Ichihara and Anegasaki	120
Chiba City		Mouth of Riv. Hanami (Chiba City)	2.0
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	210
Tokyo Wici.		Mouth of Riv. Alakawa (Roto Ward) Mouth of Riv. Sumida (Minato Ward)	540
Yokohama City		Yokohama Port	830
Niigata Pref.		Lower Riv. Shinano (Niigata City)	1.8
•			
Toyama Pref. Ishikawa Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	5.9
		Mouth of Riv. Sai (Kanazawa City)	
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(0.6)
Yamanashi Pref.	20	87 ()/	tr(1.2)
Nagano Pref.	21	Lake Suwa (center)	62
Shizuoka Pref.	22		95
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	tr(0.6)
Aichi Pref.	24		68
		Nagoya Port	98
Mie Pref.		Yokkaichi Port	220
	27	Toba Port	2,000
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	63
		Lake Biwa (center, offshore of Karasaki)	110
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	35
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	120
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	330
		Mouth of Riv. Yodo (Osaka City)	400
		Osaka Port	2,500
		Outside Osaka Port	860
Hyogo Pref.	36	Offshore of Himeji	140
Kobe City	37	Kobe Port (center)	4,800
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	7.6
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	65
Okayama Pref.	40	Offshore of Mizushima	200
Hiroshima Pref.	41	Kure Port	1,700
	42	Hiroshima Bay	180
Yamaguchi Pref.	43	Tokuyama Bay	81
	44	Offshore of Ube	44
	45	Offshore of Hagi	22
Tokushima Pref.	46		5.7
Kagawa Pref.	47	Takamatsu Port	160
Ehime Pref.	48		7.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	3.5
Kitakyushu City	50	Dokai Bay	900
Fukuoka City	51	Hakata Bay	46
Saga Pref.	52	Imari Bay	110
Nagasaki Pref.		Omura Bay	76
Oita Pref.		Mouth of Riv. Oita (Oita City)	2.1
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	tr(0.7)
Okinawa Pref.	_	Naha Port	2,400
		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.

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

Monitored year: 2020

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

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

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

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

Detection limit : 0.6 Quantification limit : 1.5

	Aggregated value
Geometric mean	2.9
Median	3.8
Maximum	200
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	3.9
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	2.7
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	2.0
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	7.2
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.8
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	5.3
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	12
1011,011,1011		Mouth of Riv. Sumida (Minato Ward)	30
Yokohama City		Yokohama Port	37
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	tr(1.1)
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20		nd
Nagano Pref.	21	Lake Suwa (center)	4.1
Shizuoka Pref.	22	\ /	4.8
Silizuoka 1 ici.	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24		4.1
Alcili Fiel.		Nagoya Port	5.4
Mie Pref.		Yokkaichi Port	11
IVIIC I ICI.	27	Toba Port	64
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	6.5
Siliga Fiel.		Lake Biwa (center, offshore of Karasaki)	9.1
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1.8
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	5.1
Osaka Fier.		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	19
Osaka City	3/	Mouth of Riv. Yodo (Osaka City)	25
		Osaka Port	120
		Outside Osaka Port	44
Hyogo Pref.		Offshore of Himeji	7.6
Kobe City		Kobe Port (center)	200
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	3.7
Okavama Pref.	40		6.6
Hiroshima Pref.		Kure Port	73
Tillosiiiiia Tici.		Hiroshima Bay	9.8
Yamaguchi Pref.	43	Tokuyama Bay	3.6
i amagacin i ici.	- · ·		
	45	Offshore of Ube Offshore of Hagi	2.4 tr(1.2)
Tokushima Pref.	46		nd
Kagawa Pref.	47	Takamatsu Port	9.3
Ehime Pref.	48		nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City		Dokai Bay	43
Fukuoka City	51	Hakata Bay	2.5
Saga Pref.	52	Imari Bay	6.2
Nagasaki Pref.		Omura Bay	4.7
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oydo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Ragosinina i ici.	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.		Naha Port	110
Okinawa 1101.	20	I talla I OII	110

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

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.3 \\ & \text{Quantification limit}: 0.8 \end{aligned}$

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	7.3
Hokkaldo	2	Tomakomai Port	250
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	93
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	8.5
Akita Pref.	6	Lake Hachiro	26
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	5.0
Fukushima Pref.	8		
	9	Onahama Port	230
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	31
Tochigi Pref.	10	8 1 \ 1 1/	0.9
Chiba Pref.	11	Coast of Ichihara and Anegasaki	210
Chiba City		Mouth of Riv. Hanami (Chiba City)	1.7
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	280
***		Mouth of Riv. Sumida (Minato Ward)	750
Yokohama City	15		1,600
Niigata Pref.		Lower Riv. Shinano (Niigata City)	1.3
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	8.3
Ishikawa Pref.	_	Mouth of Riv. Sai (Kanazawa City)	34
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87	nd
Nagano Pref.	21	Lake Suwa (center)	81
Shizuoka Pref.	22	Shimizu Port	180
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.		Kinuura Port	150
		Nagoya Port	200
Mie Pref.	26	Yokkaichi Port	420
		Toba Port	4,600
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	99
	29	Lake Biwa (center, offshore of Karasaki)	97
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	20
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	190
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	340
	34	Mouth of Riv. Yodo (Osaka City)	380
	32	Osaka Port	3,800
	33	Outside Osaka Port	1,600
Hyogo Pref.	36	Offshore of Himeji	310
Kobe City	37	Kobe Port (center)	12,000
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	7.3
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	98
Okayama Pref.		Offshore of Mizushima	610
Hiroshima Pref.	41	Kure Port	4,000
		Hiroshima Bay	440
Yamaguchi Pref.	43	,	230
		Offshore of Ube	90
		Offshore of Hagi	62
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	8.0
Kagawa Pref.	47	Takamatsu Port	210
Ehime Pref.		Niihama Port	24
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	4.0
Kitakyushu City	50	Dokai Bay	1,600
Fukuoka City		Hakata Bay	85
Saga Pref.	52	Imari Bay	230
Nagasaki Pref.	53	Omura Bay	170
Oita Pref.		Mouth of Riv. Oita (Oita City)	2.7
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Kagosiiiiid Ffei.		Riv. Amori (Kirisnima City) Riv. Gotanda (Ichikikushikino City)	tr(0.6)
Okinawa Pref.			6,900
Okinawa Prei.	58	Naha Port	0,900

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 0.9

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	0.9
поккатио	2	Tomakomai Port	19
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	
Miyagi Pref.	4		nd 18
	5	Sendai Bay (Matsushima Bay)	
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City) Lake Hachiro	nd 9.0
	_		
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	1.8
Fukushima Pref.	8	Onahama Port	42
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.	10	8 7 () 7 7/	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	20
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	48
		Mouth of Riv. Sumida (Minato Ward)	110
Yokohama City	15		180
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(0.8)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	4.2
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	21
Shizuoka Pref.	22	Shimizu Port	18
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	16
	25	Nagoya Port	22
Mie Pref.	26	Yokkaichi Port	56
	27	Toba Port	290
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	29
	29	Lake Biwa (center, offshore of Karasaki)	24
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2.0
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	21
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	50
	34	Mouth of Riv. Yodo (Osaka City)	55
	32	Osaka Port	490
	33	Outside Osaka Port	180
Hyogo Pref.	36	Offshore of Himeji	33
Kobe City	37	Kobe Port (center)	1,200
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(0.6)
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	16
Okayama Pref.		Offshore of Mizushima	47
Hiroshima Pref.	41	Kure Port	720
	42	Hiroshima Bay	48
Yamaguchi Pref.	43	Tokuyama Bay	23
	44	Offshore of Ube	8.4
		Offshore of Hagi	5.8
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	1.2
Kagawa Pref.	47	Takamatsu Port	28
Ehime Pref.		Niihama Port	7.0
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	250
Fukuoka City		Hakata Bay	13
Saga Pref.	52	Imari Bay	19
Nagasaki Pref.	53	Omura Bay	45
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Tagosiiiia 1101.		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58		460
OKIIIawa I ICI.	20	1 10110 1 VII	-100

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.2 Quantification limit: 0.6

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	2.8
Hokkaido	2	Tomakomai Port	5.2
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.2)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	39
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	
•			nd
Akita Pref.	6	Lake Hachiro	14
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	3.0
Fukushima Pref.	8	Onahama Port	300
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	18
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	tr(0.2)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	21
Chiba City	12	Mouth of Riv. Hanami (Chiba City)	tr(0.3)
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	72
		Mouth of Riv. Sumida (Minato Ward)	150
Yokohama City		Yokohama Port	420
Niigata Pref.		Lower Riv. Shinano (Niigata City)	tr(0.4)
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	1.8
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	2.6
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.			
	20	87 ()/	nd
Nagano Pref.	21	Lake Suwa (center)	15
Shizuoka Pref.	22		51
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24		5.4
		Nagoya Port	8.5
Mie Pref.	26	Yokkaichi Port	25
	27	Toba Port	10
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	30
C	29	Lake Biwa (center, offshore of Karasaki)	18
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1.2
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	12
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	34
Osaka City	24	Mouth of Riv. Yodo (Osaka City)	32
		Osaka Port	190
II D C		Outside Osaka Port	58
Hyogo Pref.		Offshore of Himeji	13
Kobe City		Kobe Port (center)	160
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	0.7
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	15
Okayama Pref.			4.0
Hiroshima Pref.	41	Kure Port	540
	42	Hiroshima Bay	25
Yamaguchi Pref.	43	Tokuyama Bay	49
	44	Offshore of Ube	6.9
	45		1.6
Tokushima Pref.	46	S	1.5
Kagawa Pref.	47	Takamatsu Port	23
Ehime Pref.	48		34
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.5)
Kitakyushu City		Dokai Bay	2,000
Fukuoka City	51	Hakata Bay	8.5
Saga Pref.	52	Imari Bay	7.4
Nagasaki Pref.		Omura Bay	52
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	nd
		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	110

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.5 Quantification limit: 1.3

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	160
110111111110	2	Tomakomai Port	190
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	6.3
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	1,100
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	56
Akita Pref.	6	Lake Hachiro	91
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	80
Fukushima Pref.	8	Onahama Port	9,800
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	820
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	12
Chiba Pref.		Coast of Ichihara and Anegasaki	250
Chiba City		Mouth of Riv. Hanami (Chiba City)	3.9
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	1,200
1011/01/100		Mouth of Riv. Sumida (Minato Ward)	1,000
Yokohama City	15	Yokohama Port	740
Niigata Pref.		Lower Riv. Shinano (Niigata City)	42
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	51
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	50
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	4.7
Yamanashi Pref.		Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	6.0
Nagano Pref.	21	Lake Suwa (center)	700
Shizuoka Pref.	22	Shimizu Port	86
Silizuoka 1 ici.		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	24
Aichi Pref.		Kinuura Port	57
Alcili Piel.		Nagoya Port	60
Mie Pref.		Yokkaichi Port	210
Mie Prei.		Toba Port	
CI: D C			110
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	210
W . G':		Lake Biwa (center, offshore of Karasaki)	81
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	36
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	74
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	240
		Mouth of Riv. Yodo (Osaka City)	340
		Osaka Port	270
		Outside Osaka Port	240
Hyogo Pref.		Offshore of Himeji	77
Kobe City		Kobe Port (center)	190
Nara Pref.		87 () /	10
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	200
Okayama Pref.			21
Hiroshima Pref.		Kure Port	120
		Hiroshima Bay	61
Yamaguchi Pref.	43	Tokuyama Bay	240
		Offshore of Ube	51
		Offshore of Hagi	15
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	47
Kagawa Pref.	47	Takamatsu Port	180
Ehime Pref.	48	Niihama Port	220
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	34
Kitakyushu City	50	Dokai Bay	7,300
Fukuoka City	51	Hakata Bay	39
Saga Pref.		Imari Bay	64
Nagasaki Pref.	53	Omura Bay	47
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	10
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	11
Kagoshima Pref.		Riv. Amori (Kirishima City)	5.8
2		Riv. Gotanda (Ichikikushikino City)	4.3
Okinawa Pref.		Naha Port	83
	~	ı	

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

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

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

Monitored year: 2020

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

Detection limit: *1.8 Quantification limit: *4.5

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

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

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

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.5 \\ & \text{Quantification limit}: 1.2 \end{aligned}$

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	47
HOKKAIGO	2	Tomakomai Port	7.8
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(1.1)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	13
Akita Pref.	6	Lake Hachiro	24
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	11
Fukushima Pref.	8		
	9	Onahama Port	120
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	110
Tochigi Pref.	10	8 1 1/	20
Chiba Pref.	11	Coast of Ichihara and Anegasaki	87
Chiba City		Mouth of Riv. Hanami (Chiba City)	21
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	340
		Mouth of Riv. Sumida (Minato Ward)	900
Yokohama City	15		94
Niigata Pref.		Lower Riv. Shinano (Niigata City)	13
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	17
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	100
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	2.6
Yamanashi Pref.	20	87	36
Nagano Pref.	21	Lake Suwa (center)	180
Shizuoka Pref.	22	Shimizu Port	36
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.9
Aichi Pref.	24	Kinuura Port	27
	25	Nagoya Port	16
Mie Pref.	26	Yokkaichi Port	40
	27	Toba Port	34
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	310
		Lake Biwa (center, offshore of Karasaki)	71
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	40
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	1,200
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,200
		Mouth of Riv. Yodo (Osaka City)	1,400
		Osaka Port	390
		Outside Osaka Port	73
Hyogo Pref.		Offshore of Himeji	42
Kobe City		Kobe Port (center)	82
Nara Pref.	38		87
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	160
Okavama Pref.		Offshore of Mizushima	5.3
Hiroshima Pref.	41	Kure Port	77
2111 051111110 1 101.		Hiroshima Bay	67
Yamaguchi Pref.	43	, , , , , , , , , , , , , , , , , , ,	9.1
ramaguem rich.	_	Offshore of Ube	16
		Offshore of Hagi	2.4
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	13
Kagawa Pref.	47	Takamatsu Port	
Ehime Pref.		Niihama Port	1,300 2.4
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	12
Kitakyushu City	50	Dokai Bay	95
_ ,		7	
Fukuoka City		Hakata Bay	40
Saga Pref.	52	Imari Bay	
Nagasaki Pref.	53	Omura Bay	20
Oita Pref.		Mouth of Riv. Oita (Oita City)	25
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	5.7
Kagoshima Pref.		Riv. Amori (Kirishima City)	4.4
01: 7.7		Riv. Gotanda (Ichikikushikino City)	59
Okinawa Pref.	58	Naha Port	4,200

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

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.1 \\ & \text{Quantification limit}: 0.2 \end{aligned}$

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 0.7 Quantification limit : 1.8

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	8.9
покканао	2	Tomakomai Port	
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4		nd nd
	5	Sendai Bay (Matsushima Bay)	
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(1.2)
		Lake Hachiro	nd + (1,4)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(1.4)
Fukushima Pref.	8	Onahama Port	1.8
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3.6
Tochigi Pref.	10	8 7 17	tr(1.3)
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	3.7
		Mouth of Riv. Sumida (Minato Ward)	5.5
Yokohama City	15		nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(1.4)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	2.6
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	2.5
Nagano Pref.	21	Lake Suwa (center)	tr(1.3)
Shizuoka Pref.	22	Shimizu Port	tr(0.7)
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	tr(0.9)
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	tr(1.6)
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	2.3
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	39
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	16
	34	Mouth of Riv. Yodo (Osaka City)	14
	32	Osaka Port	tr(1.5)
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	tr(1.1)
Kobe City	37	Kobe Port (center)	tr(0.9)
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.7
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.2
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(1.2)
	42	Hiroshima Bay	tr(1.0)
Yamaguchi Pref.	43	, and the second	nd
	_	Offshore of Ube	nd
		Offshore of Hagi	nd
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	tr(1.0)
Kagawa Pref.	47	Takamatsu Port	23
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.7)
Kitakyushu City	50	Dokai Bay	tr(1.1)
Fukuoka City		Hakata Bay	tr(1.0)
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(0.7)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
-10500000000000000000000000000000000000		Riv. Gotanda (Ichikikushikino City)	tr(1.7)
Okinawa Pref.	58	Naha Port	16
ORIHAMA I ICI.	20	1 19119 1 011	10

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.3 Quantification limit: 0.8

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	19
Hokkuldo	2	Tomakomai Port	6.2
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(0.7)
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	15
Sendai City		Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6.7
Akita Pref.	6	Lake Hachiro	16
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	5.8
Fukushima Pref.	8	Onahama Port	98
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	72
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	10
Chiba Pref.		Coast of Ichihara and Anegasaki	86
Chiba City		Mouth of Riv. Hanami (Chiba City)	13
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	340
Tokyo ivici.		Mouth of Riv. Sumida (Minato Ward)	590
Yokohama City	15	Yokohama Port	100
Niigata Pref.		Lower Riv. Shinano (Niigata City)	5.6
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	9.8
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	65
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	1.9
Yamanashi Pref.		Senshu-bashi Bridge, Riv. Snono (Tsuruga City) Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	1.9
Nagano Pref.	21	Lake Suwa (center)	100
Shizuoka Pref.	22	Shimizu Port	27
Silizuoka Fiel.		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	2.0
Aichi Pref.		Kinuura Port	40
Alcili Piel.		Nagoya Port	22
Mie Pref.		Yokkaichi Port	41
Mie Piei.		Toba Port	26
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	250
Siliga Piel.		Lake Biwa (center, offshore of Karasaki)	75
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	21
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	580
Osaka Prei. Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	750
Osaka City		Mouth of Riv. Yodo (Osaka City)	+
		Osaka Port	760 510
		Outside Osaka Port	64
Hyogo Pref.		Offshore of Himeji	34
Kobe City		Kobe Port (center)	69
Nara Pref.		`	41
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	88
Okavama Pref.			3.7
Hiroshima Pref.		Kure Port	88
Tillosiiilia Tici.		Hiroshima Bay	65
Yamaguchi Pref.	43	, , , , , , , , , , , , , , , , , , ,	12
i amagucini Fici.	_	Offshore of Ube	11
		Offshore of Hagi	2.3
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	8.5
Kagawa Pref.	47	Takamatsu Port	850
Ehime Pref.		Niihama Port	1.9
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	8.6
Kitakyushu City	50	Dokai Bay	88
Fukuoka City		Hakata Bay	36
Saga Pref.		Imari Bay	19
Nagasaki Pref.	53	Omura Bay	21
Oita Pref.			
Miyazaki Pref.		Mouth of Riv. Oita (Oita City) Mouth of Riv. Oyodo (Miyazaki City)	3.6
•			
Kagoshima Pref.		Riv. Amori (Kirishima City)	2.8
Okinowa Bast		Riv. Gotanda (Ichikikushikino City)	
Okinawa Pref.	20	Naha Port	2,100

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

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

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

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

Monitored year: 2020

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

 $\begin{aligned} & \text{Detection limit}: 0.2 \\ & \text{Quantification limit}: 0.5 \end{aligned}$

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

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

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

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

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

Monitored year: 2020

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

Detection limit: *1.2 Quantification limit: *3.1

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	120
	2	Tomakomai Port	tr(2.5)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(1.6)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	tr(1.7)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(2.1)
Fukushima Pref.	8	Onahama Port	4.9
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	11
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	tr(2.1)
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	13
Tokyo Wici.		Mouth of Riv. Sumida (Minato Ward)	23
Yokohama City		Yokohama Port	3.5
Niigata Pref.		Lower Riv. Shinano (Niigata City)	tr(1.2)
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	8.6
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	tr(1.5)
			\ /
Fukui Pref. Yamanashi Pref.	20	Mishima-bashi Bridge, Riv. Shono (Tsuruga City) Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd tr(1.3)
Nagano Pref.	-	Lake Suwa (center)	` '
Shizuoka Pref.	21	()	7.5 nd
Silizuoka Piel.			
Aichi Pref.	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) Kinuura Port	nd +-(2, 8)
Aichi Prei.	24		tr(2.8)
M. D. C		Nagoya Port	nd
Mie Pref.		Yokkaichi Port	tr(1.6)
CI: D C	27	Toba Port	nd 6.1
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	
Tr C':		Lake Biwa (center, offshore of Karasaki)	tr(1.9)
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(1.4)
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	37
Osaka City	33	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	26
		Mouth of Riv. Yodo (Osaka City)	26
		Osaka Port	9.1
II D C		Outside Osaka Port	3.1
Hyogo Pref.		Offshore of Himeji	tr(1.5)
Kobe City		Kobe Port (center)	tr(1.9)
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	4.0
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	5.4
Okayama Pref.	40		nd
Hiroshima Pref.		Kure Port	tr(2.4)
W 1:D C	_	Hiroshima Bay	tr(2.9)
Yamaguchi Pref.	43	Tokuyama Bay	nd
		Offshore of Ube	nd
T 1 1: 7 2	45	8	nd
Tokushima Pref.	46	3/	tr(1.9)
Kagawa Pref.	47	Takamatsu Port	29
Ehime Pref.	48		nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City		Dokai Bay	5.4
Fukuoka City	51	Hakata Bay	tr(2.0)
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.		Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	_	Riv. Gotanda (Ichikikushikino City)	4.4
Okinawa Pref.	58	Naha Port	80

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

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

Detection limit : 0.2 Quantification limit : 0.4

	Aggregated value
Geometric mean	0.7
Median	0.6
Maximum	52
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	13
поккатао	2	Tomakomai Port	0.6
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	
Miyagi Pref.	4		nd 0.5
	5	Sendai Bay (Matsushima Bay)	0.5
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City) Lake Hachiro	0.5
	_		
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	0.5
Fukushima Pref.	8	Onahama Port	2.1
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	1.7
Tochigi Pref.	10	8 7 77	0.6
Chiba Pref.	11	Coast of Ichihara and Anegasaki	0.5
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	3.5
		Mouth of Riv. Sumida (Minato Ward)	5.9
Yokohama City	15		1.7
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	2.7
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	1.5
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	0.9
	25	Nagoya Port	0.5
Mie Pref.	26	Yokkaichi Port	0.7
	27	Toba Port	0.4
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2.3
	29	Lake Biwa (center, offshore of Karasaki)	1.1
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	0.4
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	12
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	11
	34	Mouth of Riv. Yodo (Osaka City)	5.4
	32	Osaka Port	5.6
	33	Outside Osaka Port	2.1
Hyogo Pref.	36	Offshore of Himeji	0.5
Kobe City	37	Kobe Port (center)	0.6
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	1.1
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	1.8
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	1.0
	42	Hiroshima Bay	0.8
Yamaguchi Pref.	43	y .	nd
	44	Offshore of Ube	nd
		Offshore of Hagi	nd
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	tr(0.3)
Kagawa Pref.	47	Takamatsu Port	6.2
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(0.3)
Kitakyushu City	50	Dokai Bay	2.3
Fukuoka City		Hakata Bay	1.1
Saga Pref.	52	Imari Bay	0.6
Nagasaki Pref.	53	Omura Bay	0.4
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(0.2)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Tagoomma 1101.		Riv. Gotanda (Ichikikushikino City)	3.3
Okinawa Pref.	58	Naha Port	52
OKIIIawa I ICI.	20	1 10110 1 011	34

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.7

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

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

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

Detection limit : 0.4 Quantification limit : 1.0

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1.4
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	1.4
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	nd
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	8 1 17	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	nd
		Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City	15	Yokohama Port	nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	_	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	8, (),	nd
Nagano Pref.		Lake Suwa (center)	nd
Shizuoka Pref.	22	Shimizu Port	nd
	_	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.		Kinuura Port	nd
		Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	nd
		Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	nd
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
		Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.		Offshore of Himeji	nd
Kobe City		Kobe Port (center)	nd
Nara Pref.	38	8 / () /	nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.		Kure Port	nd
W 1:5 C		Hiroshima Bay	nd
Yamaguchi Pref.		Tokuyama Bay	nd
		Offshore of Ube	nd
T 1 1: P 2	45	8	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	nd
Ehime Pref.	48	Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd 1
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	nd

