

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [1] Aniline Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 23/31(Missing value: 0) Detection Frequency (sample): 23/31(Missing value: 0) Detection range: nd - 38,000 Detection limit range: 6.4 - 14 Detection limit: 14 Requested detection limit: 40 | Miyagi Pref. | 1 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | 96 | 6.4 |
| | | 2 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | 23 | 6.4 |
| | Akita Pref. | 3 | Akita Canal (Akita City) | *13 | 6.4 |
| | Ibaraki Pref. | 4 | Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City) | 52 | 6.4 |
| | Tochigi Pref. | 5 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 60 | 12 |
| | Gunma Pref. | 6 | Ainokawa-bashi Bridge, Riv. Yata (Itakura Town) | 110 | 6.4 |
| | Saitama Pref. | 7 | Matsutomi-hashi Bridge, Riv. Naka (Kasukabe City) | 85 | 6.4 |
| | | 8 | Ronsho-bashi Bridge, Riv. Touemon (Kawaguchi City) | 180 | 6.4 |
| | | 9 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 75 | 6.4 |
| | Chiba Pref. | 10 | Asai-bashi Bridge, Riv. Yourou (Ichihara City) | *9.3 | 6.4 |
| | | 11 | Coast of Ichihara and Anegasaki | 21 | 6.4 |
| | Yokohama City | 12 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 130 | 13 |
| | | 13 | Yokohama Port | 14 | 13 |
| | | 14 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 350 | 13 |
| | Ishikawa Pref. | 15 | Mouth of Riv. Sai (Kanazawa City) | 57 | 13 |
| | Fukui Pref. | 16 | End of Riv. Mawatari | 38,000 | 6.4 |
| | Aichi Pref. | 17 | West of Shiomi Wharf, Nagoya Port | 55 | 6.4 |
| | Nagoya City | 18 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 170 | 6.4 |
| | | 19 | South of Shiomi Wharf, Nagoya Port | 320 | 6.4 |
| | Mie Pref. | 20 | Yokkaichi Port | 88 | 13 |
| | Osaka Pref. | 21 | Mouth of Riv. Yamato (Sakai City) | 74 | 6.4 |
| | Osaka City | 22 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 92 | 6.4 |
| | | 23 | Osaka Port | 59 | 6.4 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | 13 |
| | | 25 | Offshore of Hagi | nd | 13 |
| | Ehime Pref. | 26 | Mishima area, Riv. Iwamatsu (Uwajima City) | 16 | 6.4 |
| | Fukuoka Pref. | 27 | Kabura-bashi Bridge, Riv. Raizan (Itoshima City) | nd | 13 |
| | | 28 | Offshore of Omuta | nd | 13 |
| | Kitakyushu City | 29 | Dokai Bay | nd | 14 |
| | Fukuoka City | 30 | Hakata Bay | *6.8 | 6.4 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 21 | 6.4 |

(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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-1] [(3-Decanamidopropyl)(dimethyl) ammonio]acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 16/31(Missing value: 0) Detection Frequency (sample): 16/31(Missing value: 0) Detection range: nd - 12 Detection limit range: 0.35 Detection limit: 0.35 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | 0.51 | 0.35 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | nd | 0.35 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 0.59 | 0.35 |
| | Akita Pref. | 4 | AKita Canal (Akita City) | 0.78 | 0.35 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | 0.35 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 0.51 | 0.35 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 4.7 | 0.35 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 0.35 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | nd | 0.35 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 0.53 | 0.35 |
| | | 11 | Yokohama Port | nd | 0.35 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 12 | 0.35 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 0.35 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 1.2 | 0.35 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 0.35 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 0.35 |
| | Shizuoka Pref. | 17 | Shimizu Port | 0.6 | 0.35 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 0.35 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 0.61 | 0.35 |
| | Mie Pref. | 20 | Yokkaichi Port | nd | 0.35 |
| | | 21 | Toba Port | nd | 0.35 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | 0.35 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | 0.49 | 0.35 |
| | Kobe City | 24 | Kobe Port (center) | nd | 0.35 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 1.3 | 0.35 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | 2.0 | 0.35 |
| | | 27 | Offshore of Mizushima | 0.72 | 0.35 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | 0.43 | 0.35 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | 0.35 |