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

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 5

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

Hokkaido I Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City) 2 Tomakomai Port Iwate Pref. 3 Toyosawa Bridge, Riv. Toyosawa (Hanamaki City) Myagi Pref. 4 Sendai City Send	easured value
	36
Miyagi Pref. 4 Sendai Bay (Matsushima Bay)	85
Miyagi Pref. 4 Sendai Bay (Matsushima Bay)	tr(4)
Sendia City	62
Akita Pref. 6 Lake Hachiro Fukushima Pref. 7 Mouth of Riv. Mogami (Sakata City) Fukushima Pref. 8 Onahama Port 10 Tochigi Pref. 10 Tochigi Pref. 10 Tochigi Pref. 11 Coast of Ichihara and Anegasaki Coast of Ic	36
Yamagata Pref. 7 Mouth of Riv. Mogami (Sakata City) Fukushima Pref. 8 Onahama Port Ibaraki Pref. 9 Tockamome-obasi Bridge, Mouth of Riv. Tone (Kamisu City) Chiba Pref. 10 Tagawa Kyubun Area Head Works (Utsunomiya City) Chiba City 12 Mouth of Riv. Hanami (Chiba City) Tokyo Met. 13 Mouth of Riv. Arakawa (Koto Ward) 4 Mouth of Riv. Winida (Minato Ward) Yokohama City. 15 Vokohama Port Niigata Pref. 16 Lower Riv. Shinano (Niigata City) Toyama Pref. 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) Ishikawa Pref. 18 Mouth of Riv. Sui (Kanazawa City) Yamanashi Pref. 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) Yamanashi Pref. 10 Senshu-bashi Bridge, Riv. Shono (Tsuruga City) Aichi Pref. 21 Lake Suwa (center) Shizuoka Pref. 21 Lake Suwa (center) Shizuoka Pref. 22 Shimizu Port Aichi Pref. 24 Kinuura Port Mie Pref.	38
Fukushima Pref. 8	25
Ibaraki Pref. 9 Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	15
Tochigi Pref. 10 Tagawa Kyubun Area Head Works (Usunomiya City) Colast of Ichibarea. Chiba Pref. 11 Coast of Ichibara and Anegasaki	140
Chiba Pref. 11 Coast of Ichihara and Anegasaki 12 Mouth of Riv. Hanami (Chiba City) 13 Mouth of Riv. Arakawa (Koto Ward) 14 Mouth of Riv. Surakawa (Koto Ward) 15 Yokohama City 15 Yokohama Port 16 Lower Riv. Shinano (Niigata City) 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) 18 Mouth of Riv. Sai (Kanazawa City) 18 Mouth of Riv. Sai (Kanazawa City) 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 19 Mishima-bashi Bridge, Riv. Arakawa (Kofu City) 19 Mishima-bashi Bridge, Riv. Arakawa (Kofu City) 19 10 10 10 10 10 10 10	24
Chiba City	280
Tokyo Met.	6
14 Mouth of Riv. Sumida (Minato Ward)	
Yokohama City	250
Niigata Pref. 16 Lower Riv. Shinano (Niigata City) 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) 18 Mouth of Riv. Sai (Kanazawa City) 19 Mishima-bashi Bridge, Riv. Shono (Tsuruga City) 19 Mishima-bashi Bridge, Riv. Arakawa (Kofu City) 10 Mishima-bashi Bridge, Riv. Tenryu (Iwata City) 10 Mishima-bashi Bridge, Riv. Arasaki) 10 Mishima-bashi Bridge, Riv. Arasaki) 10 Mishima-bashi Bridge, Riv. Arasaki (Kyoto City) 10 Mishima-bashi Bridge, Riv. Arasaki (Kyoto City) 10 Mishima-bashi Bridge, Riv. Oh-kawa (Osaka City) 10 Mishima Bridge, Riv. Yamato (Oji Town) 10 Mishima Bridge, Riv. Mishima City 10 Mishima Pref. 10 Mishima Pre	450
Toyama Pref. 17 Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	170
Ishikawa Pref.	10
Fukui Pref. 19	14
Yamanashi Pref. 20 Senshu-bashi Bridge, Riv. Arakawa (Kofu City) Nagano Pref. 21 Lake Suwa (center) Shizuoka Pref. 22 Shimizu Port 23 Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) Aichi Pref. 24 Kinuura Port 25 Nagoya Port Mie Pref. 26 Yokkaichi Port 27 Toba Port 27 Shiga Pref. 28 Lake Biwa (center, offshore of Minamihira) 29 Lake Biwa (center, offshore of Karasaki) Kyoto City 30 Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) Osaka City 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 32 Osaka Port 33 33 Outside Osaka Port 44 Hyogo Pref. 36 45 Kobe City 37 46 Offshore of Himeji 47 Wakayama Pref. 39 48 Kinokawa-ohashi Bridge, Riv. Yamato (Oji Town) 48 <	21
Nagano Pref. 21 Lake Suwa (center) 22 Shimizu Port 23 Saketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	15
Shizuoka Pref. 22 Shimizu Port 23 Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	48
23 Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	120
Aichi Pref. 24 Kinuura Port 25 Nagoya Port 26 Yokkaichi Port 27 Toba Port 27 Toba Port 28 Lake Biwa (center, offshore of Minamihira) 29 Lake Biwa (center, offshore of Karasaki) 20 Saka Pref. 31 Mouth of Riv. Yamato (Sakai City) 34 Mouth of Riv. Yamato (Sakai City) 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 36 Mouth of Riv. Yodo (Osaka City) 37 Osaka Port 38 Osaka Port 39 Osaka Port 39 Taisho-bashi Bridge, Riv. Yamato (Oji Town) 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Mouth of Riv. Kinokawa (Wakayama City) 30 Mouth of Riv. Mo	11
Mie Pref. 26	15
Mie Pref. 26 Yokkaichi Port 27 Toba Port 28 Lake Biwa (center, offshore of Minamihira) 29 Lake Biwa (center, offshore of Karasaki) 30 Miyamae-bashi Bridge,Riv. Katsura (Kyoto City) 30 Mouth of Riv. Yamato (Sakai City) 31 Mouth of Riv. Yamato (Sakai City) 32 Osaka Port 33 Outside Osaka Port 33 Outside Osaka Port 34 Mouth of Riv. Yodo (Osaka City) 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 36 Offshore of Himeji 37 Kobe Port (center) 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima 41 Kure Port 42 Hiroshima Bay 44 Offshore of Ube 45 Offshore of Hagi 45 Offshore of Hagi 46 Mouth of Riv. Yoshino (Tokushima City) 47 Takamatsu Port 48 Kinama Port 48 Niihama Port 48 Kochi Pref. 49 Mouth of Riv. Shimanto City 50 Dokai Bay Fukuoka City 51 Hakata Bay 5 Saga Pref. 52 Imari Bay 5 Omura Bay	71
27 Toba Port 28 Lake Biwa (center, offshore of Minamihira) 29 Lake Biwa (center, offshore of Karasaki)	47
Shiga Pref. 28	50
Syoto City 30 Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	59
Syoto City 30 Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	260
Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) Osaka City 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 32 Osaka Port 33 Outside Osaka Port Hyogo Pref. 36 Offshore of Himeji Kobe City 37 Kobe Port (center) Nara Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay 44 Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 44 45 Offshore of Hagi 45 Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Kochi Pref. 48 Niihama Port Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52	130
Osaka Pref. 31 Mouth of Riv. Yamato (Sakai City) Osaka City 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 32 Osaka Port 33 Outside Osaka Port Hyogo Pref. 36 Offshore of Himeji Kobe City 37 Kobe Port (center) Nara Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay 44 Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 44 45 Offshore of Hagi 45 Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Kochi Pref. 48 Niihama Port Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52	49
Osaka City 35 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) 36 Mouth of Riv. Yodo (Osaka City) 37 Osaka Port 38 Outside Osaka Port 39 Kobe City Nara Pref. Nara Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay Yamaguchi Pref. 43 Tokuyama Bay Tokushima Pref. 44 Offshore of Hagi Tokushima Pref. 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Tokushima Pref. Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City Saga Pref. 50 Dokai Bay Fukuoka City 51 Hakata Bay Nagasaki Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	87
34 Mouth of Riv. Yodo (Osaka City) 32 Osaka Port 33 Outside Osaka Port 34 Offshore of Himeji	260
32 Osaka Port 33 Outside Osaka Port	180
Hyogo Pref. 36 Offshore of Himeji	87
Hyogo Pref. 36 Offshore of Himeji Kobe City 37 Kobe Port (center) Nara Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	52
Kobe City37Kobe Port (center)Nara Pref.38Taisho-bashi Bridge, Riv. Yamato (Oji Town)Wakayama Pref.39Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)Okayama Pref.40Offshore of MizushimaHiroshima Pref.41Kure Port42Hiroshima BayYamaguchi Pref.43Tokuyama Bay44Offshore of Ube45Offshore of HagiTokushima Pref.46Mouth of Riv. Yoshino (Tokushima City)Kagawa Pref.47Takamatsu PortEhime Pref.48Niihama PortKochi Pref.49Mouth of Riv. Shimanto (Shimanto City)Kitakyushu City50Dokai BayFukuoka City51Hakata BaySaga Pref.52Imari BayNagasaki Pref.53Omura Bay	73
Nara Pref. 38 Taisho-bashi Bridge, Riv. Yamato (Oji Town) Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	60
Wakayama Pref. 39 Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	42
Okayama Pref. 40 Offshore of Mizushima Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	43
Hiroshima Pref. 41 Kure Port 42 Hiroshima Bay	28
42 Hiroshima Bay Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	
Yamaguchi Pref. 43 Tokuyama Bay 44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	68
44 Offshore of Ube 45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	53
45 Offshore of Hagi Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	70
Tokushima Pref. 46 Mouth of Riv. Yoshino (Tokushima City) Kagawa Pref. 47 Takamatsu Port Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	31
Kagawa Pref.47Takamatsu PortEhime Pref.48Niihama PortKochi Pref.49Mouth of Riv. Shimanto (Shimanto City)Kitakyushu City50Dokai BayFukuoka City51Hakata BaySaga Pref.52Imari BayNagasaki Pref.53Omura Bay	11
Ehime Pref. 48 Niihama Port Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	10
Kochi Pref. 49 Mouth of Riv. Shimanto (Shimanto City) Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	48
Kitakyushu City 50 Dokai Bay Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	18
Fukuoka City 51 Hakata Bay Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	tr(3)
Saga Pref. 52 Imari Bay Nagasaki Pref. 53 Omura Bay	36
Nagasaki Pref. 53 Omura Bay	56
	15
	150
Oita Pref. 54 Mouth of Riv. Oita (Oita City)	tr(4)
Miyazaki Pref. 55 Mouth of Riv. Oyodo (Miyazaki City)	10
Kagoshima Pref. 56 Riv. Amori (Kirishima City)	6
57 Riv. Gotanda (Ichikikushikino City)	34
Okinawa Pref. 58 Naha Port	87

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

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

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

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

Monitored year: 2020

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

Detection limit: 3 Quantification limit: 8

	Aggregated value
Geometric mean	21
Median	22
Maximum	190
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	12
поккатио	2	Tomakomai Port	11
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	+
Miyagi Pref.	4		tr(7) 36
	5	Sendai Bay (Matsushima Bay)	
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City) Lake Hachiro	18
	_		+
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	tr(7)
Fukushima Pref.	8	Onahama Port	19
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	27
Tochigi Pref.	10	8 7 77	11
Chiba Pref.	11	Coast of Ichihara and Anegasaki	51
Chiba City		Mouth of Riv. Hanami (Chiba City)	8
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	40
		Mouth of Riv. Sumida (Minato Ward)	33
Yokohama City	15		23
Niigata Pref.		Lower Riv. Shinano (Niigata City)	tr(5)
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	tr(5)
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	37
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	14
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	42
Nagano Pref.	21	Lake Suwa (center)	22
Shizuoka Pref.	22	Shimizu Port	25
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	13
Aichi Pref.	24	Kinuura Port	14
	25	Nagoya Port	12
Mie Pref.	26	Yokkaichi Port	20
	27	Toba Port	29
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	90
		Lake Biwa (center, offshore of Karasaki)	57
Kyoto City	30	Miyamae-bashi Bridge, Riv. Katsura (Kyoto City)	32
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	40
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	110
		Mouth of Riv. Yodo (Osaka City)	49
		Osaka Port	190
		Outside Osaka Port	66
Hyogo Pref.		Offshore of Himeji	34
Kobe City		Kobe Port (center)	23
Nara Pref.	38		61
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	13
Okayama Pref.		Offshore of Mizushima	21
Hiroshima Pref.	41	Kure Port	10
1111 0011111111111111111111111111111111		Hiroshima Bay	13
Yamaguchi Pref.	43	, and the second	13
I mining delli i i i i i	_	Offshore of Ube	30
		Offshore of Hagi	48
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	tr(7)
Kagawa Pref.	47	Takamatsu Port	25
Ehime Pref.		Niihama Port	30
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	8
Kitakyushu City	50	Dokai Bay	20
Fukuoka City		Hakata Bay	41
Saga Pref.	52	Imari Bay	56
Nagasaki Pref.	53	Omura Bay	160
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(5)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	26
		J (J)/	+
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd +=(7)
Oleimen D. C		Riv. Gotanda (Ichikikushikino City)	tr(7)
Okinawa Pref.	58	Naha Port	10

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

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

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

[17] Pentachlorobenzene/sediment (pg/g-dry)

Monitored year: 2020

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

Detection limit : 0.2 Quantification limit : 0.4

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	150
HOKKAIGO	2	Tomakomai Port	170
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	5.8
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	250
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	4.6
Akita Pref.	6	Lake Hachiro	73
	7	Mouth of Riv. Mogami (Sakata City)	
Yamagata Pref.			2,900
Fukushima Pref.	8	Onahama Port	
Ibaraki Pref.	_	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	800
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	14
Chiba Pref.		Coast of Ichihara and Anegasaki	160
Chiba City		Mouth of Riv. Hanami (Chiba City)	3.0
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	1,200
		Mouth of Riv. Sumida (Minato Ward)	690
Yokohama City		Yokohama Port	290
Niigata Pref.		Lower Riv. Shinano (Niigata City)	48
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	38
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	60
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	8.0
Yamanashi Pref.		Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	5.8
Nagano Pref.	21	Lake Suwa (center)	800
Shizuoka Pref.	22	Shimizu Port	53
		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	19
Aichi Pref.	24	Kinuura Port	54
	25	Nagoya Port	55
Mie Pref.	26	Yokkaichi Port	120
	27	Toba Port	130
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	190
	29	Lake Biwa (center, offshore of Karasaki)	81
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	61
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	74
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	250
	34	Mouth of Riv. Yodo (Osaka City)	370
	32	Osaka Port	500
	33	Outside Osaka Port	160
Hyogo Pref.	36	Offshore of Himeji	71
Kobe City	37	Kobe Port (center)	150
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	5.5
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	100
Okayama Pref.	40		14
Hiroshima Pref.	41	Kure Port	110
	42	Hiroshima Bay	62
Yamaguchi Pref.		Tokuyama Bay	94
		Offshore of Ube	26
	45	Offshore of Hagi	8.7
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	24
Kagawa Pref.		Takamatsu Port	120
Ehime Pref.	48	Niihama Port	58
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	30
Kitakyushu City	50	Dokai Bay	2,000
Fukuoka City	51	Hakata Bay	28
Saga Pref.	52		45
Nagasaki Pref.	53		41
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	5.8
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	15
Kagoshima Pref.		Riv. Amori (Kirishima City)	1.8
reagosinina i ici.	57	Riv. Gotanda (Ichikikushikino City)	7.8
Okinawa Pref.	58	Naha Port	93
Okinawa I ICI.	50	1.010	93

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

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

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

Monitored year: 2020

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

Detection limit: 10 Quantification limit: 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	180
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	110.		
Ноккатао	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City) Tomakomai Port	nd
T + D C	2		nd
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd 1
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	180
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	nd
		Mouth of Riv. Sumida (Minato Ward)	nd
Yokohama City		Yokohama Port	nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.		Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.		Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	nd
Nagano Pref.	21	Lake Suwa (center)	nd
Shizuoka Pref.	22	Shimizu Port	nd
		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
		Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	nd
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	nd
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
	34	Mouth of Riv. Yodo (Osaka City)	nd
	32	Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40		nd
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
		Offshore of Ube	nd
	45	Offshore of Hagi	nd
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.		Takamatsu Port	nd
Ehime Pref.	48	Niihama Port	45
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52		nd
Nagasaki Pref.	53		nd
Oita Pref.	54		nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
124505111114 1 101.	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	nd
Okinawa 11ci.	20	1 min 1 oit	IIG

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

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

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

Monitored year: 2020

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

Detection limit: *2,200 Quantification limit: *5,300

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(2,200)
	2	Tomakomai Port	tr(4,700)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	6,100
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	15,000
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10	Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City	12	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	nd
Tokyo Met.	13	Mouth of Riv. Arakawa (Koto Ward)	10,000
	14	Mouth of Riv. Sumida (Minato Ward)	25,000
Yokohama City	15	Yokohama Port	10,000
Niigata Pref.	16	Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.	17	Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20		nd
Nagano Pref.	21		tr(3,700)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.		Kinuura Port	nd
	25		nd
Mie Pref.	26		5,900
1,110 1 1011	27	Toba Port	35,000
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	7,500
Singu i ici.	29	Lake Biwa (center, offshore of Karasaki)	tr(5,100)
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(4,400)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	21,000
Osaka City	35		14,000
Osuku City		Mouth of Riv. Yodo (Osaka City)	9,000
	32	Osaka Port	29,000
	33		12,000
Hyogo Pref.		Offshore of Himeji	nd
Kobe City		Kobe Port (center)	23,000
Nara Pref.	38		nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.		Kure Port	20,000
Till Osiililla Tici.		Hiroshima Bay	20,000 nd
Yamaguchi Pref.		Tokuyama Bay	7,900
ı amagucın Fiel.		Offshore of Ube	7,300
	45		
Tokushima Pref.		Offshore of Hagi Mouth of Riv. Yoshino (Tokushima City)	tr(2,600)
	46	Takamatsu Port	nd 38,000
Kagawa Pref. Ehime Pref.	48	Niihama Port	7,400
Kochi Pref.	48	Mouth of Riv. Shimanto (Shimanto City)	
	50	Dokai Bay	18,000
Kitakyushu City		·	8,600
Fukuoka City	51	Hakata Bay	
Saga Pref.	52	Imari Bay	19,000
Nagasaki Pref.	53		6,100
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(2,700)
Miyazaki Pref.	55	Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	17	nd
01: 7: 6	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	57,000

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

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

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

(Note 4) nd: Not detected

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

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

Monitored year: 2020

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

Detection limit : 400 Quantification limit : 900

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	
поккатио	2	Tomakomai Port	tr(600)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	tr(600)
Miyagi Pref.	4		nd
	5	Sendai Bay (Matsushima Bay)	
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
	_	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	1,500
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10		nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	nd
		Mouth of Riv. Sumida (Minato Ward)	1,500
Yokohama City	15		nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87	nd
Nagano Pref.	21	Lake Suwa (center)	tr(700)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.		Yokkaichi Port	1,400
		Toba Port	2,100
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2,300
		Lake Biwa (center, offshore of Karasaki)	2,600
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1,000
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	2,200
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	tr(800)
osana enj		Mouth of Riv. Yodo (Osaka City)	900
		Osaka Port	4,600
	33	Outside Osaka Port	3,000
Hyogo Pref.		Offshore of Himeji	nd
Kobe City		Kobe Port (center)	1,000
Nara Pref.	38		nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	tr(600)
Tillosiiilla Fiel.		Hiroshima Bay	\ /
Yamaguchi Pref.	42	,	nd nd
1 amagueni Pref.	_		
		Offshore of Ube	nd 4
Tolorati D. C		Offshore of Hagi	nd
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	1,000
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	1,900
Fukuoka City		Hakata Bay	nd
Saga Pref.	52	Imari Bay	tr(400)
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	6,000

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

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

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

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

Monitored year: 2020

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

Detection limit : 500 Quantification limit : 1,200

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(900)
Hokkaldo	2	Tomakomai Port	1,400
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	tr(1,000)
Akita Pref.	6	Lake Hachiro	tr(800)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	\ /
Fukushima Pref.	8		nd 2 800
	9	Onahama Port	3,800
Ibaraki Pref.		Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10		nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	1,300
		Mouth of Riv. Sumida (Minato Ward)	2,900
Yokohama City	15		nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87 ()/	nd
Nagano Pref.	21	Lake Suwa (center)	tr(600)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	tr(500)
Mie Pref.	26	Yokkaichi Port	1,700
	27	Toba Port	5,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	2,300
		Lake Biwa (center, offshore of Karasaki)	1,600
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(800)
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	2,900
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	1,800
		Mouth of Riv. Yodo (Osaka City)	tr(1,000)
	32	Osaka Port	4,700
	33	Outside Osaka Port	3,000
Hyogo Pref.		Offshore of Himeji	nd
Kobe City		Kobe Port (center)	2,500
Nara Pref.	38		nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	1,600
		Hiroshima Bay	nd
Yamaguchi Pref.	43	,	nd
	_	Offshore of Ube	nd
		Offshore of Hagi	nd
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	2,700
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	2,700
Fukuoka City		Hakata Bay	2,700 nd
Saga Pref.	52	Imari Bay	tr(500)
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	
Miyazaki Pref.		Mouth of Riv. Orda (Orda City) Mouth of Riv. Oyodo (Miyazaki City)	nd
		, \ , , , , , , , , , , , , , , , , , ,	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Olainan P. C		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	6,900

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

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

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

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

Monitored year: 2020

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

Detection limit : 800 Quantification limit : 2,000

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
HOKKAIGO	2	Tomakomai Port	tr(1,200)
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2,800
Akita Pref.	6	Lake Hachiro	2,800 nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	5,700
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	3,700 nd
Tochigi Pref.	_		
	10	Tagawa Kyubun Area Head Works (Utsunomiya City) Coast of Ichihara and Anegasaki	nd
Chiba Pref.	11		nd
Chiba City		Mouth of Riv. Hanami (Chiba City) Mouth of Riv. Arakawa (Koto Ward)	nd
Tokyo Met.			3,500
X 1 1 G':		Mouth of Riv. Sumida (Minato Ward)	7,800
Yokohama City	15		3,700
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	_	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87	nd
Nagano Pref.	21	Lake Suwa (center)	tr(1,300)
Shizuoka Pref.	22	Shimizu Port	tr(1,400)
		Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.		Kinuura Port	nd
		Nagoya Port	nd
Mie Pref.		Yokkaichi Port	tr(1,100)
		Toba Port	12,000
Shiga Pref.		Lake Biwa (center, offshore of Minamihira)	tr(1,600)
		Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City		Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	tr(1,200)
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	5,500
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	4,400
		Mouth of Riv. Yodo (Osaka City)	2,000
		Osaka Port	7,000
		Outside Osaka Port	2,600
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	8,600
Nara Pref.	38		nd
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okayama Pref.	40	Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	7,800
	42	Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	3,000
	44	Offshore of Ube	3,500
	45	Offshore of Hagi	tr(1,300)
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	13,000
Ehime Pref.	48	Niihama Port	3,100
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	3,700
Fukuoka City	51	Hakata Bay	3,800
Saga Pref.	52	Imari Bay	7,200
Nagasaki Pref.	53	Omura Bay	3,000
Oita Pref.	54	Mouth of Riv. Oita (Oita City)	tr(1,700)
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.	56	Riv. Amori (Kirishima City)	tr(1,100)
		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	18,000

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

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

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

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

Monitored year: 2020

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

Detection limit : 500 Quantification limit : 1,200

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	tr(700)
Hokkaldo	2	Tomakomai Port	1,500
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	tr(600)
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	2,300
Akita Pref.	6	Lake Hachiro	tr(1,000)
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Fukushima Pref.	8		nd 4 200
	9	Onahama Port	4,200
Ibaraki Pref.		Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.	10		nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.	_	Mouth of Riv. Arakawa (Koto Ward)	5,700
		Mouth of Riv. Sumida (Minato Ward)	13,000
Yokohama City	15		6,500
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20		nd
Nagano Pref.	21	Lake Suwa (center)	tr(1,100)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	1,700
	27	Toba Port	16,000
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	1,300
		Lake Biwa (center, offshore of Karasaki)	tr(900)
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	1,400
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	10,000
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	7,500
		Mouth of Riv. Yodo (Osaka City)	5,100
	32	Osaka Port	13,000
	33	Outside Osaka Port	3,600
Hyogo Pref.	36	Offshore of Himeji	tr(800)
Kobe City		Kobe Port (center)	11,000
Nara Pref.	38		tr(700)
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	tr(700)
Okayama Pref.		Offshore of Mizushima	1,500
Hiroshima Pref.	41	Kure Port	9,500
		Hiroshima Bay	tr(1,100)
Yamaguchi Pref.	43	,	4,900
	_	Offshore of Ube	3,800
		Offshore of Hagi	1,300
Tokushima Pref.	46	Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	21,000
Ehime Pref.		Niihama Port	4,300
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	tr(1,100)
Kitakyushu City	50	Dokai Bay	9,200
Fukuoka City	51	Hakata Bay	4,800
Saga Pref.	52	Imari Bay	11,000
Nagasaki Pref.	53	Omura Bay	3,100
Oita Pref.		Mouth of Riv. Oita (Oita City)	tr(1,000)
Miyazaki Pref.		Mouth of Riv. Orda (Orda City) Mouth of Riv. Oyodo (Miyazaki City)	
		J (J)/	nd tr(800)
Kagoshima Pref.		Riv. Amori (Kirishima City)	
Olaiman D. C		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	26,000

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

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

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

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

Monitored year: 2020

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

Detection limit : 5 Quantification limit : 13

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

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	59
поккатио	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	+
Miyagi Pref.	4		nd nd
	5	Sendai Bay (Matsushima Bay)	+
Sendai City Akita Pref.	6	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
	_	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	17
Fukushima Pref.	8	Onahama Port	tr(6)
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	tr(6)
Tochigi Pref.	10	8 7 77	nd
Chiba Pref.	11	Coast of Ichihara and Anegasaki	nd
Chiba City		Mouth of Riv. Hanami (Chiba City)	nd
Tokyo Met.		Mouth of Riv. Arakawa (Koto Ward)	20
		Mouth of Riv. Sumida (Minato Ward)	23
Yokohama City	15		nd
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.	18	Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	19	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	tr(7)
Yamanashi Pref.	20	Senshu-bashi Bridge, Riv. Arakawa (Kofu City)	tr(8)
Nagano Pref.	21	Lake Suwa (center)	47
Shizuoka Pref.	22	Shimizu Port	48
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	tr(6)
	25	Nagoya Port	tr(8)
Mie Pref.	26	Yokkaichi Port	tr(9)
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	tr(12)
	29	Lake Biwa (center, offshore of Karasaki)	nd
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	nd
Osaka Pref.	31	Mouth of Riv. Yamato (Sakai City)	35
Osaka City	35	Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	33
	34	Mouth of Riv. Yodo (Osaka City)	23
	32	Osaka Port	20
	33	Outside Osaka Port	nd
Hyogo Pref.	36	Offshore of Himeji	nd
Kobe City	37	Kobe Port (center)	nd
Nara Pref.	38	Taisho-bashi Bridge, Riv. Yamato (Oji Town)	34
Wakayama Pref.	39	Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	37
Okayama Pref.		Offshore of Mizushima	nd
Hiroshima Pref.	41	Kure Port	nd
	42	Hiroshima Bay	tr(5)
Yamaguchi Pref.	43	y .	nd
		Offshore of Ube	nd
		Offshore of Hagi	nd
Tokushima Pref.		Mouth of Riv. Yoshino (Tokushima City)	nd
Kagawa Pref.	47	Takamatsu Port	77
Ehime Pref.		Niihama Port	nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City	50	Dokai Bay	nd
Fukuoka City		Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.	53	Omura Bay	nd
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
Tagosiiiia 1101.		Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58		tr(6)
OKIIIawa I ICI.	20	1 10110 1 011	u(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.

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

Monitored year: 2020

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

Detection limit: 3
Quantification limit: 6

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	10
Minimum	nd

Local communities	No.	Monitored sites	Measured value
Hokkaido	1	Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)	nd
	2	Tomakomai Port	nd
Iwate Pref.	3	Toyosawa Bridge, Riv. Toyosawa (Hanamaki City)	nd
Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	nd
Sendai City	5	Hirose-ohashi Bridge, Riv. Hirose (Sendai City)	nd
Akita Pref.	6	Lake Hachiro	nd
Yamagata Pref.	7	Mouth of Riv. Mogami (Sakata City)	nd
Fukushima Pref.	8	Onahama Port	nd
Ibaraki Pref.	9	Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City)	nd
Tochigi Pref.		Tagawa Kyubun Area Head Works (Utsunomiya City)	nd
Chiba Pref.		Coast of Ichihara and Anegasaki	
		Mouth of Riv. Hanami (Chiba City)	tr(5)
Chiba City		Mouth of Riv. Arakawa (Koto Ward)	nd
Tokyo Met.			tr(4)
X 1 1 G:		Mouth of Riv. Sumida (Minato Ward)	10
Yokohama City		Yokohama Port	6
Niigata Pref.		Lower Riv. Shinano (Niigata City)	nd
Toyama Pref.		Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City)	nd
Ishikawa Pref.		Mouth of Riv. Sai (Kanazawa City)	nd
Fukui Pref.	_	Mishima-bashi Bridge, Riv. Shono (Tsuruga City)	nd
Yamanashi Pref.	20	87 ()/	nd
Nagano Pref.	21	Lake Suwa (center)	tr(3)
Shizuoka Pref.	22	Shimizu Port	nd
	23	Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City)	nd
Aichi Pref.	24	Kinuura Port	nd
	25	Nagoya Port	nd
Mie Pref.	26	Yokkaichi Port	nd
	27	Toba Port	nd
Shiga Pref.	28	Lake Biwa (center, offshore of Minamihira)	7
	29	Lake Biwa (center, offshore of Karasaki)	tr(5)
Kyoto City	30	Miyamae-bashi Bridge,Riv. Katsura (Kyoto City)	6
Osaka Pref.		Mouth of Riv. Yamato (Sakai City)	nd
Osaka City		Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)	nd
,	34	Mouth of Riv. Yodo (Osaka City)	tr(4)
		Osaka Port	nd
	33	Outside Osaka Port	nd
Hyogo Pref.		Offshore of Himeji	nd
Kobe City		Kobe Port (center)	nd
Nara Pref.		Taisho-bashi Bridge, Riv. Yamato (Oji Town)	tr(4)
Wakayama Pref.		Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City)	nd
Okavama Pref.	40		tr(3)
Hiroshima Pref.		Kure Port	nd
THOSHIII TICI.		Hiroshima Bay	nd
Yamaguchi Pref.	43	Tokuyama Bay	nd
i amaguem Fiel.	- · ·		
	45	Offshore of Ube Offshore of Hagi	nd
Tokushima Pref.			nd
	46	Mouth of Riv. Yoshino (Tokushima City) Takamatsu Port	nd
Kagawa Pref.	47		nd
Ehime Pref.	48		nd
Kochi Pref.	49	Mouth of Riv. Shimanto (Shimanto City)	nd
Kitakyushu City		Dokai Bay	nd
Fukuoka City	51	Hakata Bay	nd
Saga Pref.	52	Imari Bay	nd
Nagasaki Pref.		Omura Bay	8
Oita Pref.		Mouth of Riv. Oita (Oita City)	nd
Miyazaki Pref.		Mouth of Riv. Oyodo (Miyazaki City)	nd
Kagoshima Pref.		Riv. Amori (Kirishima City)	nd
	57	Riv. Gotanda (Ichikikushikino City)	nd
Okinawa Pref.	58	Naha Port	tr(3)

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

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

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

⁽Note 4) nd: Not detected

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

Monitored year: 2020

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

Detection limit: *11 Quantification limit: *31

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	1,100
	Yokohama City	2	Yokohama Port	Green mussel	9,900
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	470
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	1,400
		2		Chum salmon	1,700
	Iwate Pref.	3	Yamada Bay	Greenling	16,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	6,700
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3,000
	Tokyo Met.	6	Tokyo Bay	Sea bass	51,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	54,000
	Nagoya City	8	Nagoya Port	Striped mullet	10,000
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	14,000
	Osaka Pref.	10	Osaka Bay	Sea bass	85,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	56,000
•	Tottori Pref.	12	Nakaumi	Sea bass	9,000
	Hiroshima City	13	Hiroshima Bay	Sea bass	13,000
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	18,000
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	690
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	15,000
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2,800
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	3,100
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	74,000
		D 0	Tikubushima Island)		10,000,000
	Hyogo Pref.		Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	18,000,000
		value		Egg of Great Cormorant (Egg white)	43,000

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.9 Quantification limit: 2.4

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	8.8
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	tr(1.7)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	8.9
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	9.7
	Nagoya City	8	Nagoya Port	Striped mullet	8.1
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(1.2)
	Osaka Pref.	10	Osaka Bay	Sea bass	12
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	3.7
	Tottori Pref.	12	Nakaumi	Sea bass	tr(1.1)
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(1.2)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	2.8
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1.1)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	12
		value		Egg of Great Cormorant (Egg white)	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 5

	Aggregated value
Geometric mean	28
Median	18
Maximum	510
Minimum	nd

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	53
	Yokohama City	2	Yokohama Port	Green mussel	890
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	39
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	59
		2		Chum salmon	130
	Iwate Pref.	3	Yamada Bay	Greenling	320
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	130
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	210
	Tokyo Met.	6	Tokyo Bay	Sea bass	6,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8,800
•	Nagoya City	8	Nagoya Port	Striped mullet	1,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	180
•	Osaka Pref.	10	Osaka Bay	Sea bass	6,600
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,200
-	Tottori Pref.	12	Nakaumi	Sea bass	140
	Hiroshima City	13	Hiroshima Bay	Sea bass	250
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,800
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	120
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	45
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	37
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	2,300
			Tikubushima Island)		
•	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	860,000
		value		Egg of Great Cormorant (Egg white)	4,900

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 4

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	120
	Yokohama City	2	Yokohama Port	Green mussel	2,600
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	70
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	160
		2		Chum salmon	330
	Iwate Pref.	3	Yamada Bay	Greenling	1,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	760
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	530
	Tokyo Met.	6	Tokyo Bay	Sea bass	14,000
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	20,000
	Nagoya City	8	Nagoya Port	Striped mullet	3,400
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,600
	Osaka Pref.	10	Osaka Bay	Sea bass	21,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	8,800
•	Tottori Pref.	12	Nakaumi	Sea bass	760
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,400
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3,500
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	42
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	800
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	250
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	160
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	9,300
	II D.C	D.C	/	E CC (C (E II)	2 (00 000
	Hyogo Pref.		Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,600,000
		value		Egg of Great Cormorant (Egg white)	10,000

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.9

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

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.9

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(0.7)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	3.3
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(1.2)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(0.9)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(1.7)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(1.0)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	13
	Osaka Pref.	10	Osaka Bay	Sea bass	2.8
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(0.9)
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(1.2)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
•	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(0.7)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	20
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200
		value		Egg of Great Cormorant (Egg white)	tr(1.4)

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.9

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.8

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.5)
	Yokohama City	2	Yokohama Port	Green mussel	10
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.8)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	3.3
		2		Chum salmon	3.1
	Iwate Pref.	3	Yamada Bay	Greenling	29
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	14
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	5.9
	Tokyo Met.	6	Tokyo Bay	Sea bass	60
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	49
-	Nagoya City	8	Nagoya Port	Striped mullet	12
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	31
-	Osaka Pref.	10	Osaka Bay	Sea bass	110
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	73
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	22
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	27
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.6)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	30
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6.6
-	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	4.3
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	310
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	50,000
		value		Egg of Great Cormorant (Egg white)	100

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.0

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	42
	Yokohama City	2	Yokohama Port	Green mussel	480
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	23
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	75
		2		Chum salmon	84
	Iwate Pref.	3	Yamada Bay	Greenling	570
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	430
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	160
	Tokyo Met.	6	Tokyo Bay	Sea bass	2,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,400
	Nagoya City	8	Nagoya Port	Striped mullet	390
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	850
	Osaka Pref.	10	Osaka Bay	Sea bass	3,400
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	2,000
	Tottori Pref.	12	Nakaumi	Sea bass	440
	Hiroshima City	13	Hiroshima Bay	Sea bass	440
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	620
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	39
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	430
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	170
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	120
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,000
	Hyogo Pref.	Deference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	2,200,000
	Hyogo Fiel.	value	Koya i onu (italili City)	Egg of Great Cormorant (Egg york) Egg of Great Cormorant (Egg white)	4,300
<u> </u>		value		Egg of Great Cormorant (Egg winte)	4,300

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.9

	Aggregated value
Geometric mean	7
Median	8.1
Maximum	190
Minimum	nd

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.0)
	Yokohama City	2	Yokohama Port	Green mussel	9.3
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.3)
		2		Chum salmon	tr(1.7)
	Iwate Pref.	3	Yamada Bay	Greenling	11
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	7.4
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.8
	Tokyo Met.	6	Tokyo Bay	Sea bass	31
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	38
	Nagoya City	8	Nagoya Port	Striped mullet	8.2
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	23
	Osaka Pref.	10	Osaka Bay	Sea bass	47
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	32
	Tottori Pref.	12	Nakaumi	Sea bass	5.4
	Hiroshima City	13	Hiroshima Bay	Sea bass	8.1
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	13
-	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(0.9)
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	8.1
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	3.6
-	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(1.8)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	190
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	27,000
		value		Egg of Great Cormorant (Egg white)	48

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.7 Quantification limit: 1.9

	Aggregated value
Geometric mean	3.7
Median	3.4
Maximum	50
Minimum	nd

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.5)
	Yokohama City	2	Yokohama Port	Green mussel	3.0
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.8)
		2		Chum salmon	tr(1.7)
	Iwate Pref.	3	Yamada Bay	Greenling	9.1
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	2.0
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	5.3
	Tokyo Met.	6	Tokyo Bay	Sea bass	11
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	13
	Nagoya City	8	Nagoya Port	Striped mullet	3.4
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	18
	Osaka Pref.	10	Osaka Bay	Sea bass	19
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	12
	Tottori Pref.	12	Nakaumi	Sea bass	tr(1.6)
	Hiroshima City	13	Hiroshima Bay	Sea bass	5.1
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	3.3
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	11
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.0
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(0.7)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	50
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	3,400
		value		Egg of Great Cormorant (Egg white)	2.8

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

$\hbox{\tt [1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (\#156)/wildlife (pg/g-wet)}\\$

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.0

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	3.6
	Yokohama City	2	Yokohama Port	Green mussel	26
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2.8
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	11
		2		Chum salmon	5.3
	Iwate Pref.	3	Yamada Bay	Greenling	95
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	40
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	14
	Tokyo Met.	6	Tokyo Bay	Sea bass	180
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	140
	Nagoya City	8	Nagoya Port	Striped mullet	29
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	110
	Osaka Pref.	10	Osaka Bay	Sea bass	310
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	240
	Tottori Pref.	12	Nakaumi	Sea bass	36
	Hiroshima City	13	Hiroshima Bay	Sea bass	43
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	60
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6.8
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	65
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	27
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	18
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,000
•	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	240,000
		value		Egg of Great Cormorant (Egg white)	260

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.2

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(1.0)
	Yokohama City	2	Yokohama Port	Green mussel	8.9
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(0.9)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	2.6
		2		Chum salmon	tr(1.8)
	Iwate Pref.	3	Yamada Bay	Greenling	25
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	15
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	4.3
	Tokyo Met.	6	Tokyo Bay	Sea bass	41
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	32
	Nagoya City	8	Nagoya Port	Striped mullet	7.2
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	29
	Osaka Pref.	10	Osaka Bay	Sea bass	77
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	53
	Tottori Pref.	12	Nakaumi	Sea bass	11
	Hiroshima City	13	Hiroshima Bay	Sea bass	11
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	13
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.9)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	16
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6.7
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	4.5
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	250
	Hyra an Dunf	Dafanan	Koya Pond (Itami City)	Egg of Crost Commonant (Egg11-)	48,000
	Hyogo Pref.	value	Koya Pond (Itami City)	Egg of Great Cormonant (Egg yolk)	48,000
		value		Egg of Great Cormorant (Egg white)	33

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.1

	Aggregated value
Geometric mean	25
Median	26
Maximum	490
Minimum	2.1

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.1

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6.3
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	0/3	4/18	0/1
Detection Frequency (sample)	0/3	4/18	0/1
Geometric mean	nd	nd	
Median	nd	nd	
Maximum	nd	6.3	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	6.3
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	2.8
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(1.0)
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(0.8)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	290
		value		Egg of Great Cormorant (Egg white)	nd

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(2)
	Yokohama City	2	Yokohama Port	Green mussel	39
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	29
		2		Chum salmon	11
	Iwate Pref.	3	Yamada Bay	Greenling	370
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	80
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	21
	Tokyo Met.	6	Tokyo Bay	Sea bass	300
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	170
	Nagoya City	8	Nagoya Port	Striped mullet	56
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	140
-	Osaka Pref.	10	Osaka Bay	Sea bass	650
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	670
	Tottori Pref.	12	Nakaumi	Sea bass	77
	Hiroshima City	13	Hiroshima Bay	Sea bass	150
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	260
-	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	14
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	270
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	46
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	66
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,200
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	370,000
		value		Egg of Great Cormorant (Egg white)	480

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.2

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.0

	Aggregated value
Geometric mean	4.3
Median	4.8
Maximum	67
Minimum	nd

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(1.7)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(1.3)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	18
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4.5
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	3.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	13
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	8.7
	Nagoya City	8	Nagoya Port	Striped mullet	2.2
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	8.7
	Osaka Pref.	10	Osaka Bay	Sea bass	25
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	30
	Tottori Pref.	12	Nakaumi	Sea bass	5.0
	Hiroshima City	13	Hiroshima Bay	Sea bass	7.2
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	12
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	14
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	2.5
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	3.0
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	67
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	19,000
		value		Egg of Great Cormorant (Egg white)	8.1

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	42
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(2)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	45
		2		Chum salmon	16
	Iwate Pref.	3	Yamada Bay	Greenling	1,000
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	190
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	36
	Tokyo Met.	6	Tokyo Bay	Sea bass	460
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	200
•	Nagoya City	8	Nagoya Port	Striped mullet	91
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	150
•	Osaka Pref.	10	Osaka Bay	Sea bass	1,000
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,600
•	Tottori Pref.	12	Nakaumi	Sea bass	160
	Hiroshima City	13	Hiroshima Bay	Sea bass	330
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	820
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	25
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	630
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	76
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	420
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	1,400
			Tikubushima Island)		
	Hyogo Pref.		Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	500,000
		value		Egg of Great Cormorant (Egg white)	290

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	13
Median	18
Maximum	220
Minimum	nd

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(1)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	4
		2		Chum salmon	3
	Iwate Pref.	3	Yamada Bay	Greenling	67
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	18
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	8
	Tokyo Met.	6	Tokyo Bay	Sea bass	41
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	18
	Nagoya City	8	Nagoya Port	Striped mullet	9
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	26
	Osaka Pref.	10	Osaka Bay	Sea bass	60
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	94
•	Tottori Pref.	12	Nakaumi	Sea bass	11
	Hiroshima City	13	Hiroshima Bay	Sea bass	20
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	67
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(2)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	36
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	64
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	220
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	24,000
		value	, , , , , , , , , , , , , , , , , , , ,	Egg of Great Cormorant (Egg white)	9

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 0.8 Quantification limit: 2.0

	Aggregated value
Geometric mean	4.8
Median	6.4
Maximum	75
Minimum	nd

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	6.7
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(0.8)
		2		Chum salmon	tr(1.4)
	Iwate Pref.	3	Yamada Bay	Greenling	12
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	10
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	6.0
	Tokyo Met.	6	Tokyo Bay	Sea bass	19
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	11
	Nagoya City	8	Nagoya Port	Striped mullet	2.2
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	9.5
	Osaka Pref.	10	Osaka Bay	Sea bass	9.7
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	14
	Tottori Pref.	12	Nakaumi	Sea bass	4.8
	Hiroshima City	13	Hiroshima Bay	Sea bass	3.7
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	15
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(1.1)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	9.8
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1.4)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	5.7
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	75
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	8,300
		value		Egg of Great Cormorant (Egg white)	tr(1.3)

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: *7 Quantification limit: *19

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

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

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	140
	Yokohama City	2	Yokohama Port	Green mussel	1,700
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	630
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	200
		2		Chum salmon	490
	Iwate Pref.	3	Yamada Bay	Greenling	730
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	320
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	1,000
	Tokyo Met.	6	Tokyo Bay	Sea bass	2,200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	2,200
	Nagoya City	8	Nagoya Port	Striped mullet	1,500
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	5,100
•	Osaka Pref.	10	Osaka Bay	Sea bass	6,100
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	1,500
•	Tottori Pref.	12	Nakaumi	Sea bass	760
	Hiroshima City	13	Hiroshima Bay	Sea bass	1,300
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	1,600
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	610
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	1,000
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	550
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	12,000
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	1,500
-	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	79,000
	, ,	value	, , , , , , , , , , , , , , , , , , , ,	Egg of Great Cormorant (Egg white)	290

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

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

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit : 2 Quantification limit : 6

	Aggregated value
Geometric mean	88
Median	100
Maximum	780
Minimum	11

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

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

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

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

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

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

Monitored year: 2020

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

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	72
Median	58
Maximum	2,100
Minimum	5

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	24	75	
Median	45	60	
Maximum	59	2,100	820
Minimum	5	24	820

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	5
	Yokohama City	2	Yokohama Port	Green mussel	45
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	59
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	24
		2		Chum salmon	38
	Iwate Pref.	3	Yamada Bay	Greenling	81
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	41
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	83
	Tokyo Met.	6	Tokyo Bay	Sea bass	110
-	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	160
	Nagoya City	8	Nagoya Port	Striped mullet	48
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	140
-	Osaka Pref.	10	Osaka Bay	Sea bass	200
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	68
	Tottori Pref.	12	Nakaumi	Sea bass	29
	Hiroshima City	13	Hiroshima Bay	Sea bass	56
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	62
-	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	31
•	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	42
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	57
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	2,100
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	820
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	51,000
		value		Egg of Great Cormorant (Egg white)	240

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[7-4] cis -Nonachlor/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 22/22 (Missing value: 0)
Detection Frequency (sample): 22/22 (Missing value: 0)

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	190
Median	220
Maximum	1,600
Minimum	20

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	53	230	
Median	38	250	
Maximum	200	1,600	480
Minimum	20	26	480

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	20
	Yokohama City	2	Yokohama Port	Green mussel	200
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	38
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	26
		2		Chum salmon	59
	Iwate Pref.	3	Yamada Bay	Greenling	150
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	83
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	150
	Tokyo Met.	6	Tokyo Bay	Sea bass	470
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	370
•	Nagoya City	8	Nagoya Port	Striped mullet	230
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,200
-	Osaka Pref.	10	Osaka Bay	Sea bass	1,000
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	330
-	Tottori Pref.	12	Nakaumi	Sea bass	170
	Hiroshima City	13	Hiroshima Bay	Sea bass	260
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	310
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	83
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	260
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	110
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	1,600
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	480
•	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	25,000
		value		Egg of Great Cormorant (Egg white)	48

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[7-5] trans -Nonachlor/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 22/22 (Missing value: 0)
Detection Frequency (sample): 22/22 (Missing value: 0)

Detection limit : 2 Quantification limit : 4

	Aggregated value
Geometric mean	410
Median	470
Maximum	5,700
Minimum	47

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	140	530	
Median	130	510	
Maximum	480	5,700	81
Minimum	47	95	81

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	47
	Yokohama City	2	Yokohama Port	Green mussel	480
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	130
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	95
		2		Chum salmon	230
	Iwate Pref.	3	Yamada Bay	Greenling	320
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	140
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	450
	Tokyo Met.	6	Tokyo Bay	Sea bass	880
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	810
	Nagoya City	8	Nagoya Port	Striped mullet	520
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	1,900
	Osaka Pref.	10	Osaka Bay	Sea bass	2,300
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	630
	Tottori Pref.	12	Nakaumi	Sea bass	340
	Hiroshima City	13	Hiroshima Bay	Sea bass	560
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	650
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	260
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	500
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	270
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	5,700
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	81
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,300
		value		Egg of Great Cormorant (Egg white)	nd

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 2) Data treated as detected means detection limit value and more.

[8] Heptachlors/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 19/22 (Missing value: 0) Detection Frequency (sample): 19/22 (Missing value: 0)

Detection limit: *6

Quantification limit: *15

	Aggregated value
Geometric mean	29
Median	33
Maximum	320
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	16/18	1/1
Detection Frequency (sample)	2/3	16/18	1/1
Geometric mean	24	26	
Median	50	32	
Maximum	96	320	270
Minimum	nd	nd	270

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	50
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	96
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	52
	Iwate Pref.	3	Yamada Bay	Greenling	32
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	110
	Tokyo Met.	6	Tokyo Bay	Sea bass	52
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	61
	Nagoya City	8	Nagoya Port	Striped mullet	33
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	40
	Osaka Pref.	10	Osaka Bay	Sea bass	74
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	15
	Tottori Pref.	12	Nakaumi	Sea bass	tr(14)
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(14)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	32
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(9)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(12)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	320
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	270
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,500
		value		Egg of Great Cormorant (Egg white)	61

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 4) nd: Not detected

⁽Note 5) *: Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[8-1] Heptachlor/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 7/22 (Missing value: 0)
Detection Frequency (sample): 7/22 (Missing value: 0)

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	6
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/3	6/18	0/1
Detection Frequency (sample)	1/3	6/18	0/1
Geometric mean	nd	nd	
Median	nd	nd	
Maximum	tr(2)	6	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(2)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(1)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(2)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	tr(1)
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	6
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(1)
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(1)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	nd
		value		Egg of Great Cormorant (Egg white)	nd

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

[8-2] cis -Heptachlor epoxide/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 22/22 (Missing value: 0)
Detection Frequency (sample): 22/22 (Missing value: 0)

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	28
Median	33
Maximum	320
Minimum	tr(2)

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	28	24	
Median	48	32	
Maximum	96	320	270
Minimum	5	tr(2)	270

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	5
	Yokohama City	2	Yokohama Port	Green mussel	48
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	96
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	52
	Iwate Pref.	3	Yamada Bay	Greenling	32
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	4
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	110
	Tokyo Met.	6	Tokyo Bay	Sea bass	51
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	61
•	Nagoya City	8	Nagoya Port	Striped mullet	33
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	40
•	Osaka Pref.	10	Osaka Bay	Sea bass	72
-	Hyogo Pref.	11	Offshore of Himeji	Sea bass	15
	Tottori Pref.	12	Nakaumi	Sea bass	14
	Hiroshima City	13	Hiroshima Bay	Sea bass	13
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	32
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	3
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	tr(2)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	11
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	320
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	270
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	7,400
		value		Egg of Great Cormorant (Egg white)	61

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

[8-3] trans -Heptachlor epoxide/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 0/22 (Missing value: 0)
Detection Frequency (sample): 0/22 (Missing value: 0)

Detection limit: 4 Quantification limit: 9

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	0/3	0/18	0/1
Detection Frequency (sample)	0/3	0/18	0/1
Geometric mean	nd	nd	
Median	nd	nd	
Maximum	nd	nd	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
-	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
-	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	nd
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	84
		value		Egg of Great Cormorant (Egg white)	nd

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

[15] Perfluorooctane sulfonic acid (PFOS) /wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site) : 22/22 (Missing value : 0)
Detection Frequency (sample) : 22/22 (Missing value : 0)

Detection limit : 2 Quantification limit : 5

	Aggregated value
Geometric mean	76
Median	100
Maximum	8,500
Minimum	tr(4)

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	18/18	1/1
Detection Frequency (sample)	3/3	18/18	1/1
Geometric mean	16	76	
Median	8	100	
Maximum	130	3,000	8,500
Minimum	tr(4)	5	8,500

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	130
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(4)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	6
		2		Chum salmon	6
	Iwate Pref.	3	Yamada Bay	Greenling	9
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	19
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	22
	Tokyo Met.	6	Tokyo Bay	Sea bass	570
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	480
•	Nagoya City	8	Nagoya Port	Striped mullet	58
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	3,000
•	Osaka Pref.	10	Osaka Bay	Sea bass	450
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	130
-	Tottori Pref.	12	Nakaumi	Sea bass	350
	Hiroshima City	13	Hiroshima Bay	Sea bass	72
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	130
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	140
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	130
-	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	62
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	5
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	8,500
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	15,000
	11,050 1101.	value	Tely 1 on (Imilia etcy)	Egg of Great Cormorant (Egg white)	67

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

[16] Perfluorooctanoic acid (PFOA) /wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site) : 16/22 (Missing value : 0)
Detection Frequency (sample) : 16/22 (Missing value : 0)

Detection limit : 2 Quantification limit : 6

	Aggregated value
Geometric mean	tr(5)
Median	tr(4)
Maximum	280
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	12/18	1/1
Detection Frequency (sample)	3/3	12/18	1/1
Geometric mean	6	tr(4)	
Median	tr(5)	tr(2)	
Maximum	14	49	280
Minimum	tr(3)	nd	280

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(3)
	Yokohama City	2	Yokohama Port	Green mussel	14
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(5)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	tr(4)
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	11
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	49
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	tr(4)
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(3)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(5)
•	Nagoya City	8	Nagoya Port	Striped mullet	tr(2)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	25
•	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	49
	Tottori Pref.	12	Nakaumi	Sea bass	tr(2)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	9
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
•	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
•	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	tr(2)
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	280
-	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,200
		value	, , , , , ,	Egg of Great Cormorant (Egg white)	14

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

[17] Pentachlorobenzene/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 18/22 (Missing value: 0)
Detection Frequency (sample): 18/22 (Missing value: 0)

Detection limit: 1 Quantification limit: 3

	Aggregated value
Geometric mean	13
Median	12
Maximum	390
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	3/3	14/18	1/1
Detection Frequency (sample)	3/3	14/18	1/1
Geometric mean	9	11	
Median	9	19	
Maximum	9	120	390
Minimum	8	nd	390

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	8
	Yokohama City	2	Yokohama Port	Green mussel	9
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	9
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	23
		2		Chum salmon	62
	Iwate Pref.	3	Yamada Bay	Greenling	75
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	120
	Tokyo Met.	6	Tokyo Bay	Sea bass	88
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	97
•	Nagoya City	8	Nagoya Port	Striped mullet	39
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	47
•	Osaka Pref.	10	Osaka Bay	Sea bass	26
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	6
•	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	10
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	14
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
•	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
•	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	6
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	6
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of Tikubushima Island)	Great Cormorant	390
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	5,600
		value		Egg of Great Cormorant (Egg white)	22

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

[21] Hexachlorobuta-1,3-diene/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 9/22 (Missing value: 0)
Detection Frequency (sample): 9/22 (Missing value: 0)

Detection limit: 5 Quantification limit: 13

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	19
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/3	8/18	0/1
Detection Frequency (sample)	1/3	8/18	0/1
Geometric mean	nd	nd	
Median	nd	nd	
Maximum	tr(7)	19	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	nd
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(7)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	15
	Iwate Pref.	3	Yamada Bay	Greenling	tr(9)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	19
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(5)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	nd
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	tr(5)
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	tr(5)
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	tr(5)
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	tr(5)
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	29
		value		Egg of Great Cormorant (Egg white)	nd

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[23] Short-chain chlorinated paraffins/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 6/22 (Missing value: 0)
Detection Frequency (sample): 6/22 (Missing value: 0)

Detection limit: *1,000 Quantification limit: *2,800

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	4,900
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	3/18	1/1
Detection Frequency (sample)	2/3	3/18	1/1
Geometric mean	tr(1,900)	nd	-
Median	2,800	nd	
Maximum	4,900	4,500	tr(1,400)
Minimum	nd	nd	tr(1,400)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	4,900
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	2,800
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	tr(1,600)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	4,500
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	2,800
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	tr(1,400)
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	tr(1,900)
		value		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).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 4) nd: Not detected

⁽Note 5) *: Indicates the sum value of the Quantification [Detection] limits of each congeners.

[23-1] Chlorinated decanes/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 5/22 (Missing value: 0)
Detection Frequency (sample): 5/22 (Missing value: 0)

Detection limit : 300 Quantification limit : 900

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(700)
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	3/18	0/1
Detection Frequency (sample)	2/3	3/18	0/1
Geometric mean	tr(400)	nd	
Median	tr(700)	nd	
Maximum	tr(700)	tr(500)	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(700)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(700)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	tr(500)
	Iwate Pref.	3	Yamada Bay	Greenling	tr(500)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	nd
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	tr(500)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	nd
		value		Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[23-2] Chlorinated undecanes/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 7/22 (Missing value: 0)
Detection Frequency (sample): 7/22 (Missing value: 0)

Detection limit : 300 Quantification limit : 800

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,800
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	4/18	1/1
Detection Frequency (sample)	2/3	4/18	1/1
Geometric mean	tr(700)	nd	
Median	1,300	nd	
Maximum	1,800	1,400	1,100
Minimum	nd	nd	1,100

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	1,800
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	1,300
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	1,100
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,200
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	1,400
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	900
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
•	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	1,100
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	nd
		value		Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[23-3] Chlorinated dodecanes/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 4/22 (Missing value: 0)
Detection Frequency (sample): 4/22 (Missing value: 0)

Detection limit : 200 Quantification limit : 600

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,400
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	2/18	0/1
Detection Frequency (sample)	2/3	2/18	0/1
Geometric mean	tr(300)	nd	
Median	tr(500)	nd	
Maximum	700	1,400	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	700
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(500)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,400
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	600
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	900
		value		Egg of Great Cormorant (Egg white)	nd

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) tr : Detection limit value and more, less than Quantification limit value.

[23-4] Chlorinated tridecanes/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 5/22 (Missing value: 0)
Detection Frequency (sample): 5/22 (Missing value: 0)

Detection limit : 200 Quantification limit : 500

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	1,900
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	2/18	1/1
Detection Frequency (sample)	2/3	2/18	1/1
Geometric mean	tr(400)	nd	
Median	tr(300)	nd	
Maximum	1,700	1,900	tr(300)
Minimum	nd	nd	tr(300)

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	1,700
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	tr(300)
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	1,900
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	nd
	Nagoya City	8	Nagoya Port	Striped mullet	tr(300)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	nd
	Osaka Pref.	10	Osaka Bay	Sea bass	nd
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	nd
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	tr(300)
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,000
		value		Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[24] Dicofol/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 9/22 (Missing value: 0)
Detection Frequency (sample): 9/22 (Missing value: 0)

Detection limit: 10 Quantification limit: 30

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	330
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	1/3	8/18	0/1
Detection Frequency (sample)	1/3	8/18	0/1
Geometric mean	nd	tr(10)	
Median	nd	nd	
Maximum	tr(20)	330	nd
Minimum	nd	nd	nd

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	nd
	Yokohama City	2	Yokohama Port	Green mussel	tr(20)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	nd
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	nd
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	tr(10)
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	tr(20)
	Nagoya City	8	Nagoya Port	Striped mullet	tr(20)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(10)
	Osaka Pref.	10	Osaka Bay	Sea bass	210
	Hyogo Pref.	11	Offshore of Himeji	Sea bass	nd
	Tottori Pref.	12	Nakaumi	Sea bass	nd
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(10)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	tr(10)
	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	330
	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	nd
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	30
		value		Egg of Great Cormorant (Egg white)	nd

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[25] Perfluorohexane sulfonic acid (PFHxS)/wildlife (pg/g-wet)

Monitored year: 2020

Detection Frequency (site): 13/22 (Missing value: 0)
Detection Frequency (sample): 13/22 (Missing value: 0)

Detection limit : 2 Quantification limit : 5

	Aggregated value
Geometric mean	tr(3)
Median	tr(3)
Maximum	190
Minimum	nd

	Bibalves	Fish	Birds
Detection Frequency (site)	2/3	10/18	1/1
Detection Frequency (sample)	2/3	10/18	1/1
Geometric mean	tr(2)	tr(3)	-
Median	tr(3)	tr(2)	
Maximum	tr(3)	18	190
Minimum	nd	nd	190

	Local communities	No.	Monitored sites	Wildlife species	Measured value
Bibalves	Iwate Pref.	1	Yamada Bay	Blue mussel	tr(3)
	Yokohama City	2	Yokohama Port	Green mussel	tr(3)
	Ishikawa Pref.	3	Coast of Noto Peninsula	Blue mussel	nd
Fish	Hokkaido	1	Offshore of Kushiro	Rock greenling	nd
		2		Chum salmon	nd
	Iwate Pref.	3	Yamada Bay	Greenling	tr(4)
	Miyagi Pref.	4	Sendai Bay (Matsushima Bay)	Greenling	9
	Ibaraki Pref.	5	Offshore of Joban	Chub mackerel	nd
	Tokyo Met.	6	Tokyo Bay	Sea bass	15
	Kawasaki City	7	Offshore of Ogishima Island, Port of Kawasaki	Sea bass	17
•	Nagoya City	8	Nagoya Port	Striped mullet	tr(3)
	Shiga Pref.	9	Lake Biwa, Riv. Ado (Takashima City)	Dace	tr(4)
	Osaka Pref.	10	Osaka Bay	Sea bass	5
•	Hyogo Pref.	11	Offshore of Himeji	Sea bass	18
	Tottori Pref.	12	Nakaumi	Sea bass	tr(2)
	Hiroshima City	13	Hiroshima Bay	Sea bass	nd
	Kagawa Pref.	14	Takamatsu Port	Striped mullet	tr(3)
	Kochi Pref.	15	Mouth of Riv. Shimanto (Shimanto City)	Sea bass	nd
-	Oita Pref.	16	Mouth of Riv. Oita (Oita City)	Sea bass	nd
•	Kagoshima Pref.	17	West Coast of Satsuma Peninsula	Sea bass	nd
•	Okinawa Pref.	18	Nakagusuku Bay	Okinawa seabeam	nd
Birds	Shiga Pref.	1	Lake Biwa(Lake Kita, offshore of	Great Cormorant	190
			Tikubushima Island)		
	Hyogo Pref.	Reference	Koya Pond (Itami City)	Egg of Great Cormorant (Egg yolk)	1,400
		value		Egg of Great Cormorant (Egg white)	9

(Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 2) Data treated as detected means detection limit value and more.