| | Fukuoka City | 30 | Hakata Bay | nd | 0.35 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 0.96 | 0.35 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-2] [(3-Dodecanamidopropyl)(dimethyl) ammonio]acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 24/31(Missing value: 0) Detection Frequency (sample): 24/31(Missing value: 0) Detection range: nd - 140 Detection limit range: 2.6 Detection limit: 2.6 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | 4.2 | 2.6 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | nd | 2.6 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 7.1 | 2.6 |
| | Akita Pref. | 4 | AKita Canal (Akita City) | 7.4 | 2.6 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | 5.7 | 2.6 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 18 | 2.6 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 29 | 2.6 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 2.6 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 36 | 2.6 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 3.9 | 2.6 |
| | | 11 | Yokohama Port | nd | 2.6 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 140 | 2.6 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 3.2 | 2.6 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 16 | 2.6 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | 7.6 | 2.6 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 2.6 |
| | Shizuoka Pref. | 17 | Shimizu Port | 7.8 | 2.6 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 2.6 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 4.1 | 2.6 |
| | Mie Pref. | 20 | Yokkaichi Port | 2.7 | 2.6 |
| | | 21 | Toba Port | 3.4 | 2.6 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 8.9 | 2.6 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | nd | 2.6 |
| | Kobe City | 24 | Kobe Port (center) | 22 | 2.6 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 10 | 2.6 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | nd | 2.6 |
| | | 27 | Offshore of Mizushima | 29 | 2.6 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | 3.6 | 2.6 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | 7.1 | 2.6 |
| | Fukuoka City | 30 | Hakata Bay | 12 | 2.6 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 8.7 | 2.6 |

(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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-3] [(3-Tetradecanamidopropyl)(dimethyl) ammonio]acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 18/31(Missing value: 0) Detection Frequency (sample): 18/31(Missing value: 0) Detection range: nd - 26 Detection limit range: 2.8 Detection limit: 2.8 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | nd | 2.8 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | nd | 2.8 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 3.1 | 2.8 |
| | Akita Pref. | 4 | AKita Canal (Akita City) | nd | 2.8 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | 4.3 | 2.8 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 9.7 | 2.8 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 3.8 | 2.8 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 2.8 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 18 | 2.8 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 3.3 | 2.8 |
| | | 11 | Yokohama Port | nd | 2.8 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 26 | 2.8 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 2.8 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 3.4 | 2.8 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | 4.3 | 2.8 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 2.8 |
| | Shizuoka Pref. | 17 | Shimizu Port | 3.0 | 2.8 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 2.8 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 2.8 |
| | Mie Pref. | 20 | Yokkaichi Port | nd | 2.8 |
| | | 21 | Toba Port | nd | 2.8 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 6.0 | 2.8 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | 4.7 | 2.8 |
| | Kobe City | 24 | Kobe Port (center) | 5.9 | 2.8 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 3.4 | 2.8 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | nd | 2.8 |
| | | 27 | Offshore of Mizushima | 8.9 | 2.8 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | nd | 2.8 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | 4.4 | 2.8 |
| | Fukuoka City | 30 | Hakata Bay | 12 | 2.8 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 4.6 | 2.8 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-4] [(3-Hexadecanamidopropyl)(dimethyl) ammonio]acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 18/31(Missing value: 0) Detection Frequency (sample): 18/31(Missing value: 0) Detection range: nd - 9.3 Detection limit range: 0.76 Detection limit: 0.76 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | nd | 0.76 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | nd | 0.76 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 1.1 | 0.76 |