[1] Total Polychlorinated biphenyls (Total PCBs)/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit: *0.6 Quantification limit: *1.8

	Aggregated value
Geometric mean	82
Median	82
Maximum	360
Minimum	21

Local communities	No.	Monitored sites	Warm Sampling dates		Air sampler
TT-1-1 1-1-	1	Version Community and a transfer to the December (Version City)	10/2 - 10/9	Measured value	M37
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	71	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	21	HV
заррого Спу		Sapporo Art Fark (Sapporo City)	9/29 - 9/30	21	11 V
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	32	HV
Iwate Ffet.	3	Sugo Air Quanty Monitoring Station (Takizawa City)	9/28 - 9/29	32	пν
) (' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	-	Maria Contract Contra	9/30 - 10/1	5.0	3.67
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	56	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	40	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	100	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	110	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	120	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	51	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	150	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	150	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	110	HV
8			9/15 - 9/16	-	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	160	HV
J			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	58	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	120	HV
		Environment (Kofu City)	9/15 - 9/16		
		37	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	55	MV
		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	120	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	170	MV
	1.0		0/14 0/15		
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	60	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u> </u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	360	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	110	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	160	HV
•		, , , , , , , , , , , , , , , , , , , ,	10/27 - 10/28	1	
			10/28 - 10/29	1	
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	82	HV
			10/27 - 10/28	i	
			10/28 - 10/29	1	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	31	HV
			10/20 - 10/21	1	
			10/21 - 10/22	1	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	100	HV
Throshina City	23	Timosimia City Rokaanji Jamoi Tiigii School (Tiirosimia City)	10/20 - 10/21	100	11 4
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	140	MV
r amaguciii Prei.	20		9/8 - 9/13	140	IVI V
		Environment (Yamaguchi City)			
	27	H .H 14 1M10 C + (H .C.+)	11/20 11/27	44	3.67
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	44	MV
m 1 1: n a	20		10/10 10/20	0.5	
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	87	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	110	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	76	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	75	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	150	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	69	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	65	HV
		Environmental Science (Udo City)	10/27 - 10/28	1	
		` "	10/28 - 10/29	j l	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	54	MV
,		Environment (Miyazaki City)		- '	
		()			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	59	HV
124503111114 1 101.	30	and Public Health (Kagoshima City)	10/19 - 10/20		11 1
		and I dono Heartin (rangoominia City)	10/20 - 10/21		
Okinawa Pref.	27	Cape Hedo (Kunigami Village)		20	HV
Okinawa Prei.	37	Cape riedo (Kuniganii vinage)	9/28 - 9/29	38	пν
			9/29 - 9/30		
	1		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) \ast : Indicates the sum value of the Quantification [Detection] limits of each congeners.

[1-1] Monochlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit: 0.02 Quantification limit: 0.05

	Aggregated value
Geometric mean	8.3
Median	9.5
Maximum	31
Minimum	1.4

Local communities	No.	Monitored sites	Warm s		Air sampler
TT-1-1 1-1-	1	Version Community and a transfer to the December (Version City)	Sampling dates	Measured value	M37
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.9	HV
support enj	_	Support Furt Cark (Support City)	9/29 - 9/30	2.9	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	5.0	HV
Twate Tiel.	5	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	5.0	11.4
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	4.8	MV
wiiyagi i ici.		(Sendai City)	10/10 - 10/23	7.0	IVIV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	4.8	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	18	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	9.5	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	12	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.7	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	31	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	17	MV
		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	6.2	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	11	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	5.5	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	12	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	6.7	MV
		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	28	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	9.0	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	5.7	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	6.0	HV
		Annex (Osaka City)	10/13 - 10/14		
	I		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	9.5	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	15	HV
•		` •	10/27 - 10/28]	
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	8.2	HV
1 (414 1 1 1 1 1		Tomit in Quality Memoring Sunten (Tomit Stay)	10/27 - 10/28	0.2	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	4.7	HV
Similanc 1 Ici.	24	Oki Ivational Acid Rain Observatory (Okinosinina Town)	10/20 - 10/21	7.7	11 V
				1	
*** 11 61	2.5		10/21 - 10/22	0.0	****
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	9.8	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	18	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	11	MV
		, , ,			
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	6.8	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/21 10/22	13	MV
Kagawa 11ci.	29	Sciences and Public Health (Takamatsu City)	10/14 - 10/21	13	1 V1 V
		Sciences and I done Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	12	MV
	30	Ragawa i refecturar i uone Swinining i ooi (Takamatsu City)	10/14 - 10/21	12	1V1 V
Ehime Pref.	2.1	Elima Professional Community Name Project 1000	10/5 - 10/6	7.7	HV
Enime Prei.	31	Ehime Prefectural Government Nanyo Regional Office		1.7	нv
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	13	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	6.1	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	20	HV
		Environmental Science (Udo City)	10/27 - 10/28		
	L		10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	11	MV
•		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	11	HV
Ü		and Public Health (Kagoshima City)	10/20 - 10/21	1	
		, , , , , , , , , , , , , , , , , , , ,	10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	1.4	HV
OKIIIawa I ICI.	31	Cape 11000 (Kuniganii vinage)		1.7	11 V
			9/29 - 9/30		
	l		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-2] Dichlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	25
Median	26
Maximum	59
Minimum	8.2

Local communities	No.	Monitored sites	Warm s		Air sampler
TT 11 '1	1	W 1: C 101 C + 1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	12	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	8.2	HV
виррого спу	_	Support First and (Support City)	9/29 - 9/30	0.2	11,
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	13	HV
1		Sugerin Quanty momentum summer (runnam eng)	9/29 - 9/30	15	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	22	MV
111) ugi 11011		(Sendai City)	10/10 10/25		1111
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	15	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	32	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	29	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	32	MV
•		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	25	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	42	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	49	MV
		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	30	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	43	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	20	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	45	HV
		Environment (Kofu City)	9/15 - 9/16		
	L		9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	15	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	35	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	50	MV
) (' P 0	10	Mr. D. G. J. H. H. L. D. J. D. L.	0/14 0/15	10	****
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	19	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	47	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	29	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	41	HV
,			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	26	HV
Nata 11CI.	23	Telli Ali Quality Monitoring Station (Telli City)	10/20 - 10/27	20	11 V

at: p o			10/28 - 10/29	0.4	****
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	8.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	29	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	59	MV
	20	Environment (Yamaguchi City)	2.0 2.13		111 1
		Environment (Tuniagueni erty)			
	27	H: H14: 1 W-16: C (H: C:+-)	11/20 - 11/27	1.4	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/2/	14	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	23	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	32	MV
J		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	27	MV
	30	ragawa i refecturar i uone owinining i oor (i akanatsa erty)	10/14 10/21	27	141 4
E1: D C	2.1	Di D C + 1C + 1 D + 10 M	10/5 10/6	21	****
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	21	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	30	HV
			10/21 - 10/22		
			10/22 - 10/23	1	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
8		g			
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	22	HV
Kumamoto Pref.	34			44	пν
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	21	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	18	HV
Ü		and Public Health (Kagoshima City)	10/20 - 10/21	j l	
		(8 5.77)	10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	13	HV
Okinawa Prei.	31	Cape ricao (Kuniganii vinage)		13	пν
			9/29 - 9/30	ļ l	
	l		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-3] Trichlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	21
Median	22
Maximum	64
Minimum	4.5

Local communities	No.	Monitored sites	Warm : Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	11	MV
Hokkaldo	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	11	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	4.5	HV
support eny	1 ~	Support Furt Cark (Support City)	9/29 - 9/30	1.5	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	6.9	HV
177400 11011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30	0.5	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	13	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/25		1.1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	9.3	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	28	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	42	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	38	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	15	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	41	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	35	MV
т оконаша Спу	11	(Yokohama City)	10/19 - 10/20	33	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	34	HV
1 111 guille 1 1 0 11	12	o yana ini Quanty momentag samon (ringaa eny)	9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	41	HV
10) 41144 11011	10	Tomain Tim Quarty Montesting Sunton (Tomain City)	9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	17	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		37	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	27	HV
		Environment (Kofu City)	9/15 - 9/16		
		\$7	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	14	MV
Trugums TTOM	10	(Nagano City)	10/20 10/2/		1.1
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	29	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	46	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	15	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	64	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	110.	Workored Sites	Sampling dates	Measured value	7 tii Sampiei
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	32	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	53	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	25	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	9.4	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	22	HV
Tinosinina City	23	Timosimia City Rokaanji Jamoi Tiigii School (Tiirosimia City)	10/20 - 10/21	22	111
			10/20 - 10/21		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	33	MV
i amaguciii Prei.	20		9/8 - 9/13	33	IVI V
		Environment (Yamaguchi City)			
	27	H .H 14 1M10 C + (H .C.+)	11/20 11/27	10	107
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	10	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	27	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	27	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	18	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	19	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	32	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
8					
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	12	HV
	-	Environmental Science (Udo City)	10/27 - 10/28		
			10/27 - 10/28		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/28 - 10/29	12	MV
iviiyazaki i ici.))	Environment (Miyazaki City)	10/3 - 10/12	12	1 V1 V
		Environment (myazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/10 10/20	12	HV
Kagosnima Pref.	30		10/19 - 10/20	12	нv
		and Public Health (Kagoshima City)	10/20 - 10/21		
01.	2-		10/21 - 10/22	1.5	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	16	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-4] Tetrachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	13
Median	15
Maximum	90
Minimum	2.9

Local communities	No.	Monitored sites	Warm s Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	16	MV
поккацо	1	Rushiro General Subpresectural Bureau (Rushiro City)	10/2 - 10/9	16	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.9	HV
Support City		Support Furt Faire (Support City)	9/29 - 9/30	2.9	111
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	3.9	HV
11100011011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30	3.5	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	7.8	MV
1111) 461 1 1011		(Sendai City)	10/10 10/25	,,,	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	5.3	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	15	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	20	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	23	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	6.3	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	23	HV
			10/6 - 10/7		
V-11	1.1	Yokohama Environmental Science Research Institute	10/7 - 10/8	25	MV
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	23	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	21	HV
ringata rion	12	oyuna in Quanty Momoring Station (Migual City)	9/15 - 9/16	21	11 1
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	30	HV
1 oyumu 1 ter.	13	Tolianii 7 iii Quanty Wollitoring Station (Tolianii City)	9/16 - 9/17	30	11 4
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	9.2	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		37	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	17	HV
		Environment (Kofu City)	9/15 - 9/16	-,	
		(3)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	11	MV
ç		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	17	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	28	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	11	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	90	HV
		Annex (Osaka City)	10/13 - 10/14		
	1	•	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	24	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	32	HV
Hooe City		resolution of freath (resolution)	10/27 - 10/28	32	11 '
			10/27 - 10/28		
N. D. C	22	m it is a time to the control of the		12	****
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	13	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	5.1	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	19	HV
THI COMMING CITY		Threshind evy Hendady value High senser (Hineshind evy)	10/20 - 10/21		
Vamagust: D	20	Vomes covale: Duefoctomal Institute -f.D1-11 - II - 141 1	10/21 - 10/22	10	1.437
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	19	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	5.6	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	16	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
		(10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/21 - 10/22	20	MV
Kagawa Prei.	29		10/14 - 10/21	20	IVI V
		Sciences and Public Health (Takamatsu City)			
	20	W. D. C. (D. 11) G. (D. 17) J. (C.)	10/14 10/21	10	107
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	10	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	12	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	28	HV
		\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	11	MV
Saga Fici.	33	Saga Freiectural Environmental Research Center (Saga City)	9/9 - 9/10	11	IVI V
**	2 .	N	10/07 10/07		·
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	6.8	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	5.9	MV
•		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	8.3	HV
imgosiiiia i ici.	50	and Public Health (Kagoshima City)	10/20 - 10/21	0.5	11 4
		and I done Heardi (Kagosiiiiia City)			
01:		0 17 1 07 1 17711	10/21 - 10/22		·
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	5.7	HV
		1	0/20 0/20	i l	
			9/29 - 9/30	l l	

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-4-1] 3,3',4,4'-Tetrachlorobiphenyl (#77) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.1
Median	0.09
Maximum	0.62
Minimum	tr(0.03)

Local communities	No.	Monitored sites	Warm s		Air sampler
Hokkaido	1	Version Community and street Decree (Version City)	Sampling dates 10/2 - 10/9	Measured value	MV
Нокказдо	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.30	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.03)	HV
	_	(9/29 - 9/30	(0.00)	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.03)	HV
11100011011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30	4(0.05)	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	0.08	MV
wiiyagi i ici.		(Sendai City)	10/10 10/23	0.00	141 4
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.05	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.11	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.11	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.12	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.06	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.16	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.15	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.17	HV
ringata rici.	12	Oyuna 711 Quanty Montoring Station (Migata City)	9/15 - 9/16	0.17	111
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.31	HV
Toyama Tier.	13	Tonami An Quanty Monitoring Station (Tonami City)	9/16 - 9/17	0.51	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.05	HV
Ishikawa I ICi.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	0.03	11 4
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.12	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	0.12	11 V
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.08	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	0.08	1V1 V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.08	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.24	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.07	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.62	HV
		Annex (Osaka City)	10/13 - 10/14		
	ì	, • ,	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.14	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.12	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.07	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.07	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.18	HV
Tinosinina City	23	Timosimia City Rokaanji Jamoi Tiigii School (Tiirosimia City)	10/20 - 10/21	0.10	11 V
			10/20 - 10/21		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.16	MV
r amagucini Prei.	20		9/8 - 9/13	0.10	IVI V
		Environment (Yamaguchi City)			
	27	H : H 14 1W16 G + (H : C'-)	11/20 11/27	0.07	107
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.05	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.09	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.11	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.07	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.08	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.24	HV
			10/21 - 10/22		
			10/22 - 10/23	1	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.07	MV
Sugu 11ci.	33	Sugu i refecturar Environmentar researen Center (Sugu City)	3/3 3/10	0.07	111 1
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.07	HV
Kumamow Fiel.	74	Environmental Science (Udo City)	10/26 - 10/27	0.07	11 V
		Environmental science (odo city)			
Mi1-: D C	25	Minarali Bushataan Institute for Bullia Harida. 1	10/28 - 10/29	0.04	MV
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.04	MV
		Environment (Miyazaki City)			
** 11 = -	2 -		10/10 10/20	2.12	
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.12	HV
		and Public Health (Kagoshima City)	10/20 - 10/21	ļ	
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.03)	HV
			9/29 - 9/30		
	l		9/30 - 10/1	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 samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

[1-4-2] 3,4,4',5-Tetrachlorobiphenyl (#81) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 17/37 (Missing value: 0) Detection Frequency (sample): 17/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.058
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaldo	1	Rushiro General Suopretectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support eny	1 ~	Support First and (Support City)	9/29 - 9/30	iiu	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Sugerin Quanty momentum summer (runnam eny)	9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
1111) ug. 1 1011	·	(Sendai City)	10/10 10/20	u	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.013)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(0.009)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.018)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.016)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.016)	HV
11119444 1141		o yana i mi Quanty momening samen (migaai eny)	9/15 - 9/16	11(0.010)	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.028	HV
rojuma rren.	13	Tolland 7 in Quality (Volutioning Station (Tolland City)	9/16 - 9/17	0.020	11 1
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.009)	HV
		Environment (Kofu City)	9/15 - 9/16	(****)	
		, , , , , , , , , , , , , , , , , , ,	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
C		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	<u></u>		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.011)	MV
M. P. C	10	Mr. D. C. d. H. H. L. D. d. D. d. V. d.	0/14 0/15	. (0.000)	****
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.009)	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.7.2			9/16 - 9/17	(0.010)	
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	tr(0.019)	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	7 tii sampiei
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.011)	HV
•		` •	10/27 - 10/28	, , ,	
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	0.021	HV
Tinosinna City	23	Throshina City Kokutaiji Junioi Trigii School (Tiroshina City)	10/20 - 10/21	0.021	11 V
			10/20 - 10/21		
Yamaguchi Pref.	26	V		1	M
r amaguchi Prei.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
		Environment (Yamaguchi City)			
	27	W : W 14 1W 16 G + W : G:	11/20 11/27	1	107
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
			10110 1015	(0.00)	
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(0.008)	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(0.010)	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.024	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.019)	HV
		Environmental Science (Udo City)	10/27 - 10/28	` ′	
		` "	10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
,		Environment (Miyazaki City)			
		(,			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.058	HV
134505111114 1 101.	30	and Public Health (Kagoshima City)	10/20 - 10/21	0.030	11 4
		and I done Heardi (Magosiiiiia City)	10/20 - 10/21		
Olrinary Df	27	Cone Hade (Vynisemi Villege)	9/28 - 9/29	d	HV
Okinawa Pref.	37	Cape Hedo (Kunigami Village)		nd	пν
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-5] Pentachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	6.7
Median	6.5
Maximum	110
Minimum	1.3

Local communities	No.	Monitored sites	Warm s		Air sampler
TT 11 '1	1	W 1: C 101 C 1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	23	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.8	HV
Support City	_	Support First and (Support City)	9/29 - 9/30	1.0	11 '
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	2.0	HV
Twate Tiel.	3	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	2.0	11 V
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	5.0	MV
wiiyagi i ici.		(Sendai City)	10/10 10/23	3.0	171 7
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	3.2	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	5.6	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	6.6	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	9.9	MV
-		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.9	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	12	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	15	MV
		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	10	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	19	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	4.1	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	11	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	6.1	MV
		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	6.2	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	15	MV
					<u></u>
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	6.0	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	110	HV
		Annex (Osaka City)	10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	1,01		Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	12	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	10	HV
			10/27 - 10/28		
			10/28 - 10/29]	
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	6.5	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.4	HV
211111111111111111111111111111111111111		om randim returnam seed randry (samesima return)	10/20 - 10/21		
			10/21 - 10/22	1	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	17	HV
nirosiiina City	23	Hiroshima City Kokutaiji Junior High School (Hiroshima City)		1 /	п٧
			10/20 - 10/21		
77 1:0 0	2.6		10/21 - 10/22	60	
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	6.9	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	2.0	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	9.0	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
		,	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	10	MV
8		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	6.2	MV
		Tangawa 1101000ma 1 uono 2 wiimining 1 ooi (1 unumusuu 2119)	10/11/10/21	0.2	112 1
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	8.7	HV
Emme Trei.	31	(Uwajima City)	10/6 - 10/7	0.7	11 1
		(Owajina City)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	15	HV
rukuoka Piei.	32	Omuta City Government Building (Omuta City)	*****	13	п٧
			10/21 - 10/22	,	
a . D . C	22		10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	5.6	MV
					<u></u>
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	2.9	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	2.7	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	4.8	HV
S		and Public Health (Kagoshima City)	10/20 - 10/21	1	
			10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	1.3	HV
OKIIIGWA I ICI.	31	Cape Head (Rumgum + mage)	9/29 - 9/30	1.3	11 4

	1		9/30 - 10/1	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 samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-5-1] 2,3,3',4,4'-Pentachlorobiphenyl (#105) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.18
Median	0.16
Maximum	3.3
Minimum	0.03

Local communities	No.	Monitored sites	Warm s		Air sampler
Hokkaido	1	Version Community and section 1 December (Version City)	Sampling dates 10/2 - 10/9	Measured value	MV
Ноккаідо	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.38	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.04	HV
support enj	~	Support Furt Cark (Support City)	9/29 - 9/30	0.01	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.04	HV
Twate Tiel.	3	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.04	11.4
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	0.16	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	0.10	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.07	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.14	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.16	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.22	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.09	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.33	HV
			10/6 - 10/7		
V 1 1 G:	1.1	Yokohama Environmental Science Research Institute	10/7 - 10/8	0.39	107
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.39	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.28	HV
ringula rion	1-2	oyuna in Quanty Momoring Station (Migual City)	9/15 - 9/16	0.20	11 1
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.81	HV
rojuma rren	13	Tolland Till Quality (Volutioning Station (Tolland City)	9/16 - 9/17	0.01	11 1
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.08	HV
Ishikawa 11ci.	1 .	Environmental Science (Kanazawa City)	9/15 - 9/16	0.00	11 1
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.26	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	0.20	111
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.16	MV
ragano i rei.	10	(Nagano City)	10/20 10/27	0.10	141 4
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.15	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		, , ,	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.64	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.14	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	3.3	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.36	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.23	HV
Hooe City		resolve institute of freutal (resolve city)	10/27 - 10/28	0.23	11 '
		m this attribute to the state of	10/28 - 10/29	0.15	****
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.17	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.09	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.45	HV
Throshina City	23	Throshina City Rokutaiji sumoi Tiigii School (Tiiroshina City)	10/20 - 10/21	0.43	111
**	2 -	17 17 0 17 17 17 17 17 17 17 17 17 17 17 17 17	10/21 - 10/22	0.25	
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.32	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.10	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.22	HV
rokusiiiia rrei.	20	Environmental Sciences Center (Tokushima City)	10/20 - 10/21	0.22	11 '
		Environmental Sciences Center (Tokusinina City)			
*** ***	20	T D O . ID II C . C . D	10/21 - 10/22	0.25	
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.27	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.15	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.23	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.41	HV
i ukuoka Piel.	32	Omuta City Government Bunding (Omuta City)		0.41	пν
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.15	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.08	HV
		Environmental Science (Udo City)	10/27 - 10/28		
		` "	10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.06	MV
iviiyazaki i ici.))	Environment (Miyazaki City)	10/3 - 10/12	0.00	1V1 V
		Environment (wilyazaki City)			
W 1: P 2	2.	W 1: D C 4 1I C 4 C D : 4 D . 5	10/10 10/20	0.16	****
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.16	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.03	HV
			9/29 - 9/30		
	1		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-5-2] 2,3,4,4',5-Pentachlorobiphenyl (#114) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 34/37 (Missing value: 0)
Detection Frequency (sample): 34/37 (Missing value: 0)

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.02)
Maximum	0.27
Minimum	nd

Local communities	No.	Monitored sites		season	Air sampler
TT 11 '1	1	W 1: C 101 C (1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.04	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.01)	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	tr(0.01)	MV
1 uningulu 1 101		City)	3,20 10,2	4(0.01)	112 1
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.02)	MV
		City)		, ,	
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(0.02)	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.03	MV
•		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
	9	Cincingina isianu (Ogasawata vinage)	10/4 - 10/11	11(0.01)	IVI V
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.04	HV
<i>8</i>			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	0.04	MV
·		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.03	HV
C			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.07	HV
•		, , , , , , , , , , , , , , , , , , , ,	9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.01)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16	, ,	
		`	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.03	HV
		Environment (Kofu City)	9/15 - 9/16		
		<u> </u>	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	tr(0.02)	MV
S		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	tr(0.02)	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14	` ′	
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.06	MV
	10	M. D. C. J. H. H. J. T. J. D. J.	0/14 0/17	. (0.00)	777.7
1.C. D. 0	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.02)	HV
Mie Pref.		U v ovvojehi ('itv)	9/15 - 9/16		
Mie Pref.		(Yokkaichi City)		l l	
	2.0		9/16 - 9/17	0.27	***-
Mie Pref. Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)		0.27	HV

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities			Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.03	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.01)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.05	HV
•			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.03	MV
-		Environment (Yamaguchi City)			
		, ,			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.01)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(0.02)	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21	, , ,	
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.03	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	tr(0.02)	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.05	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.01)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.02)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	tr(0.01)	MV
		Environment (Miyazaki City)			
					w pro-
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.09	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-5-3] 2,3',4,4',5-Pentachlorobiphenyl (#118) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.52
Median	0.49
Maximum	10
Minimum	0.098

Local communities	No.	Monitored sites	Warm		Air sampler
TT-1-1 1-1-	1	Version Community and section 1 December (Version City)	Sampling dates 10/2 - 10/9	Measured value	MV
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	1.4	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.11	HV
Support City	1 ~	Support Furt Cark (Support City)	9/29 - 9/30	0.11	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.15	HV
Twate Tiel.		Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.13	11 '
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	0.44	MV
wiiyagi i ici.		(Sendai City)	10/10 10/25	01-1	141.4
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.22	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.36	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.43	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.65	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.20	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.92	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.2	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.82	HV
ringata i ici.	12	Oyuna 711 Quanty Montoring Station (Migata City)	9/15 - 9/16	0.02	11.
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2.0	HV
Toyama Tiei.	13	Tonami An Quanty Monitoring Station (Tonami City)	9/16 - 9/17	2.0	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.26	HV
Isiiikawa I ICI.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	0.20	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.79	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	0.77	11 V
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.46	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	0.40	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.41	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.6	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.49	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u>L_</u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	10	HV
		Annex (Osaka City)	10/13 - 10/14		
	1	•	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	•
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.0	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.71	HV
			10/27 - 10/28		
			10/28 - 10/29]	
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.50	HV
			10/27 - 10/28	1	
			10/28 - 10/29	1	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.22	HV
		,	10/20 - 10/21	1	
			10/21 - 10/22	1	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	1.3	HV
,			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.63	MV
i amagacini i ici.	20	Environment (Yamaguchi City)	210 2113	0.03	141 4
		Environment (Tamagaem City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.18	MV
	21	Tragi freaturand werrare center (fragi enty)	11/20 - 11/2/	0.16	1 V1 V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.69	HV
i okusnima Prei.	28			0.68	ΗV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
II D C	20	Tr. D.C. ID. III. C. C. D	10/21 - 10/22	0.70	107
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.79	MV
		Sciences and Public Health (Takamatsu City)			
	20	W D C + 1D 11' C ' D 1/T 1 + C')	10/14 10/21	0.47	3.07
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.47	MV
T1: D 0	2.1		10/5 10/6	0.60	****
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.68	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	1.1	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.38	MV
	<u> </u>				
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.20	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.18	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.44	HV
		and Public Health (Kagoshima City)	10/20 - 10/21]	
			10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.098	HV
			9/29 - 9/30	j	
			9/30 - 10/1		
	1	1	7/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-5-4] 2',3,4,4',5-Pentachlorobiphenyl (#123) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 34/37 (Missing value: 0)
Detection Frequency (sample): 34/37 (Missing value: 0)

	Aggregated value
Geometric mean	tr(0.02)
Median	tr(0.01)
Maximum	0.19
Minimum	nd

Local communities	No.	Monitored sites	Warm s		Air sampler
Hokkaido	1	Version Comment Colored Section 1 Decree (Version City)	Sampling dates 10/2 - 10/9	Measured value	MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.03	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
Support on,	_	suppore The Fair (suppore eng)	9/29 - 9/30	11.0	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30	` ′	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	tr(0.01)	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	tr(0.01)	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.01)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(0.02)	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(0.02)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.02)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.02)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.03	HV
Milgata Prei.	12	Oyama Air Quanty Monitoring Station (Niigata City)	9/14 - 9/13	0.03	п٧
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.05	HV
1 oyuma 1 rei.	13	Tollarin 7th Quanty Mointoring Station (Tollarin City)	9/16 - 9/17	0.03	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.01)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16	, , ,	
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.01)	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.01)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	tr(0.01)	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.03	MV
Mr. B. °	10	M. D. C. J. H. H. T.	0/14 0/15	. (0.01)	****
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.01)	HV
		(Yokkaichi City)	9/15 - 9/16		
	20	Osaka Joint Prefectural Government Building, Building 2	9/16 - 9/17	0.10	T T T 7
	- 70	IOsaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.19	HV
Osaka Pref.	20	Annex (Osaka City)	10/13 - 10/14	l	

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities			Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.02)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.01)	HV
			10/27 - 10/28	, í	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
		,	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.03	HV
,			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	tr(0.02)	MV
r amagacin r ren	20	Environment (Yamaguchi City)	3/0 3/13	4(0.02)	111 1
		Environment (Tuningueni City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.01)	MV
	21	Tragi ficatur and Wertare Center (fragi City)	11/20 - 11/2/	u(0.01)	1V1 V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(0.01)	HV
i okusiiiiia Fici.	20	Environmental Sciences Center (Tokushima City)	10/19 - 10/20	u(0.01)	11 V
		Environmental Sciences Center (Tokushima City)			
V Df	20	V Dft1 D1 Jt.t-t-f Fi	10/21 - 10/22 10/14 - 10/21	t-(0.02)	MV
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(0.02)	IVI V
		Sciences and Public Health (Takamatsu City)			
	20	W D C (1D 11' C ' ' D 1/T 1 (C')	10/14 - 10/21	4 (0.01)	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.01)	IVI V
El: D C	2.1	F1: D C + 1C + 1N D : 100	10/5 10/6	4 (0.01)	7.73.7
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	tr(0.01)	HV
		(Uwajima City)	10/6 - 10/7		
E 1 1 D C	22	O t Git G t P iii (O t Git)	10/7 - 10/8	0.02	****
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.03	HV
			10/21 - 10/22		
			10/22 - 10/23	(0.04)	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.01)	MV
	L .				
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.01)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	tr(0.01)	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.04	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-5-5] 3,3',4,4',5-Pentachlorobiphenyl (#126) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 18/37 (Missing value: 0)
Detection Frequency (sample): 18/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.043
Minimum	nd

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30	1	
			9/30 - 10/1	1	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	tr(0.020)	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.012)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(0.020)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.014)	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	tr(0.011)	MV
i okonama City	11	(Yokohama City)	10/19 - 10/20	11(0.011)	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.015)	HV
8			9/15 - 9/16		
			9/16 - 9/17	ì	
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.030	HV
rojuma rren.	13	Tolland Till Quality Monitoring Station (Tolland City)	9/16 - 9/17	0.050	111
			9/17 - 9/18	1	
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
Isinkawa 1 ICi.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	ind ind	11 4
		Environmental Science (Ixanazawa City)	9/16 - 9/17	1	
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.010)	HV
ı amanasın Pici.	13	Environment (Kofu City)	9/14 - 9/15	u(0.010)	п٧
		Environment (Kotu City)			
N	17	Name Emiliary and Co. C. B. 17 C.	9/16 - 9/17	4(0.015)	3.637
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.015)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
Ollu Piel.	1/			iid	пv
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14	∤	
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	10/14 - 10/15 9/8 - 9/15	tr(0.017)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.010)	HV
		(Yokkaichi City)	9/15 - 9/16	1 · · · · · · · · · · · · · · · · · · ·	
	l		9/16 - 9/17	j l	
Osaka Pref.	20	Osaka Joint Prefectural Government Building. Building 2		0.026	HV
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13 10/13 - 10/14	0.026	HV

Local communities	No.	Monitored sites	Warm		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.009)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.009)	HV
			10/27 - 10/28	, , ,	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
		,	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.030	HV
1111 05111111111 0117		The estimate city rectaining realist results (recommended)	10/20 - 10/21	0.020	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
i amaguem i ici.	20	Environment (Yamaguchi City)	7/0 - 7/13	na	1V1 V
		Environment (1 amaguem erty)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
	21	hagi health and wellare center (hagi city)	11/20 - 11/2/	na	IVI V
Tokushima Pref.	20	Tokushima Prefectural Public Health, Pharmaceutical and	10/10 10/20	1	1137
I okushima Pref.	28		10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
** 5.0	20	T D 0 - 1D 17 - 10 - 0 D 1	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
		Sciences and Public Health (Takamatsu City)			
			10/11/10/21		
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
	L		10/5 10/6		
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.024	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.018)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.043	HV
="		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
	-	1 (8-/	9/29 - 9/30		
			9/30 - 10/1		
	1		7/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-6] Hexachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	2.9
Median	2.8
Maximum	41
Minimum	0.69

Local communities	No.	Monitored sites	Warm s		Air sampler
** 11 .1		W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	5.8	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.76	HV
Баррого Спу		Sapporo Art I ark (Sapporo City)	9/29 - 9/30	0.70	11 V
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.87	HV
Twate Tiel.	3	Sugo Ali Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.67	11 V
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	2.8	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	2.0	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	1.8	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	1.9	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	2.3	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	3.3	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.69	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	4.3	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	5.0	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	4.3	HV
Milgala Fiel.	12	Oyama An Quanty Montoring Station (Migata City)	9/14 - 9/13	4.3	11 V
			9/16 - 9/17		
Tayama Prof	12	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/17	9.2	HV
Toyama Pref.	13	Tonami Air Quanty Monitoring Station (Tonami City)	9/16 - 9/17	9.2	п٧
			9/16 - 9/17		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	1.5	HV
Isliikawa Fici.	14	Environmental Science (Kanazawa City)	9/14 - 9/13	1.5	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	3.7	HV
i amanasın Fici.	13	Environment (Kofu City)	9/14 - 9/13	3.7	11 V
		Environment (Rota City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	2.1	MV
Nagano Prei.	10	(Nagano City)	10/20 - 10/27	2.1	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	2.4	HV
J. 1 101.	1 - '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		11 1
		Zin i dimenti delences (Tantamigunara City)	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	11	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	2.4	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	41	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	1,01		Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	4.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	3.7	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	2.5	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.1	HV
211111111111111111111111111111111111111		om randim returnam seed randry (samesima return)	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	6.7	HV
nirosiiina City	23	Hiroshima City Kokutaiji Junior High School (Hiroshima City)		0.7	п٧
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	2.8	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.85	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	4.0	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
		,	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	3.9	MV
8		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	2.5	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	3.9	HV
		(Uwajima City)	10/6 - 10/7		
		(Cwajina City)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	20	HV
rukuoka rici.	32	Official City Government Building (Official City)	10/20 - 10/21	20	11 V
G P C	22		10/22 - 10/23	2.0	107
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	2.0	MV
**	2 :		10/07 10/07		*
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	1.1	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	1.4	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	2.9	HV
-		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.69	HV
	,	(******************************	9/29 - 9/30	0.07	-11 1
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-6-1] 2,3,3',4,4',5-Hexachlorobiphenyl (#156) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.03
Median	0.03
Maximum	0.42
Minimum	tr(0.01)

Local communities	No.	Monitored sites		season	Air sampler
TT 11 '1	1	W 1: C 101 C (1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.04	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.03	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	tr(0.02)	MV
1 411144444 1 1 1 1 1 1		City)	7,20 10,2	4(0102)	-112.1
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.03	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.03	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.04	MV
-		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(0.01)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.05	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.06	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.04	HV
Tviigata i ici.	12	Oyania An Quanty Montoring Station (Migata City)	9/15 - 9/16	0.04	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.12	HV
Toyama Tici.	13	Tollatili Ali Quanty Wollitoring Station (Tollatili City)	9/16 - 9/17	0.12	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.01)	HV
Isiikawa I ICI.	14	Environmental Science (Kanazawa City)	9/15 - 9/16	u(0.01)	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.03	HV
i amanasm Prei.	13	Environment (Kofu City)	9/14 - 9/13	0.03	п٧
		Environment (Kota City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.03	MV
Nagano Prei.	10	(Nagano City)	10/20 - 10/27	0.03	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	tr(0.02)	HV
	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14	(
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.19	MV
	4.0		0/14 0/25	(0.02)	
1 C T 2	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.02)	HV
Mie Pref.	1	(Yokkaichi City)	9/15 - 9/16		
Mie Pref.		\`\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		· ·	
			9/16 - 9/17		
Mie Pref. Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	9/16 - 9/17 10/12 - 10/13 10/13 - 10/14	0.42	HV

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	7 tii sampiei
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.05	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.03	HV
·		, , , , , , , , , , , , , , , , , , , ,	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28	, ,	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.01)	HV
		(10/20 - 10/21	-(0.00)	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	0.08	HV
Till Osillilla City	23	Timoshina City Kokutaiji Julioi Tiigii School (Tiiroshinia City)	10/19 - 10/20	0.08	11 V
			10/20 - 10/21		
V	26	V		0.04	MV
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.04	MV
		Environment (Yamaguchi City)			
		W 197 11 19710 G 1 (W 16)	11/20 11/25	(0.00)	
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.02)	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.03	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.04	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.04	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.15	HV
	-	g(10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.02)	MV
Sugu i ici.	33	Suga i refectural Environmental research Center (Suga City)	2/2 2/10	11(0.02)	141 4
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.03	HV
Kumamoto Frei.	34	Environmental Science (Udo City)		0.03	17 V
		Environmental Science (Odo City)	10/27 - 10/28		
M: 1:B C	2.5	MC 1'D C 4 11 C 4 C D 11' TT 14 1	10/28 - 10/29	4 (0.01)	107
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	tr(0.01)	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.11	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
	<u></u>		10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.01)	HV
			9/29 - 9/30		
			9/30 - 10/1		
	1		2.00	i .	

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

[1-6-2] 2,3,3',4,4',5'-Hexachlorobiphenyl (#157) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 26/37 (Missing value: 0)
Detection Frequency (sample): 26/37 (Missing value: 0)

	Aggregated value
Geometric mean	tr(0.011)
Median	tr(0.010)
Maximum	0.11
Minimum	nd

Local communities	No.	Monitored sites	Warm		Air sampler
TT 11 '1	1	W 1: C 101 C (1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.008)	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
	_	(9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	tr(0.019)	MV
Vama aata Duaf	5		9/25 - 10/2	nd	MV
Yamagata Pref.	3	Yamagata Institute of Environmental Sciences (Murayama City)	9/23 - 10/2	nd	IVI V
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.009)	MV
		• •			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.009)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(0.013)	MV
Tokyo Met.		Protection (Koto Ward)	10/10 10/25	11(0.013)	141 4
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.017)	HV
			10/6 - 10/7 10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	tr(0.017)	MV
Tononama eng		(Yokohama City)	10/19 10/20	4(01017)	
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.017)	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.037	HV
			9/16 - 9/17		
Ishikawa Pref.	1.4	I.I. II D I. I	9/17 - 9/18 9/14 - 9/15	1	HV
Ishikawa Prei.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15	nd	нv
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.010)	HV
i amanasin i ici.	13	Environment (Kofu City)	9/15 - 9/16	11(0.010)	11 4
		3,	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.010)	MV
-10					
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14 10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.087	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.5.0	20	0.1.1:48.6.4.10	9/16 - 9/17	0.11	****
	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.11	HV
Osaka Pref.	0	Annex (Osaka City)	10/13 - 10/14	l l	

Local communities	No.	Monitored sites		season	Air sampler
Local communities			Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.015)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.010)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.008)	HV
			10/27 - 10/28	, í	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.022	HV
·			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	tr(0.011)	MV
Z .		Environment (Yamaguchi City)		, ,	
		, , , , , , , , , , , , , , , , , , , ,			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(0.011)	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21	(* *)	
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(0.014)	MV
8		Sciences and Public Health (Takamatsu City)		(0.00.1)	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.008)	MV
				` ′	
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.022	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.081	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.008)	MV
IZ A D C	2.4	V D C . 11 CD 11 H 14	10/26 10/27	. (0.010)	1137
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.010)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
) C 1:5 2	2.5	AC 11D C 11 C 12 C D 12 Y 13	10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/10 10/20	0.036	HV
⊾agosnima Pref.	36		10/19 - 10/20	0.036	нv
		and Public Health (Kagoshima City)	10/20 - 10/21		
O1: D C	27		10/21 - 10/22	1	1137
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-6-3] 2,3',4,4',5,5'-Hexachlorobiphenyl (#167) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 29/37 (Missing value: 0)
Detection Frequency (sample): 29/37 (Missing value: 0)

	Aggregated value
Geometric mean	tr(0.015)
Median	tr(0.016)
Maximum	0.19
Minimum	nd

Local communities	No.	Monitored sites		season	Air sampler
Hokkaido	1	Vertice Coursel Colored at the Decree (Vertice City)	Sampling dates 10/2 - 10/9	Measured value	MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.018)	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support on,	_	cuppers and cuppers engly	9/29 - 9/30		11,
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.027	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(0.008)	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	tr(0.014)	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	tr(0.010)	MV
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	0.020	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.024	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.025	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.024	HV
- · · · · · · · · · · · · · · · · · · ·			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.055	HV
-			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
** *** ***	1.	1.0.0.17.2	9/16 - 9/17	0.001	
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.021	HV
		Environment (Kofu City)	9/15 - 9/16		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	9/16 - 9/17 10/20 - 10/27	tr(0.013)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	tr(0.010)	HV
Gilu I ICI.	1 /	Environmental Sciences (Kakamigahara City)	10/12 - 10/13	11(0.010)	11 4
		Zin i Simon Solonos (Takaninganara City)	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.069	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.016)	HV
	1	(Yokkaichi City)	9/15 - 9/16		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	9/16 - 9/17 10/12 - 10/13	0.19	HV

Local communities	No.	Monitored sites	Warm		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.027	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.020	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.013)	HV
			10/27 - 10/28	, ,	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.035	HV
Tinosinina City	23	Timosimia City Rokutaiji sumoi Tiigii School (Tinosimia City)	10/20 - 10/21	0.055	11 4
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	tr(0.015)	MV
i amagucini Prei.	20		9/8 - 9/13	u(0.013)	IVI V
		Environment (Yamaguchi City)			
	27	H : H 14 1W16 G + (H : C')	11/20 11/27	1	107
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
m 1 1: n a	20		10/10 10/20	(0.01.6)	****
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(0.016)	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(0.019)	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.012)	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.020	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.061	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.012)	MV
C				, ,	
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.008)	HV
	-	Environmental Science (Udo City)	10/27 - 10/28	2(0.000)	
			10/27 - 10/28		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/28 - 10/29	nd	MV
iviiyazaki i ici.	33	Environment (Miyazaki City)	10/3 - 10/12	IIU	1V1 V
		Environment (wiryazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/10 10/20	0.054	HV
Kagosnima Pref.	30		10/19 - 10/20	0.054	нv
		and Public Health (Kagoshima City)	10/20 - 10/21		
01.	2-		10/21 - 10/22		*
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd: Not detected

[1-6-4] 3,3',4,4',5,5'-Hexachlorobiphenyl (#169) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 1/37 (Missing value: 0)
Detection Frequency (sample): 1/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.016)
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
HOKKAIGO	1	Rushiro General Suopretectural Bureau (Rushiro City)	10/2 - 10/9	na	1 V1 V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support only	_	suppore ract and (suppore eng)	9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
177400 11011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
,		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	nd	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	nd	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
V-11	11	Yokohama Environmental Science Research Institute	10/7 - 10/8	1	MX
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	nd	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
ringuta rren.	1	oyuna in Quanty Momoring Station (Migual City)	9/15 - 9/16	na	11 1
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
rojuma rren.	13	Tolland Till Quality (Volutioning Station (Tolland City)	9/16 - 9/17	na	11 1
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		37	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environment (Kofu City)	9/15 - 9/16		
		(3)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
C		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	nd	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
,		\	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
Nata 11CI.	23	Telli Ali Quality Monitoring Station (Telli City)	10/20 - 10/27	IIu	11 V
a1: P 0	2.1		10/28 - 10/29		****
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
		Environment (Yamaguchi City)	2.0 2.13		.,,
		Environment (Tuniaguein City)			
	27	Heat Health and Walfara Contag (Heat City)	11/20 - 11/27		MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/2/	nd	IVI V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
8		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
	30	Ragawa i refecturar i ubite Swimming i oor (Takamatsu City)	10/14 - 10/21	IIG	1V1 V
T1: D 0	2.1		10/5 10/6		****
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	nd	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Sugu i ici.	33	Suga i refecturar Environmentar researen Center (Suga City)	2/2 2/10	na	141 4
T/ . D 0	2.4	T	10/06 10/07	,	****
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	nd	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	tr(0.016)	HV
12450011111111 1 101.	50	and Public Health (Kagoshima City)	10/20 - 10/21	4(0.010)	11 7
		and I done Hearth (Nagosiniia City)			
01.		0 77 1 07 1 1779	10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
		1	9/29 - 9/30	l l	
			7127 7130		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-7] Heptachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.65
Median	0.6
Maximum	11
Minimum	0.14

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.64	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.15	HV
виррого спу	_	Support Furt Faire (Support City)	9/29 - 9/30	0.13	11 4
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.14	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	0.58	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.61	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.35	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.35	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.66	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.14	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.96	HV
			10/6 - 10/7		
W 1 1 G':	11	Will Bring and Bring	10/7 - 10/8	0.70	107
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	0.79	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	1.2	HV
e			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	3.0	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.35	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
1:D C	1.5	Tr. 1:D.C. 11 C. CD 11: TI 14. 1	9/16 - 9/17	2.54	****
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.54	HV
		Environment (Kofu City)	9/15 - 9/16 9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.38	MV
11agano 1 101.	10	(Nagano City)	10/20 - 10/2/	0.50	1V1 V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.60	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		g	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	7.6	MV
				2.5	
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.50	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		****
Osalra D£	20	Ocalra Laint Duefactural Correspondent Decil Since Decil Since			
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13 10/13 - 10/14	5.1	HV

Local communities	No.	Monitored sites	Warm		Air sampler
			Sampling dates Measured value		An sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.97	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.80	HV
•		, , , , , , , , , , , , , , , , , , , ,	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.53	HV
		(,	10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.19	HV
Similane 1 rei.		OKI I tational Field Rain Observatory (Okinosimia Town)	10/20 - 10/21	0.17	11 1
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	1.2	HV
Tillosillila City	23	Throshima City Kokutaiji Julioi Tiigii School (Tiiroshima City)	10/19 - 10/20	1.2	11 V
V 1:D C	26	V 1'D C 4 11 4'4 CD 11' II 14 1	10/21 - 10/22	0.74) (T)
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.74	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.24	MV
	•		10110 1015		
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.84	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.82	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.48	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	1.9	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	11	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.47	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.25	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.39	MV
•		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	1.3	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
		The I would read (Imgosinim City)	10/20 - 10/21		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.15	HV
Okiliawa Pici.	31	Cape riccio (Kuniganii vinage)		0.13	пv
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[1-7-1] 2,2',3,3',4,4',5-Heptachlorobiphenyl (#170) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 36/37 (Missing value: 0)
Detection Frequency (sample): 36/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.053
Median	0.045
Maximum	0.89
Minimum	nd

Local communities	No.	Monitored sites	Warm s Sampling dates		Air sampler
Hokkaido	1	Vyshina Camanal Syhmuafaatynal Dynasay (Vyshina City)	10/2 - 10/9	Measured value	MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.041	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.010)	HV
виррого спу	_	Support Furt Cark (Support City)	9/29 - 9/30	11(0.010)	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.017)	HV
			9/29 - 9/30	()	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	0.11	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.045	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.035	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.033	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.074	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.085	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	0.071	MV
т оконата Спу	11	(Yokohama City)	10/19 - 10/20	0.071	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.11	HV
- · · · · · · · · · · · · · · · · · · ·			9/15 - 9/16	****	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.15	HV
J			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.024	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.045	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	0.037	MV
-10					pro more an
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.040	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	10/14 - 10/15 9/8 - 9/15	0.89	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.040	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.39	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
Local communities			Sampling dates	Measured value	7 tii sampiei
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.080	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.061	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.051	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(0.012)	HV
		,	10/20 - 10/21	` ′	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.089	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.066	MV
i amagacini i ici.	20	Environment (Yamaguchi City)	210 2113	0.000	141 4
		Environment (Tamagaem City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.023	MV
	21	Tragi freaturand werrare center (fragi enty)	11/20 - 11/2/	0.023	1 V1 V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.062	HV
i okusnima Prei.	28			0.062	ΗV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
II D C	20	Tr. D.C. ID. III. C. C. D	10/21 - 10/22	0.067	107
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.067	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.035	MV
			1015 1016		
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.22	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.68	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.031	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.028	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.030	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.20	HV
=		and Public Health (Kagoshima City)	10/20 - 10/21		
		•	10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.008)	HV
			9/29 - 9/30	()	
			9/30 - 10/1		
	1		2/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-7-2] 2,2',3,4,4',5,5'-Heptachlorobiphenyl (#180) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.1
Median	0.097
Maximum	2
Minimum	tr(0.021)

Local communities	No.	Monitored sites	Warm s		Air sampler
TT 11 '1	1	W 1: C 101 C (1D (W 1: C:)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.090	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(0.021)	HV
		(9/29 - 9/30	(***=*)	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(0.022)	HV
1		ougo i in Quanty i ionitoring outron (Tunibuwa eng)	9/29 - 9/30	4 (01022)	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	0.12	MV
wiiyagi i ici.	-	(Sendai City)	10/10 - 10/23	0.12	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.11	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	0.053	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	0.057	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.11	MV
,		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.034	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.14	HV
C		, , , , , , , , , , , , , , , , , , , ,	10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	0.12	MV
·		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.23	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.25	HV
•			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.041	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		,	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	0.084	HV
		Environment (Kofu City)	9/15 - 9/16		
		•	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.055	MV
5		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.097	HV
	•	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		, 5	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	2.0	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.080	HV
		(Yokkaichi City)	9/15 - 9/16		
	L		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.79	HV
		Annex (Osaka City)	10/13 - 10/14		
	I	**	10/14 - 10/15		

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities			Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.17	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.12	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	0.071	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.023	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.18	HV
•			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	0.12	MV
1 anagarin 1 101		Environment (Yamaguchi City)	<i>3,0 3,12</i>	0.12	1.1
		(g,)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.038	MV
		Trugi Trusta and Woman's Control (Trugi City)	11/20 11/2/	0.050	112 1
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.13	HV
TORUSHINIA TTOI.	20	Environmental Sciences Center (Tokushima City)	10/20 - 10/21	0.15	11.
		Environmental Sciences Center (Tokushinia City)	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.13	MV
Ragawa 11ci.	2)	Sciences and Public Health (Takamatsu City)	10/14 - 10/21	0.13	1V1 V
		Sciences and ruone reatin (rakamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.061	MV
	30	Ragawa i refecturar i done Swimming i oor (Takamatsu City)	10/14 - 10/21	0.001	1V1 V
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	0.46	HV
Ellinic Frei.	31	(Uwajima City)	10/6 - 10/7	0.40	11 V
		(Owajima City)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/7 - 10/8	2.0	HV
rukuoka Piel.	32	Omata City Government Building (Omata City)	10/20 - 10/21	2.0	11 V
			10/21 - 10/22		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	0.057	MV
Saga Prei.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/10	0.037	IVI V
Kumamoto Pref.	2.4	Kumamoto Prefectural Institute of Public Health and	10/26 10/27	0.034	HV
Kumamoto Přel.	34		10/26 - 10/27	0.034	нv
		Environmental Science (Udo City)	10/27 - 10/28		
M:1: D C	2.5	Minimal Designation 1 Institute C. D. 11. 11. 14. 1	10/28 - 10/29	0.050	1.43.7
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.059	MV
		Environment (Miyazaki City)			
IZ 1: B 2	2.	IV 1' D C (1I (') (C D) (1D)	10/10 10/20	0.25	7777
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.25	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22	(0.000)	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(0.022)	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

[1-7-3] 2,3,3',4,4',5,5'-Heptachlorobiphenyl (#189) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 19/37 (Missing value: 0)
Detection Frequency (sample): 19/37 (Missing value: 0)

	Aggregated value
Geometric mean	tr(0.004)
Median	tr(0.004)
Maximum	0.051
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaido	1	Rushiro General Suopretectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support enj	_	suppore ract and (suppore enj)	9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	nd	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(0.007)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.006)	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	t=(0,005)	MV
т оконаша Спу	11	(Yokohama City)	10/19 - 10/20	tr(0.005)	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(0.005)	HV
			9/15 - 9/16	(*****)	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.011	HV
·			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.004)	HV
		Environment (Kofu City)	9/15 - 9/16		
N. D. C	1.6	N B 11 C	9/16 - 9/17	. (0.006)	207
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	tr(0.006)	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
GHU I ICI.	1 /	Environmental Sciences (Kakamigahara City)	10/13 - 10/14	iiu	11 V
		Environmental Sciences (Rakallilgaliata City)	10/13 - 10/14		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	0.017	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.011	HV
		Annex (Osaka City)	10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(0.004)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(0.006)	HV
J			10/27 - 10/28	()	
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.005)	HV
Nata 1101.	23	Telli Ali Quality Monitoring Station (Telli City)	10/20 - 10/27	11(0.003)	11 V
G1: D 0	2.1		10/28 - 10/29		****
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.014	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
		Environment (Yamaguchi City)	2.0 2.13	""	-111 1
		Environment (1 amagaem eny)			
	27	Heat Health and Wolfers Contact (Heat City)	11/20 - 11/27		MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/2/	nd	IVI V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(0.006)	MV
C		Sciences and Public Health (Takamatsu City)		, ,	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
	50	Tanga wa Freee taraf Faorie Swimming Foor (Fakamatsa City)	10/11 10/21	iid.	111 1
Ehime Pref.	2.1	Elima Danfartan I Carraman Marian Danian I Office	10/5 - 10/6	4:(0.007)	HV
Enime Prei.	31	Ehime Prefectural Government Nanyo Regional Office		tr(0.007)	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.021	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.005)	MV
C				, ,	
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.008)	HV
]	Environmental Science (Udo City)	10/27 - 10/28	(0.000)	11.
		Environmental Science (Odo City)			
M:1: D C	25	Miyazaki Prefectural Institute for Public Healthand	10/28 - 10/29	3	3.437
Miyazaki Pref.	35		10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.051	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
Okinawa 1 ICI.	31	Cape Head (Rumgum + mage)	9/29 - 9/30	iiu	11 V
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-8] Octachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 31/37 (Missing value: 0) Detection Frequency (sample): 31/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.08
Median	tr(0.07)
Maximum	1.5
Minimum	nd