| | Akita Pref. | 4 | AKita Canal (Akita City) | nd | 0.76 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | 0.76 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 3.2 | 0.76 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 2.3 | 0.76 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 0.76 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 7.0 | 0.76 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 0.99 | 0.76 |
| | | 11 | Yokohama Port | nd | 0.76 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 9.3 | 0.76 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 0.76 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 0.77 | 0.76 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | 1.4 | 0.76 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 0.76 |
| | Shizuoka Pref. | 17 | Shimizu Port | 0.88 | 0.76 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 0.76 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 0.76 |
| | Mie Pref. | 20 | Yokkaichi Port | 1.1 | 0.76 |
| | | 21 | Toba Port | 0.96 | 0.76 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 1.4 | 0.76 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | 3.4 | 0.76 |
| | Kobe City | 24 | Kobe Port (center) | 1.9 | 0.76 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | 0.76 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | nd | 0.76 |
| | | 27 | Offshore of Mizushima | 3.1 | 0.76 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | nd | 0.76 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | 2.3 | 0.76 |
| | Fukuoka City | 30 | Hakata Bay | 1.7 | 0.76 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 1.4 | 0.76 |

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-5] [(3-Octadecanamidopropyl)(dimethyl) ammonio]acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 27/31(Missing value: 0) Detection Frequency (sample): 27/31(Missing value: 0) Detection range: nd - 9.2 Detection limit range: 0.24 Detection limit: 0.24 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | nd | 0.24 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | 0.36 | 0.24 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 0.84 | 0.24 |
| | Akita Pref. | 4 | AKITA Canal (Akita City) | 0.36 | 0.24 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | 0.34 | 0.24 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 1.9 | 0.24 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 2.7 | 0.24 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 0.24 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 4.2 | 0.24 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 0.88 | 0.24 |
| | | 11 | Yokohama Port | 0.45 | 0.24 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 9.2 | 0.24 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 0.35 | 0.24 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 0.56 | 0.24 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | 0.75 | 0.24 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 0.24 |
| | Shizuoka Pref. | 17 | Shimizu Port | nd | 0.24 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | 0.31 | 0.24 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 0.3 | 0.24 |
| | Mie Pref. | 20 | Yokkaichi Port | 0.9 | 0.24 |
| | | 21 | Toba Port | 0.59 | 0.24 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 0.96 | 0.24 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | 2.9 | 0.24 |
| | Kobe City | 24 | Kobe Port (center) | 1.3 | 0.24 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 0.67 | 0.24 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | 0.34 | 0.24 |
| | | 27 | Offshore of Mizushima | 2.0 | 0.24 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | 0.24 | 0.24 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | 1.5 | 0.24 |
| | Fukuoka City | 30 | Hakata Bay | 0.73 | 0.24 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | 0.74 | 0.24 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [2-6] (Z)-{3-(Octadeca-9-enamido)propyl} (dimethyl)ammonio} acetate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 6/31(Missing value: 0) Detection Frequency (sample): 6/31(Missing value: 0) Detection range: nd - 0.40 Detection limit range: 0.091 Detection limit: 0.091 Requested detection limit: 60 | Sapporo City | 1 | Nakanuma of Riv. Toyohira (Sapporo City) | nd | 0.091 |
| | | 2 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | nd | 0.091 |