Local communities	No.	Monitored sites	Warm	Measured value	Air sampler
Hokkaido	1	Vysking Company Syskamofootyan Dymooy (Vysking City)	Sampling dates 10/2 - 10/9		MV
поккащо	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(0.05)	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	tr(0.06)	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.08	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.06)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.09	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	0.12	HV
Ü			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	0.09	MV
		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	0.15	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	0.20	HV
			9/16 - 9/17		
11'1 D.C	1.4	THE DOCUMENT OF THE PARTY OF TH	9/17 - 9/18	. (0.05)	****
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.05)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16 9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/16 - 9/17	tr(0.07)	HV
i amanasın Fici.	13	Environment (Kofu City)	9/15 - 9/16	u(0.07)	ΠV
		Environment (Kolu City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	tr(0.05)	MV
		(Nagano City)	10.21	-(****)	1.1
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	0.08	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
			10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.5	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.06)	HV
		(Yokkaichi City)	9/15 - 9/16		
	L		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.51	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Hyogo Pref. 21 Hyogo Prefectural Environmental Research Center (Kobe City) 9/28 9/92 0.12 HV 10/27 10/28 10/27 10/28 10/27 10/28 10/28 10/29 10/27 10/28 10/28 10/29 10/28 10/29 10/28 10/29 10/28 10/29 10/28 10/29 10/28 10/29 10/28 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/29 10/	Local communities	No.	Monitored sites	Warm	season	Air sampler
Substitute Sub	Local communities	INO.	Worldored sites		Measured value	All sampler
Note City 22 Kobe Institute of Health (Kobe City) 1026 - 10027 10027 - 10028 10028 - 10029 10029 10029 10029 10020 10021 - 10021 10021 - 10022 10022 - 10022 10022 - 10023 10028 - 10028	Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.12	HV
Nara Pref. 22 Kobe Institute of Health (Kobe City)				9/29 - 9/30		
Narra Pref. 23 Tenri Air Quality Monitoring Station (Tenri City) 10/26 - 10/27 10/27 - 10/28 10/28 - 10/29 10/27 - 10/28 10/28 - 10/29 10/27 - 10/28 10/28 - 10/29 10/27 - 10/28 10/28 - 10/29 10/29 - 10/21 10/29 - 10/29 10/29				9/30 - 10/1		
Nara Pref. 23 Tenri Air Quality Monitoring Station (Tenri City) 10.26 - 10.27 10.27 - 10.28 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.28 - 10.29 10.20 - 10.21 10.21 - 10.22 10.22 - 10.22 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.21 10.20 - 10.22 10.20 - 10.21 10.20 - 10.22 10.20 - 10.21 10.20 - 10.22 10.20 - 10.21 10.20 - 10.20 10.20	Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.09	HV
Narra Pref. 23 Tearri Air Quality Monitoring Station (Tenri City) 10/26 - 10/27 10/28 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/29 - 10/21 10/22 10/2				10/27 - 10/28		
Narra Pref. 23 Tearri Air Quality Monitoring Station (Tenri City) 10/26 - 10/27 10/28 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/28 - 10/29 10/29 - 10/21 10/22 10/2				10/28 - 10/29		
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 10/21 10/21 10/22 10/21 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22 10/22 10/21 10/22 10/22 10/21 10/22	Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)		tr(0.06)	HV
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/20 - 10/21 10/21 - 10/22 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/23 -				10/27 - 10/28	` ′	
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 10/20 - 10/21 10/21 - 10/22				10/28 - 10/29		
Hiroshima City 25	Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)		nd	HV
Hiroshima City 25						
Hiroshima City 25						
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 9/8 - 9/15 0.09 MV	Hiroshima City	25	Hiroshima City Kokutajii Junior High School (Hiroshima City)		0.12	HV
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 10/21 - 10/22 0.09 MV 27 Hagi Health and Welfare Center (Hagi City) 11/20 - 11/27 tr(0.03) MV Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/19 - 10/20 10/21 10/20 10/20 10/21 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22 10/21 10/22	Tinosimia City	23	Throsimia City Rokawiji valioi Tiigh School (Throsimia City)		0.12	11 7
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 27 Hagi Health and Welfare Center (Hagi City) 11/20 - 11/27 tr(0.03) MV						
Environment (Yamaguchi City)	Vamaguchi Pref	26	Vamaguchi Prefectural Institute of Public Health and		0.09	MV
Tokushima Pref. 28	i amaguciii i ici.	20		9/8 - 9/13	0.09	1V1 V
Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/22 - 10/23 10/21 - 10/23 10/21 - 10/24 10/21 - 10/24 10/21 - 10/24 10/21 - 10/24 10/21 - 10/22 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/23 - 10/2			Environment (Tamaguchi City)			
Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/22 - 10/23 10/21 - 10/23 10/21 - 10/24 10/21 - 10/24 10/21 - 10/24 10/21 - 10/24 10/21 - 10/22 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/22 - 10/23 10/23 - 10/2		27	He si Health and Walfana Contan (He si City)	11/20 11/27	tu(0,02)	MV
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/14 - 10/21 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/14 10/14 - 10/22 10/14 - 10/14 10/14 - 10/		21	hagi health and wellare center (hagi city)	11/20 - 11/2/	u(0.03)	IVI V
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/14 - 10/21 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/14 10/14 - 10/22 10/14 - 10/14 10/14 - 10/						
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/14 - 10/21 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/22 10/14 - 10/14 10/14 - 10/22 10/14 - 10/14 10/14 - 10/	T 1 1: D C	20	T 1 1' D C (1D 11' II 14 D) (' 1 1	10/10 10/20	0.00	7777
Ragawa Pref. 29 Kagawa Prefectural Research Institute for Environmental 10/14 - 10/21 0.11 MV	I okusnima Prei.	28			0.08	HV
Ragawa Pref. 29 Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City) 10/14 - 10/21 0.11 MV			Environmental Sciences Center (Tokushima City)			
Sciences and Public Health (Takamatsu City) 10/14 - 10/21 tr(0.05) MV	*** 5 0	20	T D O I D I T I D I D I D I D I D I D I D I D		211	
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/14 - 10/21 tr(0.05) MV	Kagawa Pret.	29		10/14 - 10/21	0.11	MV
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/6 - 10/7 10/8 10/7 - 10/8			Sciences and Public Health (Takamatsu City)			
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/6 - 10/7 10/8 10/7 - 10/8		20		10/14 10/01	(0.05)	
Cuwajima City 10/6 - 10/7 10/7 - 10/8		30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.05)	MV
Cuwajima City 10/6 - 10/7 10/7 - 10/8						
Cuwajima City 10/6 - 10/7 10/7 - 10/8				1015 1016		
Tukuoka Pref. 32 Omuta City Government Building (Omuta City) 10/20 - 10/21 1.4 HV	Ehime Pref.	31			0.41	HV
Fukuoka Pref. 32 Omuta City Government Building (Omuta City) 10/20 - 10/21			(Uwajima City)			
Saga Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 tr(0.06) MV						
Saga Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 tr(0.06) MV	Fukuoka Pref.	32	Omuta City Government Building (Omuta City)		1.4	HV
Saga Pref.33Saga Prefectural Environmental Research Center (Saga City)9/9 - 9/16tr(0.06)MVKumamoto Pref.34Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City)10/26 - 10/27 10/28 10/27 - 10/28 10/28 - 10/29tr(0.06)HVMiyazaki Pref.35Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City)10/5 - 10/12 tr(0.04)MVKagoshima Pref.36Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)10/19 - 10/20 10/20 10/21 10/21 10/21 10/21 10/21 10/21 10/21 10/220.50HVOkinawa Pref.37Cape Hedo (Kunigami Village)9/28 - 9/29 9/30ndHV						
Kumamoto Pref. 34 Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29 Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City) 10/5 - 10/12 tr(0.04) MV Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22 Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 nd HV						
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29	Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.06)	MV
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29						
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29						
Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand 10/5 - 10/12 tr(0.04) MV	Kumamoto Pref.	34			tr(0.06)	HV
Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City) 10/5 - 10/12 tr(0.04) MV Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22 Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 nd HV			Environmental Science (Udo City)	10/27 - 10/28		
Environment (Miyazaki City)				10/28 - 10/29		
Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22 Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 nd HV 9/29 - 9/30 10/21 - 10/22 10/21 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 1	Miyazaki Pref.	35		10/5 - 10/12	tr(0.04)	MV
and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22			Environment (Miyazaki City)			
and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22						
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29	Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.50	HV
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29			and Public Health (Kagoshima City)	10/20 - 10/21		
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 nd HV 9/29 - 9/30 HV			•			
9/29 - 9/30	Okinawa Pref.	37	Cape Hedo (Kunigami Village)		nd	HV
	·					
				9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-9] Nonachlorobiphenyls/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 5/37 (Missing value: 0)
Detection Frequency (sample): 5/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.37
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaldo	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support only	_	suppore The Falls (Suppore Sity)	9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
177400 11011		Sugerin Quanty momentum summer (runnam eng)	9/29 - 9/30	114	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/20		1,1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	nd	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	nd	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7 10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	nd	MV
Tokonama City		(Yokohama City)	10/17 10/20	nu	141 4
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
C			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(0.05)	HV
•			9/16 - 9/17	` '	
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		•	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	<u>L</u>		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.08)	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u> </u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	tr(0.05)	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	•
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
		,	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
THI COMMING CITY		The estimate city rectaining realist results (recommended)	10/20 - 10/21	110	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
i amaguciii i ici.	20	Environment (Yamaguchi City)	9/0 - 9/13	IIG	1 V1 V
		Environment (1 amaguem erty)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
	21	Tragi freaturand werrare center (fragi City)	11/20 - 11/2/	IIG	IVI V
Tokushima Pref.	20	Tokushima Prefectural Public Health, Pharmaceutical and	10/10 10/20	1	1137
I okusnima Prei.	28		10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
** 5.0	20	T D 0 - 1D 17 - 10 - 0 D	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
			10/5 10/6		
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.11	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	nd	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.37	HV
Č		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
OKIIMWA I IOI.	31	cape 11000 (110mgum + muge)	9/29 - 9/30	ind	11 1
			9/30 - 10/1		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[1-10] Decachlorobiphenyl/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 15/37 (Missing value: 0)
Detection Frequency (sample): 15/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	0.3
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Horkaldo	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
Support on,	_	suppore ract and (suppore eng)	9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
11100011011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/20	u	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(0.02)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(0.03)	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	nd	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(0.03)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(0.03)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
1 (11guille 1 1 0 1)	12	o yana ini Quanty momening samen (ringaa eny)	9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(0.03)	HV
10) 41114 11011	10	Tomain Tim Quanty Montesting Sunton (Tomain City)	9/16 - 9/17	4(0.05)	
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		37	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environment (Kofu City)	9/15 - 9/16		
		(3)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
ç		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
Mi- P C	10	Mis Drofesture Houlth of Franciscourse D. 11. (1)	0/14 0/15	tu(0,00)	1117
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(0.02)	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.0.0	20	0.1.1.4.0.6.4.16.4.20.20.20.20.20.20.20.20.20.20.20.20.20.	9/16 - 9/17	1	****
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	nd	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	110.	Workored Sites	Sampling dates	Measured value	7 tii sampiei
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	0.09	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(0.02)	HV
			10/27 - 10/28	l i	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
		,	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(0.02)	HV
THI COMMING CITY		The estimate city rectaining realist results (recommended)	10/20 - 10/21	4(0.02)	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
i amaguciii i ici.	20	Environment (Yamaguchi City)	9/8 - 9/13	IIG	1 V1 V
		Environment (1 amaguem erty)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	tr(0.02)	MV
	21	Tragi freaturand werrare center (fragi City)	11/20 - 11/2/	u(0.02)	IVI V
Tokushima Pref.	20	Tokushima Prefectural Public Health, Pharmaceutical and	10/10 10/20	1	1137
I okusnima Prei.	28		10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
** 5.0	20	T D 0 - 1D 17 - 10 - 0 D	10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
		Sciences and Public Health (Takamatsu City)			
				(0.00)	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(0.02)	MV
			1015 1016		
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.08	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(0.02)	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(0.02)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.30	HV
Č		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
	-	1 - (9/29 - 9/30		
			9/30 - 10/1		
	1		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[2] HCB (Hexachlorobenzene) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	100
Median	94
Maximum	370
Minimum	63

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	63	MV
HOKKAIGO	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	03	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	75	HV
Support on,	-	suppore ract and (suppore enj)	9/29 - 9/30	, ,	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	69	HV
11100011011		suge in Quanty Memoring Sunten (Tunizawa Sity)	9/29 - 9/30	0,	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	85	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/25		1.1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	92	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	120	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	110	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	98	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	92	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	99	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	130	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	110	HV
Niigata I ICI.	12	Oyania An Quanty Montoring Station (Migata City)	9/15 - 9/16	110	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	130	HV
Toyama Trei.	13	Tolianii Ali Quanty Mointoring Station (Tolianii City)	9/16 - 9/17	130	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	100	HV
isinkawa i ici.	1 .	Environmental Science (Kanazawa City)	9/15 - 9/16	100	11 1
		Environmental Science (Manazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	130	HV
i amanasin i ici.	13	Environment (Kofu City)	9/15 - 9/16	150	111
		Environment (Rota City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	85	MV
ragano i rei.	10	(Nagano City)	10/20 10/27	03	141 4
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	85	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	120	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	110	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	93	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	88	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	91	HV
·		` •	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	66	HV
1 (414 1101)		Tour the Quality Memoring Sunten (Tour City)	10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/28 - 10/29	90	HV
Sillillane Fiel.	24	Oki National Acid Kain Observatory (Okinosinina Town)		90	11 V
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	94	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	370	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	110	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	83	HV
i okusiiiiia i ici.	20	Environmental Sciences Center (Tokushima City)	10/20 - 10/21	0.5	11 V
		Environmental sciences center (Tokushinia City)			
17 D.C	20	Tr. D.C. ID. IX C. C. E	10/21 - 10/22	0.6	3.67
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	86	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	86	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	88	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	130	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	150	MV
8					
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	91	HV
		Environmental Science (Udo City)	10/27 - 10/28		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	110	MV
wiiyazaki i ici.	33	Environment (Miyazaki City)	10/3 - 10/12	110	IVI V
		Environment (wilyazaki City)			
Vlin D C	26	Wassahina Danfartan Harkitata C. E	10/10 10/20	120	T T T 7
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	130	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	95	HV
			9/29 - 9/30		
	1		9/30 - 10/1	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 samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[7] Chlordanes/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	94
Median	110
Maximum	600
Minimum	4.0

Hokkaido	Local communities	No.	Monitored sites	Sampling dates	season Measured value	Air sampler
Sapporo City 2 Sapporo Art Park (Sapporo City) 928 - 9/29 9/30 9/30 10/1	Haldraida	1	Vysking Compand Sykomofoetynal Dymany (Vysking City)	1 0		MX
Poster Perf. 3 Sugo Air Quality Monitoring Station (Takizawa City) 9/28 - 9/29 3/30 - 10/1 9/28 - 9/29 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/30 - 10/3 9/30 - 10/1 9/30 - 10/3	ноккатао	1	Kusniro General Subprefectural Bureau (Kusniro City)	10/2 - 10/9	11	IVI V
Poster Perf. 3 Sugo Air Quality Monitoring Station (Takizawa City) 9/28 - 9/29 3/30 - 10/1 9/28 - 9/29 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/29 - 9/30 9/30 - 10/1 9/30 - 10/3 9/30 - 10/1 9/30 - 10/3						
Invate Pref. 3 Sugo Air Quality Monitoring Station (Takizawa City) 9/38 - 9/39 36 9/39 36 9/39	Sapporo City	2	Sapporo Art Park (Sapporo City)		6.0	HV
Wate Pref. 3 Sugo Air Quality Monitoring Station (Takizawa City) 928 - 929 36 36 37 36 37 37 37 37				9/29 - 9/30		
Miyagi Pref. 4 Miyagi Prefectural Institute of Public Health and Environment 10/16 - 10/23 190 MV				9/30 - 10/1		
Miyagi Pref. 4 Miyagi Prefectural Institute of Public Health and Environment 10/16 - 10/23 190 MV	Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	36	HV
Miyagi Pref. 4 Miyagi Prefectural Institute of Public Health and Environment (Sendai City) 190 MV				9/29 - 9/30		
Miyagi Pref. 4 Miyagi Prefectural Institute of Public Health and Environment (Sendai City) 190 MV						
Sendai City Sendai City Samagata Institute of Environmental Sciences (Murayama	Miyagi Pref	4	Miyagi Prefectural Institute of Public Health and Environment		190	MV
City City	,					
City City	Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	30	MV
Chiba Pref. 7 Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara 10/5 - 10/12 100 MV	C					
Chiba Pref. 7 Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara 10/5 - 10/12 100 MV	Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	63	MV
City						
City	Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	100	MV
Protection (Koto Ward) Protection (Koto Ward)						
Protection (Koto Ward) Protection (Koto Ward)	Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	110	MV
Kanagawa Pref. 10 Kanagawa Environmental Research Center (Hiratsuka City) 10/5 - 10/6 10/6 - 10/7 10/7 - 10/8 10/7	,					
Kanagawa Pref. 10 Kanagawa Environmental Research Center (Hiratsuka City) 10/5 - 10/6 10/6 - 10/7 10/7 - 10/8 10/7		9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	4.0	MV
Yokohama City						
Yokohama City	Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	310	HV
Yokohama City	Ü		, , , , , , , , , , , , , , , , , , , ,	10/6 - 10/7		
Yokohama City						
Niigata Pref. 12 Oyama Air Quality Monitoring Station (Niigata City) 9/14 - 9/15 500 HV	Yokohama City	11	Yokohama Environmental Science Research Institute		200	MV
Toyama Pref. 13 Tonami Air Quality Monitoring Station (Tonami City) 9/15 - 9/16 9/16 - 9/17 9/17 - 9/18	,					
Toyama Pref. 13 Tonami Air Quality Monitoring Station (Tonami City) 9/15 - 9/16 9/16 - 9/17 9/17 - 9/18	Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	500	HV
Toyama Pref. 13 Tonami Air Quality Monitoring Station (Tonami City) 9/15 - 9/16 180 HV						
Toyama Pref. 13 Tonami Air Quality Monitoring Station (Tonami City) 9/15 - 9/16 9/16 - 9/17 9/18 Ishikawa Pref. 14 Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City) 9/15 - 9/16 9/14 - 9/15 59 HV Yamanashi Pref. 15 Yamanashi Prefectural Institute of Public Health and Environment (Kofu City) 9/15 - 9/16 9/16 - 9/17 330 HV Nagano Pref. 16 Nagano Environmental Conservation Research Institute 10/20 - 10/27 110 MV Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/13 - 10/14 10/14 - 10/15 Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14 10/13 - 10/14 10/13 - 10/14 Annex (Osaka City) 10/13 - 10/14 10/13 - 10/14 10/13 - 10/14 Osaka City 10/13 - 10/14 10/13 - 10/14 10/13 - 10/14 Osaka City 10/13 - 10/14 10/13 - 10/14 10/13 - 10/14					1	
Shikawa Pref. 14 Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City) 9/15 - 9/16 9/16 - 9/17 9/17 - 9/18 15 Yamanashi Pref. 15 Yamanashi Prefectural Institute of Public Health and Environment (Kofu City) 9/15 - 9/16 9/16 - 9/17 17 18 19 19 19 19 19 19 19	Tovama Pref	13	Tonami Air Quality Monitoring Station (Tonami City)		180	HV
Shikawa Pref. 14 Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City) 9/15 - 9/16 9/16 - 9/17 15 Yamanashi Pref. 15 Yamanashi Prefectural Institute of Public Health and Environment (Kofu City) 9/15 - 9/16 9/16 - 9/17 10 10 10 10 10 10 10	i Oyama i ici.	13	Tollann An Quanty Monitoring Station (Tollann City)		100	11 V
Ishikawa Pref. 14 Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City) 9/15 - 9/16 9/16 - 9/17						
Environmental Science (Kanazawa City)	Ichilzerra Df	1.4	Ishikarya Drafactural Institute of Duklic II14,1		50	1137
Yamanashi Pref. 15 Yamanashi Prefectural Institute of Public Health and Environment (Kofu City) 9/14 - 9/15 330 HV Nagano Pref. 16 Nagano Environmental Conservation Research Institute (Nagano City) 10/20 - 10/27 110 MV Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/12 - 10/13 200 HV Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/14 - 9/15 80 HV Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV	isiiikawa Prei.	14			39	пν
Yamanashi Pref. 15 Yamanashi Prefectural Institute of Public Health and Environment (Kofu City) 9/14 - 9/15 330 330 HV Nagano Pref. 16 Nagano Environmental Conservation Research Institute (Nagano City) 10/20 - 10/27 110 MV Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/12 - 10/13 10/13 - 10/14 10/14 - 10/15 200 HV Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/15 - 9/16 9/15 - 9/16 9/16 - 9/17 80 HV Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 10/13 - 10/14 160 HV			Environmental Science (Kanazawa City)			
Environment (Kofu City) 9/15 - 9/16 9/16 - 9/17 Nagano Pref. 16 Nagano Environmental Conservation Research Institute (Nagano City) 10/20 - 10/27 110 MV Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/13 - 10/14 10/14 - 10/15 Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14 10/13 - 10/14	**	 	110 0 17 11 27 11		22.5	*
Nagano Pref. 16 Nagano Environmental Conservation Research Institute (Nagano City) 10/20 - 10/27 110 MV	Y amanashi Pref.	15			330	HV
Nagano Pref. 16 Nagano Environmental Conservation Research Institute (Nagano City) 10/20 - 10/27 110 MV Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/12 - 10/13			Environment (Kofu City)			
Company City Comp		<u> </u>				
Gifu Pref. 17 Gifu Prefectural Research Institute for Health and Environmental Sciences (Kakamigahara City) 10/13 - 10/14 10/14 - 10/15	Nagano Pref.	16		10/20 - 10/27	110	MV
Environmental Sciences (Kakamigahara City) 10/13 - 10/14 10/14 - 10/15 Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/15 - 9/16 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14						
Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV	Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	200	HV
Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV			Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
Nagoya City 18 Chikusa Ward Heiwa Park (Nagoya City) 9/8 - 9/15 360 MV Mie Pref. 19 Mie Prefecture Health and Environment Research Institute (Yokkaichi City) 9/14 - 9/15 80 HV Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City) 10/12 - 10/13 10/14 160 HV			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1	
(Yokkaichi City) 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14	Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)		360	MV
(Yokkaichi City) 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14						
(Yokkaichi City) 9/15 - 9/16 9/16 - 9/17 Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14	Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	80	HV
Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV					1	
Osaka Pref. 20 Osaka Joint Prefectural Government Building, Building 2 10/12 - 10/13 160 HV Annex (Osaka City) 10/13 - 10/14			[` '			
Annex (Osaka City) 10/13 - 10/14	Osaka Pref	20	Osaka Joint Prefectural Government Building Building 2		160	HV
	Osuku I ICI.	20		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	100	11 V
10/14 - 10/15			Times (Saka City)			

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local collinations	INO.	Wolfitored sites	Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	230	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	83	HV
•		• • • • • • • • • • • • • • • • • • • •	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	170	HV
		()	10/27 - 10/28	-,,	
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	11	HV
		om randam rand rand coor and references	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	100	HV
Throshina City	23	Timoshina City Kokutaiji Julioi Tiigii School (Tiiroshina City)	10/19 - 10/20	100	11 V
			10/20 - 10/21		
V 1:D C	26	Y 1'D C 4 11 ('4 CD 11' II 14 1		260	107
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	260	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	59	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	110	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	140	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	130	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	600	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	160	HV
		g(10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	420	MV
Sugu i ici.	33	Suga i refectural Environmental research Center (Suga City)	2/2 2/10	120	141 4
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	58	HV
ramamow rich.	J -	Environmental Science (Udo City)	10/20 - 10/27	50	11 V
		Environmental Science (Odo City)			
Mixrozolai Danaf	2.5	Miyazaki Drafactural Instituto for Duklic Healthand	10/28 - 10/29	72	MAT
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	73	MV
		Environment (Miyazaki City)			
77 1: 70 2	2.5	I D C . II di . C D .	10/10 10/20	100	****
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	100	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	15	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[7-1] cis -Chlordane/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	32
Median	37
Maximum	200
Minimum	1.5

Local communities	No.	Monitored sites	Warm		Air sampler
** 11 .1		W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.8	HV
Баррого Спу		Sapporo Art I ark (Sapporo City)	9/29 - 9/30	1.0	11 V
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	12	HV
Twate 1 Ici.	3	Sugo An Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	12	11 V
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	66	MV
wiiyagi Fici.	4	(Sendai City)	10/10 - 10/23	00	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	9.9	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	21	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	33	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	37	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	97	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	67	MV
777	1.0		0/14 0/15	170	****
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	170	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	60	HV
			9/16 - 9/17		
* 1 ''		717 D. C	9/17 - 9/18	20	****
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	20	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
1:5.0		Y 170 0 17 17 17 17 17 17 17 17 17 17 17 17 17	9/16 - 9/17	110	****
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	110	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	37	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	67	HV
Oliu Piel.	1 /	Environmental Sciences (Kakamigahara City)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	07	пν
		Environmental Sciences (Kakainiganara City)	10/13 - 10/14 10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	120	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	30	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	56	HV
		Annex (Osaka City)	10/13 - 10/14		
	ĺ	• • • • • • • • • • • • • • • • • • • •	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	79	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	29	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	59	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	3.9	HV
211111111111111111111111111111111111111		om random record range of the record of the	10/20 - 10/21	3.7	
			10/21 - 10/22	1	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	35	HV
nirosiiina City	23	Hiroshima City Kokutaiji Junior High School (Hiroshima City)		33	п٧
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	87	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	19	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	38	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	47	MV
J		Sciences and Public Health (Takamatsu City)			

	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	42	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	200	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	53	HV
			10/21 - 10/22	1	
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	140	MV
8					
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	20	HV
		Environmental Science (Udo City)	10/27 - 10/28		
	L		10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	24	MV
-		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	34	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
	1		10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	5.2	HV
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29 9/29 - 9/30	5.2	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.

[7-2] trans -Chlordane/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	35
Median	42
Maximum	230
Minimum	1.5

Local communities	No.	Monitored sites	Warm s Sampling dates		Air sampler
Hokkaido	1	Version Communication of the December (Version City)	10/2 - 10/9	Measured value	MV
Ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	4.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.1	HV
Support City	~	Support Furt Cark (Support City)	9/29 - 9/30	2.1	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	14	HV
Twate Tiel.	3	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	17	11.
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	74	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	/4	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	11	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	23	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	37	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	42	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	120	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	78	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	190	HV
Milgata Fiel.	12	Oyama An Quanty Montoring Station (Migata City)	9/14 - 9/13	190	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	66	HV
Toyama Fier.	13	Tollann All Quanty Wollitoring Station (Tollann City)	9/16 - 9/17	00	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	21	HV
Isiiikawa I ICI.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	21	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	120	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	120	11 V
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	41	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	71	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	77	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		g	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	140	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	27	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	60	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	85	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	32	HV
•		• • • • • • • • • • • • • • • • • • • •	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	63	HV
rara i ici.	23	Tom 7th Quanty Womtoring Station (Tom City)	10/27 - 10/28	03	11 V
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/28 - 10/29	3.7	HV
Sillillane Fiel.	24	Okt National Acid Kain Observatory (Okinosinna Town)		3.7	ΠV
			10/20 - 10/21	,	
*** ***			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	39	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	100	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	23	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	42	HV
i okusiiiila i ici.	20	Environmental Sciences Center (Tokushima City)	10/20 - 10/21	72	11 4
		Environmental Sciences center (Tokushima City)	10/20 - 10/21		
V D f	20	V Dft1 D1 It-ttf F		5.4	MV
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	54	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	51	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	230	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	60	HV
			10/21 - 10/22		
			10/22 - 10/23	1	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	150	MV
	L				
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	22	HV
		Environmental Science (Udo City)	10/27 - 10/28		
		•	10/28 - 10/29	1	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	27	MV
,		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	42	HV
ragosiiiiia i ici.	30	and Public Health (Kagoshima City)	10/19 - 10/20	72	11 V
		and I done Health (Kagoshilla City)			
01: 7.0	2-	G H 1 W : 'Y''	10/21 - 10/22	4.0	****
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	4.2	HV
			9/29 - 9/30		
			9/30 - 10/1	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 samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[7-3] Oxychlordane/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	0.79
Median	0.8
Maximum	2.6
Minimum	0.15

Local communities	No.	Monitored sites	Warm s		Air sampler
** 11 .1	.	W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.26	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.48	HV
support City	l ~	Support Furt (Support City)	9/29 - 9/30	0.10	111
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.40	HV
Twate Tiet.		Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.10	111
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	1.1	MV
wiiyagi i ici.		(Sendai City)	10/10 10/23	1.1	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.55	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	1.0	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	1.1	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	0.78	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.15	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1.7	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.1	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2.0	HV
Tingata Tivi		o yana ini Quanty momentag samen (ringaa eny)	9/15 - 9/16	2.0	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
royuma rron	13	Tolland The Quarty (Volutioning Station (Tolland City)	9/16 - 9/17	1.5	11.
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.86	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		37	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	1.8	HV
		Environment (Kofu City)	9/15 - 9/16		
		(3)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.59	MV
G 2 141		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	1.2	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	<u></u>		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	2.2	MV
M. P. C	10	Mr. D. C. d. H. H. L. D. d. D. d. V. d.	0/14 0/15	0.00	7777
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.80	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.7.2			9/16 - 9/17	0.61	
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.61	HV
		Annex (Osaka City)	10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.51	HV
Ž		• • • • • • • • • • • • • • • • • • • •	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.0	HV
rvara i ici.	23	Tom 7th Quanty Womtoring Station (Tom City)	10/27 - 10/28	1.0	11 4
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/28 - 10/29	0.29	HV
Sillilane Fiel.	24	Okt National Acid Kain Observatory (Okinosinna Town)	10/19 - 10/20	0.29	11 V
*** 11 61	2.5	W. 11. 61. VI. 1. W. 1. 4. 1. 4. 1. 61.	10/21 - 10/22	0.65	****
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.67	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	1.4	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.34	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.64	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	0.79	MV
Ragawa 1 Ici.	2)	Sciences and Public Health (Takamatsu City)	10/14 10/21	0.77	141 4
		Serences and I done Hearth (Takamatsa City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	0.90	MV
	30	ragawa i refectarar i done swimming i cor (i akamatsa erty)	10/11 10/21	0.50	111 1
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	2.6	HV
Emme Trei.	31	(Uwajima City)	10/6 - 10/7	2.0	11 '
		(Owajina Oity)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.96	HV
rukuoka Piei.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	0.90	п٧
G P C	22		10/22 - 10/23	1.4	207
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	1.4	MV
Kumamoto Pref.	2.4	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.69	HV
Kumamoto Pref.	34			0.09	пv
		Environmental Science (Udo City)	10/27 - 10/28		
	2 -		10/28 - 10/29	0.60	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	0.60	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.50	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.49	HV
			9/29 - 9/30]	
		I .	9/30 - 10/1	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 samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[7-4] cis -Nonachlor/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	3.1
Median	3.4
Maximum	24
Minimum	0.13

Local communities	No.	Monitored sites	Warm s		Air sampler
** 11 .1	.	W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.31	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.13	HV
Баррого Спу		Sapporo Art I ark (Sapporo City)	9/29 - 9/30	0.13	11 V
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.85	HV
Twate Tiel.	3	Sugo An Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.03	11 V
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	5.1	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	3.1	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	1.1	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	2.3	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	3.9	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	3.3	MV
•		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.17	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	11	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	6.3	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	17	HV
Niigata I ICI.	12	Oyama An Quanty Montoring Station (Migata City)	9/15 - 9/16	1 /	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	7.7	HV
Toyania Fier.	13	Tollann All Quanty Wollitoring Station (Tollann City)	9/16 - 9/17	7.7	11 V
			9/10 - 9/17		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	2.3	HV
Isilikawa I ICI.	14	Environmental Science (Kanazawa City)	9/15 - 9/16	2.3	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	13	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	13	11 v
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	3.2	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	3.2	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	6.4	HV
	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14	*	•
		Garage Control (Control of the Control of the Contr	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	11	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	2.9	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u></u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	4.6	HV
		Annex (Osaka City)	10/13 - 10/14		
	l		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	7.2	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	2.2	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	4.9	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.40	HV
		, , , , , , , , , , , , , , , , , , ,	10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	3.5	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	10	MV
i amaguem i iei.	20	Environment (Yamaguchi City)	7/0 - 7/13	10	1V1 V
		Environment (Tamagueni City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	2.7	MV
	21	Tragi freatul and werrare center (fragi City)	11/20 - 11/2/	2.7	IVI V
Tokushima Pref.	20		10/10 10/20	2.4	1137
I okusnima Prei.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	3.4	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
** 7 0	20	The state of the s	10/21 - 10/22	4.0	
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	4.0	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	3.4	MV
			1015 1015		
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	24	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	6.0	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	1.8	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	3.0	MV
		Environment (Miyazaki City)			
	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	2.2	HV
Kagoshima Pref.				1	
Kagoshima Pref.		and Public Health (Kagoshima City)	10/20 - 10/21	l l	
Kagoshima Pref.		and Public Health (Kagoshima City)	10/20 - 10/21 10/21 - 10/22		
	37		10/21 - 10/22	0.53	HV
Kagoshima Pref. Okinawa Pref.	37	and Public Health (Kagoshima City) Cape Hedo (Kunigami Village)		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.

[7-5] trans -Nonachlor/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	23
Median	26
Maximum	140
Minimum	1.0

Local communities	No.	Monitored sites	Warm		Air sampler
TT-1-1 1-1-	1	Version Community and section 1 December (Version City)	Sampling dates	Measured value	MV
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.4	HV
Support City	~	Support Furt Cark (Support City)	9/29 - 9/30	1.1	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	8.3	HV
Twate Tiel.	3	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.5	11.
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	45	MV
wiiyagi i ici.	-	(Sendai City)	10/10 - 10/23	73	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	7.5	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	16	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	26	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	25	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	77	HV
			10/6 - 10/7		
*** 1 1 6"			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	51	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	120	HV
Tingula Tiel.	1	oyuna in Quanty Momoring Station (Migual City)	9/15 - 9/16	120	11 1
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	47	HV
rojuma rren	13	Tolland The Quarty (Volutioning Station (Tolland City)	9/16 - 9/17	.,	11 1
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	15	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
		Zivitoiminimi zotonee (ramazawa eng)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	87	HV
r umanusm r ren.	13	Environment (Kofu City)	9/15 - 9/16	07	11 1
		(9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	27	MV
ragano i ren	10	(Nagano City)	10/20 10/27	27	1,1,
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	52	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	83	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	19	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	38	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	54	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	19	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	41	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.9	HV
2111114110 1 1 0 1 1		om randim returnam seed randry (samesima return)	10/20 - 10/21	2.7	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	26	HV
nirosiiina City	23	Hiroshima City Kokutaiji Junior High School (Hiroshima City)		20	п٧
			10/20 - 10/21		
77 1:0 0	2.6		10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	64	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	14	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	26	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	33	MV
J		Sciences and Public Health (Takamatsu City)			
		, , , , , , , , , , , , , , , , , , , ,			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	29	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	140	HV
		(Uwajima City)	10/6 - 10/7		
		(,)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	39	HV
i ukuoka i ici.	32	Omata City Government Bunding (Omata City)	10/20 - 10/21	37	11 v
			10/21 - 10/22		
C D	2.2	Control Contro	9/9 - 9/16	110	MV
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	110	MV
T/ . D . C	2.4	Tr D.C 11 Cr CD 12 TT 14 1	10/06 10/05	1.4	777.7
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	14	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	18	MV
		Environment (Miyazaki City)			
	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	24	HV
Kagoshima Pref.			10/20 - 10/21		
Kagoshima Pref.		and Public Health (Kagoshima City)	10/20 - 10/21	l l	
Kagoshima Pref.		and Public Health (Kagoshima City)	10/20 - 10/21		
	37		10/21 - 10/22	4.1	HV
Kagoshima Pref. Okinawa Pref.	37	and Public Health (Kagoshima City) Cape Hedo (Kunigami Village)		4.1	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.

[8] Heptachlors/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	8.9
Median	10
Maximum	38
Minimum	1.0

Local communities	No.	Monitored sites	Warm		Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	Sampling dates 10/2 - 10/9	Measured value	MV
Ноккаідо	1	Kusniro General Subprefectural Bureau (Kusniro City)	10/2 - 10/9	3.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	3.0	HV
support enj	_	Support Furt Cark (Support City)	9/29 - 9/30	5.0	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	9.0	HV
11100011011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30	<i>y</i> .0	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	16	MV
1111) 461 1 1011		(Sendai City)	10/10 10/25		1.1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	4.0	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	8.0	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	8.0	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	9.0	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	1.0	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	26	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	16	MV
i okonama City	11	(Yokohama City)	10/19 - 10/20	10	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	38	HV
- · · · · · · · · · · · · · · · · · · ·			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	17	HV
J			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	4.0	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	23	HV
		Environment (Kofu City)	9/15 - 9/16		
		• /	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	9.0	MV
-		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	19	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	19	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	5.0	HV
		(Yokkaichi City)	9/15 - 9/16		
	_		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	13	HV
		Annex (Osaka City)	10/13 - 10/14		
			10/14 - 10/15		

Sampling date	Local communities	No.	Monitored sites		season	Air sampler
Solution		140.	Worldood sites	Sampling dates	Measured value	All sampler
Note City 22 Kobe Institute of Health (Kobe City) 1026 - 1027 10 11 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1029 1028 - 1028	Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)		18	HV
Robe City 22 Robe Institute of Health (Kobe City) 10/26 - 10/27 10/28 10/28 - 10/29 10/29 - 10/21 - 10/22 10/22 - 10/22 10/2				9/29 - 9/30		
Nars Pref. 23 Tenri Air Quality Monitoring Station (Tenri City) 10:26-10:27 19 HV						
Nara Pref. 23 Tenri Air Quality Monitoring Station (Tenri City) 1026 - 1027 19	Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	10	HV
Narra Pref. 23 Tenri Air Quality Monitoring Station (Tenri City) 10/25 - 10/27 19				10/27 - 10/28		
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 1.0 HV 10/20 - 10/21 10/21 - 10/22 10/22 - 10/23 10/22				10/28 - 10/29		
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 1.	Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	19	HV
Shimane Pref. 24 Oki National Acid Rain Observatory (Okinoshima Town) 10/19 - 10/20 1.0 1.0 HV				10/27 - 10/28		
Hiroshima City				10/28 - 10/29	1	
Hiroshima City 25 Hiroshima City Kokutaiji Junior High School (Hiroshima City 10/19 - 10/20 11 11 11 11 11 11 12 11 12 12 12 13 14 14 14 14 14 14 15 14 15 16 16 16 16 16 16 16	Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.0	HV
Hiroshima City 25				10/20 - 10/21	1	
Hiroshima City 25				10/21 - 10/22	1	
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 9/8 - 9/15 22 MV	Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	11	HV
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 27 Hagi Health and Welfare Center (Hagi City) 11/20 - 11/27 6.0 MV	,				1	
Yamaguchi Pref. 26 Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City) 9/8 - 9/15 22 MV 27 Hagi Health and Welfare Center (Hagi City) 11/20 - 11/27 6.0 MV Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/29 - 10/20 8.0 HV Kagawa Pref. 29 Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City) 10/14 - 10/21 13 MV Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/6 - 10/7 10/7 - 10/8 10/6 - 10/7 10/7 - 10/8 HV Fukuoka Pref. 32 Omuta City Government Building (Omuta City) 10/20 - 10/21 11 HV Fukuoka Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 24 MV Kumamoto Pref. 34 Kumamoto Prefectural Institute of Public Health and Environmental Research Center (Saga City) 10/26 - 10/27 7.0 HV Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand Environmental Research and Publ					1	
Environment (Yamaguchi City)	Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and		22	MV
27 Hagi Health and Welfare Center (Hagi City) 11/20 - 11/27 6.0 MV	1 umagarin 1 101			<i>3,0 3,12</i>		112 1
Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 13 MV			Zivinoimoni (1 umagavin etty)			
Tokushima Pref. 28 Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 13 MV		27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	6.0	MV
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 13 MV		21	Tragi ficatur and werrare center (tragi city)	11/20 - 11/2/	0.0	1V1 V
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 13 MV						
Environmental Sciences Center (Tokushima City) 10/20 - 10/21 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 10/21 - 10/22 13 MV	Tolaushima Prof	20	Talzushima Profestural Dublic Health Dharmacoutical and	10/10 10/20	8.0	ши
Kagawa Pref. 29 Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City) 10/14 - 10/21 13 MV	i okusiiina Prei.	20			8.0	п٧
Ragawa Pref. 29 Kagawa Prefectural Research Institute for Environmental Sciences and Public Health (Takamatsu City) 10/14 - 10/21 13 MV			Environmental sciences center (Tokushima City)		1	
Sciences and Public Health (Takamatsu City) 10/14 - 10/21 14 MV	V D f	20	V		12	MV
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/14 - 10/21 14 MV	Kagawa Prei.	29		10/14 - 10/21	13	MV
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/6 - 10/7 10/7 - 10/8			Sciences and Public Health (Takamatsu City)			
Ehime Pref. 31 Ehime Prefectural Government Nanyo Regional Office (Uwajima City) 10/6 - 10/7 10/7 - 10/8		20	W D C + 1D 11' C ' ' D 1/T 1 + C' '	10/14 10/21	1.4	3.67
Classification Clas		30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	14	MV
Classification Clas						
Classification Clas	El: D C	2.1	FILE D.C. L. L.C. L. L. L.C. T. L.C. T	10/5 10/6	20	****
Tukuoka Pref. 32 Omuta City Government Building (Omuta City) 10/20 - 10/21 11 11 HV	Ehime Pref.	31			20	HV
Fukuoka Pref. 32 Omuta City Government Building (Omuta City) 10/20 - 10/21			(Uwajima City)			
Saga Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 24 MV						
Saga Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 24 MV	Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	***************	11	HV
Saga Pref. 33 Saga Prefectural Environmental Research Center (Saga City) 9/9 - 9/16 24 MV Kumamoto Pref. 34 Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City) 10/26 - 10/27 7.0 7.0 HV Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City) 10/5 - 10/12 5.0 MV Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/19 - 10/20 7.0 7.0 HV Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 1.0 HV						
Kumamoto Pref. 34 Kumamoto Prefectural Institute of Public Health and Environmental Science (Udo City) 10/26 - 10/27						
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29	Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	24	MV
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29						
Environmental Science (Udo City) 10/27 - 10/28 10/28 - 10/29		<u> </u>				
Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand 10/5 - 10/12 5.0 MV	Kumamoto Pref.	34			7.0	HV
Miyazaki Pref. 35 Miyazaki Prefectural Institute for Public Healthand Environment (Miyazaki City) 5.0 MV Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22 Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 1.0 HV			Environmental Science (Udo City)]	
Environment (Miyazaki City)						
Kagoshima Pref. 36 Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City) 10/19 - 10/20	Miyazaki Pref.	35		10/5 - 10/12	5.0	MV
and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22			Environment (Miyazaki City)			
and Public Health (Kagoshima City) 10/20 - 10/21 10/21 - 10/22						
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29	Kagoshima Pref.	36		10/19 - 10/20	7.0	HV
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 1.0 HV 9/29 - 9/30 9/29 - 9/30 HV			and Public Health (Kagoshima City)	10/20 - 10/21]	
Okinawa Pref. 37 Cape Hedo (Kunigami Village) 9/28 - 9/29 1.0 HV 9/29 - 9/30 9/29 - 9/30 HV				10/21 - 10/22	1	
9/29 - 9/30	Okinawa Pref.	37	Cape Hedo (Kunigami Village)		1.0	HV
					1	
				9/30 - 10/1	j l	

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) * : Indicates the sum value of the Quantification [Detection] limits of each target chemicals.

[8-1] Heptachlor/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	7.6
Median	9.2
Maximum	35
Minimum	0.69

Local communities	No.	Monitored sites	Warm s		Air sampler
TT-1-1 : 1-	1	Version Community and a transfer to the December (Version City)	Sampling dates	Measured value	MV
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	2.0	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	0.86	HV
Support City	_	Support Furt Cark (Support City)	9/29 - 9/30	0.00	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	8.7	HV
Twate Tiel.	5	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.7	11.
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	15	MV
wiiyagi i ici.		(Sendai City)	10/10 - 10/23	15	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	3.5	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	6.5	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	5.9	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	7.9	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.69	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	24	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	14	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	35	HV
Niigata I ICI.	12	Oyania An Quanty Montoring Station (Migata City)	9/15 - 9/16	33	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	16	HV
Toyama Tiei.	13	Tonami An Quanty Monitoring Station (Tonami City)	9/16 - 9/17	10	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	3.6	HV
Ishikawa I Ici.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	3.0	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	21	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	21	11 V
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	7.9	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/2/	7.9	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	18	HV
	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		•
		Garage Control (Control of the Control of the Contr	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	17	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	4.1	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u> </u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	12	HV
		Annex (Osaka City)	10/13 - 10/14		
	1	· **	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	17	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	9.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	18	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.89	HV
211111111111111111111111111111111111111		om randim returnam seed randry (samesima return)	10/20 - 10/21	0.05	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	10	HV
nirosiiina City	23	Hiroshima City Kokutaiji Junior High School (Hiroshima City)		10	п٧
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	20	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	5.5	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	7.6	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	12	MV
J		Sciences and Public Health (Takamatsu City)			
		, , , , , , , , , , , , , , , , , , , ,			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	13	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	18	HV
	_	(Uwajima City)	10/6 - 10/7		
		(,)	10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	9.2	HV
i ukuoka i ici.	32	Omata City Government Bunding (Omata City)	10/20 - 10/21	7.2	11 V
C D	2.2	Construction of the Control Co	10/22 - 10/23	22	MV
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	22	MV
T/ . D .	2.4	T	10/26 10/27	(1	7 7 7
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	6.1	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Mirrogalri Daof	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	3.9	MV
Miyazaki Pref.		Environment (Miyazaki City)			
Wiiyazaki Prei.					
•					
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	6.7	HV
•	36	Kagoshima Prefectural Institute for Environmental Research and Public Health (Kagoshima City)	10/19 - 10/20 10/20 - 10/21	6.7	HV
•	36			6.7	HV
•	36	and Public Health (Kagoshima City)	10/20 - 10/21	0.75	HV
Kagoshima Pref.			10/20 - 10/21 10/21 - 10/22		

⁽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) HV: High volume air sampler , MV: Medium volume air sampler.

[8-2] cis -Heptachlor epoxide/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	1.1
Median	1.2
Maximum	2.9
Minimum	0.23

Local communities	No.	Monitored sites	Warm s		Air sampler
** 11 .1	.	W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	0.60	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1.7	HV
варрого спу	_	Support First and (Support City)	9/29 - 9/30	1.7	11 4
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	0.64	HV
Twate Tiel.	3	Sugo An Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	0.04	11 v
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	1.2	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	1.2	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	0.75	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	2.0	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	1.6	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	1.3	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	0.23	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2.2	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	1.7	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2.9	HV
Niigata I ICI.	12	Oyania An Quanty Montoring Station (Migata City)	9/15 - 9/16	2.7	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
i oyama i ici.	13	Tonami An Quanty Monitoring Station (Tonami City)	9/16 - 9/17	1.5	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	0.79	HV
isinkawa i ici.	1 .	Environmental Science (Kanazawa City)	9/15 - 9/16	0.75	11 1
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	2.0	HV
i dinanasin i ici.	13	Environment (Kofu City)	9/15 - 9/16	2.0	11.4
		Environment (Rola City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	0.81	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	0.01	IVIV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	1.2	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
		<u>g</u>	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1.9	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	0.87	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.89	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities	INO.	Wolltored sites	Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.2	HV
			9/29 - 9/30	1	
			9/30 - 10/1	1	
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	0.67	HV
•		•	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.1	HV
rara rici.	23	Tomi 7 in Quanty Womening Station (Tomi City)	10/27 - 10/28	1.1	11 1
			10/28 - 10/29	1	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	0.41	HV
Similanc 1 Ici.	24	Oktivational Acid Kain Observatory (Okthosinina Town)	10/20 - 10/21	0.41	11 V
			10/20 - 10/21	1	
II. 1. C.	25	H. 1. C. K. 1 (I . H. 1 C. 1 (III. 1 . C.)		0.07	HV
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.87	нv
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and Environment (Yamaguchi City)	9/8 - 9/15	2.2	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	0.73	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	0.89	HV
TORGSHING TTOI.	20	Environmental Sciences Center (Tokushima City)	10/20 - 10/21	0.07	11 (
		Environmental sciences center (Tokushinta City)	10/21 - 10/22	1	
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/21 - 10/22	1.3	MV
Kagawa Fiel.	29	Sciences and Public Health (Takamatsu City)	10/14 - 10/21	1.3	IVI V
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	1.4	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	2.2	HV
Ellinic I Ici.	31	(Uwajima City)	10/6 - 10/7	2.2	11 V
		(Owajiilia City)	10/6 - 10/7	1	
Fukuoka Pref.	22	Owests City Comment Perilling (Owests City)		1.5	1137
гикиока Ртег.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	1.5	HV
			10/21 - 10/22		
2 2 2	2.2		10/22 - 10/23	1.0	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	1.9	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.79	HV
-		Environmental Science (Udo City)	10/27 - 10/28		
		(10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/28 - 10/29	0.73	MV
Wilyazaki i ici.	33	Environment (Miyazaki City)	10/3 - 10/12	0.73	IVI V
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	0.74	HV
Č		and Public Health (Kagoshima City)	10/20 - 10/21	1	
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10/21 - 10/22	1	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	0.43	HV
Children 1 101.		Cap 11000 (15minguini + mage)	9/29 - 9/30	0.75	11 4
			9/30 - 10/1		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[8-3] trans -Heptachlor epoxide/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 0/37 (Missing value: 0)
Detection Frequency (sample): 0/37 (Missing value: 0)

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	nd
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaldo	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	na	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support only	_	suppore The Falls (Suppore Sity)	9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
177400 11011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/20	u	1.1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	nd	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	nd	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	nd	MV
I okonama City	11	(Yokohama City)	10/17 - 10/20	nu	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
8			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
J			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environment (Kofu City)	9/15 - 9/16		
		• /	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
•		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	<u></u>		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	nd	MV
)	1.0		0/14 0/15		
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
	<u> </u>		9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	nd	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	nd	HV
J			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
Turinguein Tren		Environment (Yamaguchi City)	3.0 3.15	1.0	1.1
		Environment (Tuningueni enty)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
	21	Tragi Treath and Wenare Center (Tragi City)	11/20 11/2/	na na	141 4
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	nd	HV
i okusiiiiia Fici.	20	Environmental Sciences Center (Tokushima City)	10/19 - 10/20	IIG	11 V
		Environmental sciences center (Tokushima City)			
V D f	20	V	10/21 - 10/22 10/14 - 10/21	4	M77
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
		Sciences and Public Health (Takamatsu City)			
	20	W D C (1D 11; C ; ; D 1/T 1 (C;)	10/14 - 10/21	1	107
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
El: D C	2.1	El: D C + 1C + 1M D : 10M	10/5 10/6	1	1137
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	nd	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	nd	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	nd	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
Okinawa Prei.	57				
Okinawa Prei.	37		9/29 - 9/30		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

(Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

(Note 4) nd: Not detected

⁽Note 2) Data treated as detected means detection limit value and more.

[15] Perfluorooctane sulfonic acid (PFOS) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	3.4
Median	4.2
Maximum	7.2
Minimum	1.1

Local communities	No.	Monitored sites	Warm		Air sampler
TT-1-1 1-1-	1	Version Community and section 1 December (Version City)	Sampling dates	Measured value	M37
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.5	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	4.2	HV
Support City	_	Support Furt Cark (Support City)	9/29 - 9/30	1.2	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1.8	HV
Twate Tiel.	3	Sugo in Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	1.0	11.4
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	6.1	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	0.1	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	6.6	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	6.5	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	7.0	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	5.4	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	6.5	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2.2	HV
			10/6 - 10/7		
** 1 1 6"			10/7 - 10/8	1.0	
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	4.9	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	5.1	HV
Niigata I ICI.	12	Oyama An Quanty Montoring Station (Migata City)	9/15 - 9/16	5.1	11 V
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2.3	HV
Toyama Fier.	13	Tollann All Quanty Wollitoring Station (Tollann City)	9/16 - 9/17	2.3	11 V
			9/10 - 9/17		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	4.2	HV
Isiiikawa I ICI.	17	Environmental Science (Kanazawa City)	9/15 - 9/16	7.2	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	1.9	HV
i amanasm i ici.	13	Environment (Kofu City)	9/15 - 9/16	1.7	11 V
		Environment (Kold City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	6.6	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	0.0	1V1 V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	2.1	HV
	'	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		•
		g	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	7.1	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	2.4	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	1.4	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	1101		Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.8	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	1.4	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.5	HV
			10/27 - 10/28	1	
			10/28 - 10/29	1	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	2.0	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	1.1	HV
1111 0511111111 010)		Threshim city Hendung cumer right senter (rineshim city)	10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	7.2	MV
i amaguciii i ici.	20	Environment (Yamaguchi City)	9/0 - 9/13	1.2	IVI V
		Environment (1 amagueni City)			
	27	Hari Harida and Walfana Cantan (Hari Cita)	11/20 - 11/27	6.3	MV
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/2/	0.3	IVI V
T 1 1: D C	20	The state of the s	10/10 10/20	2.2	****
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	2.3	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
	<u> </u>		10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	5.2	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	6.1	MV
	<u> </u>				
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	2.0	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	2.9	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	6.4	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	1.1	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	6.9	MV
•		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	2.0	HV
6		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22	i l	
Okinawa Pref	37	Cane Hedo (Kunigami Village)		4 9	HV
Okinawa I ICI.) /	Cape 11000 (Kuniganii vinage)		7.3	11 V

Okinawa Pref.	37	Cape Hedo (Kunigami Village)	10/21 - 10/22 9/28 - 9/29 9/29 - 9/30 9/30 - 10/1	4.9	Н

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[16] Perfluorooctanoic acid (PFOA) /air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0) Detection Frequency (sample): 37/37 (Missing value: 0)

	Aggregated value
Geometric mean	13
Median	12
Maximum	55
Minimum	4.9

Local communities	No.	Monitored sites	Warm s		Air sampler
** 11 .1		W. 11. G. 10.1. 0 1D. (W. 11. Gir.)	Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	4.9	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	7.4	HV
Заррого Спу		Sapporo Art I ark (Sapporo City)	9/29 - 9/30	7.4	11 V
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	7.2	HV
Twate I Ici.	3	Sugo Ali Quanty Monitoring Station (Takizawa City)	9/29 - 9/30	7.2	11 V
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	16	MV
wiiyagi i ici.	4	(Sendai City)	10/10 - 10/23	10	IVI V
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	8.2	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	18	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	21	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	15	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	10	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	21	HV
_			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	12	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	14	HV
Milgata Prei.	12	Oyama Air Quanty Montoring Station (Nilgata City)	9/14 - 9/13	14	п٧
			9/16 - 9/17		
Taxama Prof	12	Tonami Air Quality Monitoring Station (Tonami City)	9/16 - 9/17	17	HV
Toyama Pref.	13	Tonami Air Quanty Monitoring Station (Tonami City)	9/16 - 9/17	1 /	п٧
			9/16 - 9/17		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	13	HV
Isilikawa Fici.	14	Environmental Science (Kanazawa City)	9/14 - 9/13	13	11 V
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	22	HV
i amanasın Fici.	13	Environment (Kofu City)	9/14 - 9/13	22	11 V
		Environment (Kolu City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	9.6	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/2/	9.0	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	13	HV
	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		•
		Garage Control (Control of the Control of the Contr	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	20	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	8.3	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	34	HV
		Annex (Osaka City)	10/13 - 10/14		
	1	• •	10/14 - 10/15		

Local communities	No.	Monitored sites		season	Air sampler
	1,01		Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	18	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	9.8	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	10	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	13	HV
		om randim returnam seed randif (similasimia return)	10/20 - 10/21	10	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	12	HV
nirosiiina City	23	Hiroshina City Kokutaiji Junior High School (Hiroshina City)		12	п٧
			10/20 - 10/21		
77 1:0 0	2.6		10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	55	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	9.4	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	11	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	10	MV
C		Sciences and Public Health (Takamatsu City)			
		, , , , , , , , , , , , , , , , , , , ,			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	10	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	13	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	19	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	14	MV
8		(8	,,,		
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	6.1	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	10	MV
-		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	9.2	HV
<u> </u>		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	6.7	HV
Okiliawa 1 ICI.	31	Cape fredo (Kulligailli v Illage)	9/29 - 9/30	0.7	11 V

	1		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[17] Pentachlorobenzene/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit: 0.07 Quantification limit: 0.17

	Aggregated value
Geometric mean	69
Median	63
Maximum	180
Minimum	35

Local communities	No.	Monitored sites	Warm Sampling dates	season Measured value	Air sampler
Hokkaido	1	Variable Comment Colored States 1 December (Variable City)	10/2 - 10/9		MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	35	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	46	HV
11 5		11 (11)/	9/29 - 9/30	1	
			9/30 - 10/1	1	
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	36	HV
			9/29 - 9/30	Ì	
			9/30 - 10/1	1	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	49	MV
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	49	MV
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	85	MV
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara City)	10/5 - 10/12	72	MV
Т-1 № /	0	Tribus Materialitas Descendi I. Co. C. D.	10/16 10/22	02	3.67
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental Protection (Koto Ward)	10/16 - 10/23	93	MV
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	140	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	81	HV
Č		, , , , , , , , , , , , , , , , , , , ,	10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	92	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	63	HV
rungata r rei.	12	Oyuma 7 in Quanty Monitoring Station (Migata City)	9/15 - 9/16	03	11 4
			9/16 - 9/17	1	
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	110	HV
rojuma rren	13	Tolland Till Quality Monitoring Station (Tolland City)	9/16 - 9/17	110	11.
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	66	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16	Ì	
		`	9/16 - 9/17	ĺ	
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	92	HV
		Environment (Kofu City)	9/15 - 9/16]	
			9/16 - 9/17	1	
Nagano Pref.	16	Nagano Environmental Conservation Research Institute (Nagano City)	10/20 - 10/27	56	MV
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	59	HV
	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14	i	
	1	(ganata 5.5)	10/14 - 10/15		
				77	MV
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	,,,	
		Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	67	HV
Nagoya City			9/14 - 9/15 9/15 - 9/16		HV
Nagoya City Mie Pref.	19	Mie Prefecture Health and Environment Research Institute (Yokkaichi City)	9/14 - 9/15 9/15 - 9/16 9/16 - 9/17	67	
Nagoya City		Mie Prefecture Health and Environment Research Institute	9/14 - 9/15 9/15 - 9/16		HV

Local communities	No.	Monitored sites	Warm	season	Air sampler
			Sampling dates	Measured value	•
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	46	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	75	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	48	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	56	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	77	HV
Tinosinna City	23	Throshina City Rokutaiji Julioi Tiigii School (Tiiroshina City)	10/20 - 10/21	, ,	11 V
			10/20 - 10/21		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	180	MV
r amagucini Prei.	26		9/8 - 9/13	180	IVI V
		Environment (Yamaguchi City)			
		W 197 11 19710 G 1 (W 16)	11/20 11/25		
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	62	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	58	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	62	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	62	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	57	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	130	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	98	MV
C					
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	79	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	58	MV
,		Environment (Miyazaki City)	10.0 10/12		171 7
		(, u 3.0)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	130	HV
imgosiiiia i ici.	50	and Public Health (Kagoshima City)	10/20 - 10/21	150	11 V
		and I done Hearth (Magosinina City)	10/20 - 10/21		
Olaina Para C	27	Constitute (Versions Village)		47	1137
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	47	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

[21] Hexachlorobuta-1,3-diene/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 110/110 (Missing value: 1)

Detection limit: 10 Quantification limit: 30

	Aggregated value
Geometric mean	2,500
Median	2,500
Maximum	9,800
Minimum	1,500

Local communities	No.	Monitored sites	Warm		Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	Sampling dates 10/5 - 10/6	Measured value 2,200	LV
Hokkaido	1	Rushiro General Subprefectural Bureau (Rushiro City)			LV
			10/6 - 10/7	2,000	
C C:t	2	Command Art Doub (Command City)	10/7 - 10/8	2,000	T 37
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	1,800	LV
			9/29 - 9/30	1,800	
I . D C	_	G ALCO TO MODEL (TO 1)	9/30 - 10/1	1,900	* * * *
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1,700	LV
			9/29 - 9/30	1,800	
			9/30 - 10/1	1,700	
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/19 - 10/20	2,700	LV
		(Sendai City)	10/20 - 10/21	2,400	
			10/21 - 10/22	2,300	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/29 - 9/30	1,800	LV
		City)	9/30 - 10/1	1,800	
			10/1 - 10/2	1,800	
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/30 - 10/1	1,800	LV
		City)	10/1 - 10/2	1,800	
	<u> </u>		10/2 - 10/3	2,200	
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/6	2,900	LV
		City)	10/6 - 10/7	2,300	
			10/7 - 10/8	2,400	
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/20 - 10/21	2,600	LV
•		Protection (Koto Ward)	10/21 - 10/22	2,200	
		,	10/22 - 10/23	2,300	
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/5	2,300	LV
		J (& &)	10/5 - 10/6	1,500	
			10/6 - 10/7	1,600	
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	2,600	LV
ranagawa 1101.	10	Tranagawa Environmentai resseaton contei (Tinatsaka city)	10/6 - 10/7	2,200	E,
			10/7 - 10/8	2,200	
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/20	2,800	LV
i okonama City	11	(Yokohama City)	10/19 - 10/20	2,900	LV
		(Tokonama City)	10/20 - 10/21	2,300	
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	2,500	LV
Milgala Fiel.	12	Oyama An Quanty Monitoring Station (Migata City)	9/15 - 9/16		LV
				2,700	
T D C	1.2	The state of the Marian Country (The state of the state o	9/16 - 9/17	2,600	* * * *
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	2,600	LV
			9/16 - 9/17	3,000	
* 1 ''		717 B 0 17 17 10 10 11 17 11 1	9/17 - 9/18	4,400	
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	2,300	LV
		Environmental Science (Kanazawa City)	9/15 - 9/16	2,700	
	<u> </u>		9/16 - 9/17	3,300	
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	3,200	LV
		Environment (Kofu City)	9/15 - 9/16	3,100	
			9/16 - 9/17	3,100	
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/21	2,700	LV
		(Nagano City)	10/21 - 10/22	2,400	
	<u></u>		10/23 - 10/24		
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	1,900	LV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14	2,200	
			10/14 - 10/15	2,800	
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/9	2,500	LV
			9/9 - 9/10	2,800	
			9/10 - 9/11	2,100	
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	2,600	LV
		(Yokkaichi City)	9/15 - 9/16	2,900	
			9/16 - 9/17	3,200	
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	2,100	LV
Country 1 101.	~	Annex (Osaka City)	10/13 - 10/14	2,500	L,

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities			Sampling dates	Measured value	An sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1,800	LV
			9/29 - 9/30	1,900	
			9/30 - 10/1	1,900	
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	2,200	LV
			10/27 - 10/28	2,200	
			10/28 - 10/29	3,000	
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	2,200	LV
			10/27 - 10/28	2,100	
			10/28 - 10/29	2,400	
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	3,400	LV
			10/20 - 10/21	3,100	
			10/21 - 10/22	2,600	
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	2,900	LV
			10/20 - 10/21	2,800	
			10/21 - 10/22	2,700	
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/9	6,200	LV
-		Environment (Yamaguchi City)	9/9 - 9/10	9,800	
			9/10 - 9/11	5,100	
	27	Hagi Health and Welfare Center (Hagi City)	11/24 - 11/25	2,200	LV
			11/25 - 11/26	2,500	
			11/26 - 11/27	2,600	
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	2,700	LV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21	2,800	
		,	10/21 - 10/22	2,500	
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/15	3,000	LV
8		Sciences and Public Health (Takamatsu City)	10/15 - 10/16	2,500	
		, , , , , , , , , , , , , , , , , , , ,	10/16 - 10/17	2,200	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/15	2,900	LV
			10/15 - 10/16	2,400	
			10/16 - 10/17	2,200	
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	2,700	LV
		(Uwajima City)	10/6 - 10/7	2,300	
			10/7 - 10/8	2,500	
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	2,300	LV
1 4114-11411	52	onum eng es vinnen Bunung (emum eng)	10/21 - 10/22	2,500	2.
			10/22 - 10/23	3,100	
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/10	8,700	LV
24gu 1141		Sugar 1 Total Control Environmental 1 Costation Sounds (Sugar Stry)	9/10 - 9/11	4,600	2.
			9/11 - 9/12	3,500	
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	2,500	LV
realitation i rei.	٥.	Environmental Science (Udo City)	10/27 - 10/28	2,300	L,
		())	10/28 - 10/29	2,400	
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/6	2,900	LV
1,11, yazaki 1 101.]]]	Environment (Miyazaki City)	10/6 - 10/7	2,400	L
		Zin i dilimini (mi juzuki dinj)	10/7 - 10/8	2,400	
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	3,000	LV
ragosimila i ici.	50	and Public Health (Kagoshima City)	10/20 - 10/21	2,500	LV
		and I don't Hearth (rangosimina City)	10/20 - 10/21	2,500	
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	2,600	LV
Okiliawa Pici.	31	Cape ricao (Kuniganii vinage)	9/28 - 9/29		LV
				2,500	
	1		9/30 - 10/1	2,300	

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) LV: Low volume air sampler.

⁽Note 4) ---: Missing value

[23] Short-chain chlorinated paraffins/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit: *200 Quantification limit: *500

	Aggregated value
Geometric mean	500
Median	500
Maximum	3,500
Minimum	tr(200)

Local communities	No.	Monitored sites	Warm s		Air sampler
Hokkaido	1	Vyshina Camanal Syhmuafaatymal Dynasay (Vyshina City)	Sampling dates 10/2 - 10/9	Measured value	MV
поккащо	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(200)	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(200)	HV
support enj	_	suppore The Fair (suppore eng)	9/29 - 9/30	11(200)	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	500	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	tr(300)	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	tr(200)	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	700	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(200)	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	700	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	700	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1,000	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	1,000	MV
т оконаша Спу	11	(Yokohama City)	10/19 - 10/20	1,000	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(400)	HV
- · · · · · · · · · · · · · · · · · · ·			9/15 - 9/16	()	
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	500	HV
J		, , , , , , , , , , , , , , , , , , , ,	9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(400)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16	` '	
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	1,400	HV
		Environment (Kofu City)	9/15 - 9/16		
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	tr(200)	MV
		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	1,300	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L.		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	3,500	MV
Mio Porf	10	Mis Brofestyne Hoolth and Environment Describ Lind's	0/14 0/15	500	1117
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	500	HV
		(Yokkaichi City)	9/15 - 9/16		
	20	Order Leist Desfectoral Communication (D. 11) D. 11) Order	9/16 - 9/17 10/12 - 10/13	1,600	HV
Occ 1 D. C					
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2 Annex (Osaka City)	10/12 - 10/13	1,000	11 V

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	700	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	600	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	700	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(300)	HV
			10/20 - 10/21	ì í	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(400)	HV
,			10/20 - 10/21	(/	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	900	MV
r umagacini r rei.	20	Environment (Yamaguchi City)	210 2113	700	111 1
		Environment (Tuningaem City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	500	MV
	21	Tragi ficatur and werrare center (tragi city)	11/20 - 11/2/	300	1V1 V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	800	HV
i okusiiina Prei.	20	Environmental Sciences Center (Tokushima City)	10/19 - 10/20	800	п٧
		Environmental sciences center (Tokushima City)			
V D f	20	V	10/21 - 10/22	1 200	M7/
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	1,200	MV
		Sciences and Public Health (Takamatsu City)			
	20	W D C (1D 11; C ; ; D 1/T 1 (C;)	10/14 10/21	(200)	107
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	tr(300)	MV
El: D C	2.1	FILE D.C. L. L.C. L. L. L.C. T. L.C. T	10/5 10/6	700	****
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	700	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	tr(400)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	600	MV
	<u> </u>				
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(300)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	500	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	tr(300)	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(200)	HV
			9/29 - 9/30	` ′	
			9/30 - 10/1		
	1	1	7/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽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) $\ensuremath{\text{tr}}$: Detection limit value and more, less than Quantification limit value.

⁽Note 5) *: Indicates the sum value of the Quantification [Detection] limits of each congeners.

[23-1] Chlorinated decanes/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit : 50 Quantification limit : 120

_	Aggregated value
Geometric mean	170
Median	170
Maximum	560
Minimum	tr(60)

Local communities	No.	Monitored sites	Warm s	Measured value	Air sampler
Hokkaido	1	Vyshina Camanal Syhmuafaatyuul Dynaay (Vyshina City)	Sampling dates 10/2 - 10/9		MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(60)	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(70)	HV
		(9/29 - 9/30	-(/-/)	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	200	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment (Sendai City)	10/16 - 10/23	120	MV
			0/05 10/0	(100)	
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama City)	9/25 - 10/2	tr(100)	MV
11.70			0/00 10/6	220	
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura City)	9/29 - 10/6	230	MV
		• •			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(90)	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	230	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	160	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	280	HV
8		37	10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	400	MV
		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	170	HV
			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	200	HV
			9/16 - 9/17		
Ishikawa Pref.	1.4	I.I. II D I. I	9/17 - 9/18	140	HV
Isnikawa Prei.	14	Ishikawa Prefectural Institute of Public Health and Environmental Science (Kanazawa City)	9/14 - 9/15 9/15 - 9/16	140	нv
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	560	HV
i umanasin i ici.	13	Environment (Kofu City)	9/15 - 9/16	300	11 4
			9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	tr(60)	MV
-		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	290	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L	,	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	550	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	150	HV
		(Yokkaichi City)	9/15 - 9/16		
0 1 7 2	20	0.1.1:48.6.4.10	9/16 - 9/17	540	****
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13 10/13 - 10/14	540	HV
		Annex (Osaka City)			

Local communities	No.	Monitored sites	Warm season		
Eocai communicies			Sampling dates	Measured value	Air sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	240	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	200	HV
·		` **	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	200	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(110)	HV
		,	10/20 - 10/21	()	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	170	HV
Tinosinna City	23	Throshina City Kokutaiji Junioi Trigii School (Throshina City)	10/20 - 10/21	170	11 V
			10/20 - 10/21		
Yamaguchi Pref.	26	V		200	M
r amaguchi Prei.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	300	MV
		Environment (Yamaguchi City)			
		W : W 11 1W10 0 . W 10':	11/20 11/25	1.10	
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	140	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	230	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	140	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	120	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	170	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	130	HV
	-	g (10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	210	MV
Sugu i ici.	33	Suga Freiectural Environmental Research Center (Suga City)	3/7 3/10	210	141 4
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(70)	HV
Kumamoto Frei.	34			u(/U)	17 V
		Environmental Science (Udo City)	10/27 - 10/28		
M: 1:B C	2.5	MC 11D C / 1I // C D III II II I	10/28 - 10/29	. (100)	107
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	tr(100)	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	tr(100)	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
	<u></u>		10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	tr(70)	HV
			9/29 - 9/30		
			9/30 - 10/1		
	1		7/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

 $⁽Note\ 4)\ tr: Detection\ limit\ value\ and\ more,\ less\ than\ Quantification\ limit\ value.$

[23-2] Chlorinated undecanes/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit : 50 Quantification limit : 120

	Aggregated value
Geometric mean	220
Median	220
Maximum	1,900
Minimum	tr(50)

Local communities	No.	Monitored sites	Warm s	Measured value	Air sampler
Hokkaido	1	Version Community and a transfer to the December (Version City)	Sampling dates 10/2 - 10/9		MV
ноккатао	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	tr(60)	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	tr(60)	HV
		(9/29 - 9/30	-(00)	
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	160	HV
			9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	120	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	tr(80)	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	330	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	tr(80)	MV
		City)		,	
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	340	MV
,		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	450	MV
	,	Cincinginia Isiana (Ogasawara vinage)	10/4 - 10/11	430	1V1 V
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	460	HV
Kanagawa 1 ICi.	10	Ranagawa Environmentai Research Center (Tinatsuka City)	10/6 - 10/7	400	11 V
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/19 - 10/26	400	MV
,		(Yokohama City)			
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	160	HV
8			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	160	HV
			9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	190	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
77 1:D 6	1.5	Tr. 1:D.C. 11 C. CD 11: Tr. 14. 1	9/16 - 9/17	470	****
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and Environment (Kofu City)	9/14 - 9/15	470	HV
		Environment (Kotu City)	9/15 - 9/16		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	9/16 - 9/17 10/20 - 10/27	tr(60)	MV
rvagano i ici.	10	(Nagano City)	10/20 - 10/27	11(00)	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	710	HV
GHU I ICI.	1 /	Environmental Sciences (Kakamigahara City)	10/12 - 10/13	/10	11 V
		Environmental Sciences (Nakaiiligaliata City)	10/13 - 10/14		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	1,900	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	230	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	600	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities	110.	Worldored sites	Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	240	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	210	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	280	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(110)	HV
			10/20 - 10/21	, í	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	160	HV
•			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	410	MV
I willing well I I tell		Environment (Yamaguchi City)	210 2112		112 1
		(g,)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	290	MV
		Traditional were content (Tradit city)	11/20 11/27	250	111 1
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	300	HV
i okusiiiiia i ici.	20	Environmental Sciences Center (Tokushima City)	10/19 - 10/20	300	11 V
		Environmental Sciences Center (Tokushima City)			
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/21 - 10/22 10/14 - 10/21	930	MV
Kagawa Prei.	29	Sciences and Public Health (Takamatsu City)	10/14 - 10/21	930	IVI V
		Sciences and Fublic Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	170	MV
	30	Ragawa Freiecturai Fuolic Swillinning Foot (Takamatsu City)	10/14 - 10/21	170	IVI V
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	400	HV
Emme Prei.	31			400	Пν
		(Uwajima City)	10/6 - 10/7		
Fukuoka Pref.	22	Ownty City Comment Prolitics (Ownty City)	10/7 - 10/8	140	TIV
F икиока Ртет.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	140	HV
			10/21 - 10/22		
G D C	22		10/22 - 10/23	220	107
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	220	MV
			10/06 10/05	110	·
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	140	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	350	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	tr(110)	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
		and I done Health (Kagoshinia City)		, .	
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)		tr(50)	HV
Okinawa Pref.	37		10/21 - 10/22	tr(50)	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.

 $⁽Note\ 4)\ tr: Detection\ limit\ value\ and\ more,\ less\ than\ Quantification\ limit\ value.$

[23-3] Chlorinated dodecanes/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 29/37 (Missing value: 0)
Detection Frequency (sample): 29/37 (Missing value: 0)

Detection limit : 50 Quantification limit : 140

	Aggregated value
Geometric mean	tr(80)
Median	tr(70)
Maximum	640
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaido	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support enj	1 ~	Support First and (Support City)	9/29 - 9/30	iid	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(60)	HV
			9/29 - 9/30	, ,	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	tr(70)	MV
		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(80)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(110)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(70)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	160	HV
			10/6 - 10/7		
W 1 1 G	1.1	Yokohama Environmental Science Research Institute	10/7 - 10/8	150	107
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	150	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	tr(80)	HV
Tinguta Trei.	12	oyuna in Quanty Momoring Station (Migual City)	9/15 - 9/16	4(00)	11 '
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(70)	HV
•		, , , , , , , , , , , , , , , , , , , ,	9/16 - 9/17	, ,	
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(50)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	220	HV
		Environment (Kofu City)	9/15 - 9/16		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	9/16 - 9/17 10/20 - 10/27	nd	MV
Nagano Prei.	10	(Nagano City)	10/20 - 10/2/	nd	IVI V
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	190	HV
GHU I ICI.	1 /	Environmental Sciences (Kakamigahara City)	10/12 - 10/13	170	11 V
		Environmental Solenees (Eastainiganata City)	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	640	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(120)	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	290	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities	INO.	Worldored sites	Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(110)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(110)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	140	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(70)	HV
		,	10/20 - 10/21	` ′	
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(70)	HV
,			10/20 - 10/21	=(/*/	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	tr(110)	MV
r umagaem r ren	20	Environment (Yamaguchi City)	210 2113	11(110)	111 1
		Environment (Tuniaguein City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
	21	Tragi freath and wenare center (fragi city)	11/20 - 11/2/	na	1V1 V
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	180	HV
i okushima Piei.	20	Environmental Sciences Center (Tokushima City)	10/19 - 10/20	160	п٧
		Environmental sciences center (Tokushima City)			
V D f	20	V	10/21 - 10/22 10/14 - 10/21	tr(110)	MV
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(110)	IVI V
		Sciences and Public Health (Takamatsu City)			
	20	W D C (1D 11; C ; ; D 1/T 1 (C;)	10/14 - 10/21	1	MV
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	IVI V
El: D C	2.1	El: D C + 1C + 1M D : 10M	10/5 10/6	4 (00)	1117
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	tr(90)	HV
		(Uwajima City)	10/6 - 10/7		
		D 11 (0 1 G)	10/7 - 10/8	(60)	****
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	tr(60)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	140	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	tr(70)	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	tr(50)	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	tr(60)	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[23-4] Chlorinated tridecanes/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 23/37 (Missing value: 0) Detection Frequency (sample): 23/37 (Missing value: 0)

Detection limit: 40 Quantification limit: 100

	Aggregated value
Geometric mean	tr(40)
Median	tr(40)
Maximum	360
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Horkaldo	1	Rushiro General Suoprefectural Bureau (Rushiro City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support enj	~	Support Furt (Support City)	9/29 - 9/30	iid	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	tr(40)	HV
11100011011		Sugerim Quanty momentum summer (runnam eng)	9/29 - 9/30	(.0)	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
,		(Sendai City)			
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	tr(40)	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	tr(50)	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	tr(50)	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	tr(70)	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	tr(60)	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
1 (11 gatta 1 1 c)	12	o yana ini Quanty momening samen (ringaa eny)	9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	tr(50)	HV
J			9/16 - 9/17	()	
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16		
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	120	HV
		Environment (Kofu City)	9/15 - 9/16		
		• /	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	nd	MV
=		(Nagano City)			
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	tr(70)	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	L		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	360	MV
Mi- PC	10	Mis Drofesture Houlth of Franciscourse D. 11. C.	0/14 0/15	to(40)	1117
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	tr(40)	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.7.2	20	0.1.1.4.0.6.4.16.4.20.4.20.20.20.20.20.20.20.20.20.20.20.20.20.	9/16 - 9/17	1.40	****
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	140	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites	Warm	season	Air sampler
Local communities	INO.	Worldored sites	Sampling dates	Measured value	All sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	tr(70)	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	tr(50)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	tr(50)	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	tr(40)	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	tr(40)	HV
•			10/20 - 10/21	, ,	
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	tr(90)	MV
-		Environment (Yamaguchi City)		` ′	
		, , ,			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	tr(80)	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	tr(70)	MV
		Sciences and Public Health (Takamatsu City)		` ′	
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	tr(60)	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	tr(40)	HV
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	tr(60)	MV
**	2 :		10/06 10/05		****
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	nd	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
T7 1: 70 0	2.	Tr. 1: D.C. 11 die C. 7	10/10 10/20		****
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	nd	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		¥ /
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[24] Dicofol/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 3/37 (Missing value: 0) Detection Frequency (sample): 3/37 (Missing value: 0)

Detection limit: 0.2 Quantification limit: 0.5

	Aggregated value
Geometric mean	nd
Median	nd
Maximum	tr(0.3)
Minimum	nd

Local communities	No.	Monitored sites	Warm Sampling dates	Measured value	Air sampler
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	nd	MV
Hokkaido	1	Rushilo General Subprefectural Bureau (Rushilo City)	10/2 - 10/9	nd	IVI V
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	nd	HV
support enj	~	Support First and (Support Only)	9/29 - 9/30	IIG	11 1
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	nd	HV
11100011011		Sugerin Quanty memering sumen (runnawa eny)	9/29 - 9/30		
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	nd	MV
1111) 461 1 1011	·	(Sendai City)	10/10 10/20		1.1
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	nd	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	nd	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	nd	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	nd	MV
		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	nd	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	nd	HV
			10/6 - 10/7		
Yokohama City	11	Yokohama Environmental Science Research Institute	10/7 - 10/8 10/19 - 10/26	nd	MV
т оконаша Спу	11	(Yokohama City)	10/19 - 10/20	na	IVI V
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	nd	HV
g			9/15 - 9/16		
			9/16 - 9/17		
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	nd	HV
10) 41114 11011	10	Tenant in Quarty Memoring States (Tenant City)	9/16 - 9/17		
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	tr(0.2)	HV
		Environmental Science (Kanazawa City)	9/15 - 9/16	()	
			9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	nd	HV
		Environment (Kofu City)	9/15 - 9/16		
		((9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	tr(0.3)	MV
		(Nagano City)		=(0.0)	
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	nd	HV
		Environmental Sciences (Kakamigahara City)	10/13 - 10/14		
	<u>L</u>		10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	tr(0.3)	MV
	1.0		0/14 0/15		
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	nd	HV
		(Yokkaichi City)	9/15 - 9/16		
0.1.7.2			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	nd	HV
		Annex (Osaka City)	10/13 - 10/14		
	1		10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air sampler
Local communities	110.		Sampling dates	Measured value	-
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	nd	HV
		, , , , , , , , , , , , , , , , , , , ,	10/27 - 10/28		
			10/28 - 10/29		
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	nd	HV
		()	10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	nd	HV
		om randam rand rand coor and for the form	10/20 - 10/21	110	
			10/21 - 10/22		
II. 1. C.	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/21 - 10/22	nd	HV
Hiroshima City	23	Throshima City Kokutaiji Julioi Tiigii School (Tiiroshima City)	10/19 - 10/20	IIG	11 V
	26	Y 1'D C 4 11 ('4 CD 11' 11 14 1	10/21 - 10/22	1	107
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	nd	MV
		Environment (Yamaguchi City)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	nd	MV
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	nd	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	nd	MV
Ü		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	nd	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	nd	HV
		(Uwajima City)	10/6 - 10/7		
			10/7 - 10/8		
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	nd	HV
1 41140114 1 1 0 11		omata city severament bunding (ciniam city)	10/21 - 10/22	11.0	
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	nd	MV
Saga I ICI.	33	Saga i refectural Environmental Research Center (Saga City)	9/9 - 9/10	na	1 V1 V
Kumamoto Pref.	2.4	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27		HV
Kumamoto Pref.	34			nd	пν
		Environmental Science (Udo City)	10/27 - 10/28		
	2.5		10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	nd	MV
		Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	nd	HV
		and Public Health (Kagoshima City)	10/20 - 10/21		
			10/21 - 10/22		
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	nd	HV
			9/29 - 9/30		
			9/30 - 10/1		
		1), 5 G 10/1	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).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.

⁽Note 4) tr : Detection limit value and more, less than Quantification limit value.

⁽Note 5) nd : Not detected

[25] Perfluorohexane sulfonic acid (PFHxS)/air (pg/m³)

Monitored year: 2020

Detection Frequency (site): 37/37 (Missing value: 0)
Detection Frequency (sample): 37/37 (Missing value: 0)

Detection limit: 0.1 Quantification limit: 0.3

_	Aggregated value		
Geometric mean	2.5		
Median	2.4		
Maximum	6.1		
Minimum	0.7		

Local communities	No.	Monitored sites		season	Air sampler
			Sampling dates	Measured value	
Hokkaido	1	Kushiro General Subprefectural Bureau (Kushiro City)	10/2 - 10/9	3.7	MV
Sapporo City	2	Sapporo Art Park (Sapporo City)	9/28 - 9/29	2.2	HV
	_		9/29 - 9/30		
			9/30 - 10/1		
Iwate Pref.	3	Sugo Air Quality Monitoring Station (Takizawa City)	9/28 - 9/29	1.4	HV
		Sugerin Quanty momentum summer (runnam eny)	9/29 - 9/30	1	
			9/30 - 10/1		
Miyagi Pref.	4	Miyagi Prefectural Institute of Public Health and Environment	10/16 - 10/23	5.3	MV
11117 agr 1 1011		(Sendai City)	10/10 10/25	5.5	1111
Yamagata Pref.	5	Yamagata Institute of Environmental Sciences (Murayama	9/25 - 10/2	5.9	MV
		City)			
Ibaraki Pref.	6	Ibaraki Kasumigaura Environmental Science Center (Tsuchiura	9/29 - 10/6	5.6	MV
		City)			
Chiba Pref.	7	Ichihara-Matsuzaki Air Quality Monitoring Station (Ichihara	10/5 - 10/12	4.0	MV
		City)			
Tokyo Met.	8	Tokyo Metropolitan Research Institute for Environmental	10/16 - 10/23	4.6	MV
Tokyo Wei.		Protection (Koto Ward)			
	9	Chichijima Island (Ogasawara Village)	10/4 - 10/11	2.8	MV
Kanagawa Pref.	10	Kanagawa Environmental Research Center (Hiratsuka City)	10/5 - 10/6	1.8	HV
			10/6 - 10/7		
			10/7 - 10/8		
Yokohama City	11	Yokohama Environmental Science Research Institute (Yokohama City)	10/19 - 10/26	4.8	MV
Niigata Pref.	12	Oyama Air Quality Monitoring Station (Niigata City)	9/14 - 9/15	4.1	HV
Tilgata Tici.	12	Oyuna 711 Quanty Montoring Station (Migata City)	9/15 - 9/16	7.1	11 4
			9/16 - 9/17	1	
Toyama Pref.	13	Tonami Air Quality Monitoring Station (Tonami City)	9/15 - 9/16	1.3	HV
Toyama Tici.	13	Tollami Ali Quanty Monitoring Station (Tollami City)	9/16 - 9/17	1.5	11 V
			9/17 - 9/18		
Ishikawa Pref.	14	Ishikawa Prefectural Institute of Public Health and	9/14 - 9/15	2.4	HV
Ishikawa I ICI.	1 7	Environmental Science (Kanazawa City)	9/15 - 9/16	2.7	111
		Environmental Science (Kanazawa City)	9/16 - 9/17		
Yamanashi Pref.	15	Yamanashi Prefectural Institute of Public Health and	9/14 - 9/15	1.2	HV
i amanasın i ici.	13	Environment (Kofu City)	9/15 - 9/16	1.2	11 4
		Zin i dimidit (Rota City)	9/16 - 9/17		
Nagano Pref.	16	Nagano Environmental Conservation Research Institute	10/20 - 10/27	6.1	MV
11454110 1101.	10	(Nagano City)	10/20 - 10/2/	0.1	141 4
Gifu Pref.	17	Gifu Prefectural Research Institute for Health and	10/12 - 10/13	1.3	HV
Ollu FIEL	- '	Environmental Sciences (Kakamigahara City)	10/13 - 10/14		'
		(gamaa 5.5 ₁)	10/14 - 10/15		
Nagoya City	18	Chikusa Ward Heiwa Park (Nagoya City)	9/8 - 9/15	4.3	MV
Mie Pref.	19	Mie Prefecture Health and Environment Research Institute	9/14 - 9/15	1.8	HV
		(Yokkaichi City)	9/15 - 9/16		
			9/16 - 9/17		
Osaka Pref.	20	Osaka Joint Prefectural Government Building, Building 2	10/12 - 10/13	0.9	HV
		Annex (Osaka City)	10/13 - 10/14		
			10/14 - 10/15		

Local communities	No.	Monitored sites	Warm season		Air compler
			Sampling dates	Measured value	Air sampler
Hyogo Pref.	21	Hyogo Prefectural Environmental Research Center (Kobe City)	9/28 - 9/29	1.4	HV
			9/29 - 9/30		
			9/30 - 10/1		
Kobe City	22	Kobe Institute of Health (Kobe City)	10/26 - 10/27	1.0	HV
		Troot institute of freathir (freeze city)	10/27 - 10/28	1.0	11 1
			10/28 - 10/29		
	22	T A. O. I'. M		1.2	1117
Nara Pref.	23	Tenri Air Quality Monitoring Station (Tenri City)	10/26 - 10/27	1.2	HV
			10/27 - 10/28		
			10/28 - 10/29		
Shimane Pref.	24	Oki National Acid Rain Observatory (Okinoshima Town)	10/19 - 10/20	1.2	HV
			10/20 - 10/21		
			10/21 - 10/22		
Hiroshima City	25	Hiroshima City Kokutaiji Junior High School (Hiroshima City)	10/19 - 10/20	0.9	HV
			10/20 - 10/21		
			10/21 - 10/22		
Yamaguchi Pref.	26	Yamaguchi Prefectural Institute of Public Health and	9/8 - 9/15	4.9	MV
		Environment (Yamaguchi City)	2.2 2.10		
		Ziii ii oiiii (i uiiuguoii city)			
	27	Hagi Health and Welfare Center (Hagi City)	11/20 - 11/27	4.3	MV
	21	magi meann and wenare Center (magi City)	11/20 - 11/2/	4.3	IVI V
			10/10 10/20		
Tokushima Pref.	28	Tokushima Prefectural Public Health, Pharmaceutical and	10/19 - 10/20	1.5	HV
		Environmental Sciences Center (Tokushima City)	10/20 - 10/21		
			10/21 - 10/22		
Kagawa Pref.	29	Kagawa Prefectural Research Institute for Environmental	10/14 - 10/21	4.9	MV
		Sciences and Public Health (Takamatsu City)			
	30	Kagawa Prefectural Public Swimming Pool (Takamatsu City)	10/14 - 10/21	5.3	MV
Ehime Pref.	31	Ehime Prefectural Government Nanyo Regional Office	10/5 - 10/6	1.3	HV
Emme Trei.	31	(Uwajima City)	10/6 - 10/7	1.5	11 1
		(Owajina Oity)	10/7 - 10/8		
Enlandra Deaf	22	Omento City Covernment Building (Omento City)		1.8	HV
Fukuoka Pref.	32	Omuta City Government Building (Omuta City)	10/20 - 10/21	1.6	пν
			10/21 - 10/22		
			10/22 - 10/23		
Saga Pref.	33	Saga Prefectural Environmental Research Center (Saga City)	9/9 - 9/16	5.6	MV
Kumamoto Pref.	34	Kumamoto Prefectural Institute of Public Health and	10/26 - 10/27	0.7	HV
		Environmental Science (Udo City)	10/27 - 10/28		
			10/28 - 10/29		
Miyazaki Pref.	35	Miyazaki Prefectural Institute for Public Healthand	10/5 - 10/12	5.8	MV
	-	Environment (Miyazaki City)			
Kagoshima Pref.	36	Kagoshima Prefectural Institute for Environmental Research	10/19 - 10/20	1.5	HV
	50	and Public Health (Kagoshima City)	10/19 - 10/20	1.3	11 V
		and I done ficatul (Kagosiiilia City)			
		0 77 1 07 1 1779	10/21 - 10/22		·
Okinawa Pref.	37	Cape Hedo (Kunigami Village)	9/28 - 9/29	3.4	HV
			9/29 - 9/30		
	ı		9/30 - 10/1		

⁽Note 1) Detection frequency (site) is based on the number of sites, thus means (the number of detected sites/the number of surveyed sites).

Detection frequency (sample) is based on the number of samples, thus means (the number of detected samples/the number of surveyed samples).

⁽Note 2) Data treated as detected means detection limit value and more.

⁽Note 3) HV: High volume air sampler , MV: Medium volume air sampler.