| | Sendai City | 3 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | 0.091 |
| | Akita Pref. | 4 | AKITA Canal (Akita City) | nd | 0.091 |
| | Ibaraki Pref. | 5 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | 0.091 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | nd | 0.091 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 0.11 | 0.091 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 0.091 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 0.1 | 0.091 |
| | | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 0.091 |
| | Yokohama City | 11 | Yokohama Port | nd | 0.091 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 0.4 | 0.091 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 0.091 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | nd | 0.091 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 0.091 |
| | Nagano Pref. | 16 | Lake Suwa (center) | nd | 0.091 |
| | Shizuoka Pref. | 17 | Shimizu Port | 0.16 | 0.091 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 0.091 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 0.091 |
| | Mie Pref. | 20 | Yokkaichi Port | nd | 0.091 |
| | | 21 | Toba Port | nd | 0.091 |
| | Kyoto City | 22 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | 0.091 |
| | Osaka Pref. | 23 | Mouth of Riv. Yamato (Sakai City) | 0.11 | 0.091 |
| | Kobe City | 24 | Kobe Port (center) | nd | 0.091 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | 0.091 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | nd | 0.091 |
| | | 27 | Offshore of Mizushima | nd | 0.091 |
| | Ehime Pref. | 28 | Sawadu Fishing Port | nd | 0.091 |
| | | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | 0.15 | 0.091 |
| | Fukuoka City | 30 | Hakata Bay | nd | 0.091 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | 0.091 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [3-1] Octamethylcyclotetrasiloxane Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 19/26(Missing value: 4) Detection Frequency (sample): 19/26(Missing value: 4) Detection range: nd - 14 Detection limit range: 2.7 Detection limit: 2.7 Requested detection limit: 78 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | 2.8 | 2.7 |
| | Sapporo City | 2 | Nakanuma of Riv.Toyohira (Sapporo City) | 7.9 | 2.7 |
| | | 3 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | 12 | 2.7 |
| | Sendai City | 4 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | 2.7 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | 4.1 | 2.7 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 2.9 | 2.7 |
| | Gunma Pref. | 7 | Furutone-bashi Bridge, Riv. Ishida (Ota City) | 7.0 | 2.7 |
| | Saitama Pref. | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 4.9 | 2.7 |
| | Chiba Pref. | 9 | Asai-bashi Bridge, Riv. Yourou (Ichihara City) | 3.2 | 2.7 |
| | | 10 | Coast of Ichihara and Anegasaki | --- | 2.7 |
| | Tokyo Met. | 11 | Mouth of Riv. Arakawa (Koto Ward) | 7.5 | 2.7 |
| | | 12 | Mouth of Riv. Sumida (Minato Ward) | 13 | 2.7 |
| | Yokohama City | 13 | Kamenoko-bashi Bridge, Riv.Tsurumi (Yokohama City) | 8.4 | 2.7 |
| | | 14 | Yokohama Port | nd | 2.7 |
| | | 15 | Yoshikura-bashi Bridge, Riv.Kashio (Yokohama City) | 3.4 | 2.7 |
| | Niigata Pref. | 16 | Lower Riv. Shinano (Niigata City) | nd | 2.7 |
| | Ishikawa Pref. | 17 | Mouth of Riv. Sai (Kanazawa City) | 14 | 2.7 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | --- | 2.7 |
| | Mie Pref. | 19 | Yokkaichi Port | --- | 2.7 |
| | Kyoto City | 20 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 14 | 2.7 |
| | Osaka Pref. | 21 | Mouth of Riv. Yamato (Sakai City) | 4.5 | 2.7 |
| | Hyogo Pref. | 22 | Offshore of Himeji | nd | 2.7 |
| | | 23 | Koakamatsu-bashi Bridge, Riv. Chigusa (Sayo Town) | 4.6 | 2.7 |
| | Kobe City | 24 | Kobe Port (center) | --- | 2.7 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 14 | 2.7 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama) | 9.5 | 2.7 |
| | | 27 | Offshore of Mizushima | nd | 2.7 |
| | Fukuoka City | 28 | Hakata Bay | 4.1 | 2.7 |
| | Kumamot Pref. | 29 | Front of Yahata pool, Yatsushiro-kai Sea | nd | 2.7 |
| | | 30 | Umedo Port, Yatsushiro-kai Sea | nd | 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) --- : Missing value

(Note 3) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 4) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [3-2] Decamethylcyclpentasiloxane Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 16/26(Missing value: 4) Detection Frequency (sample): 16/26(Missing value: 4) Detection range: nd - 120 Detection limit range: 4.3 Detection limit: 4.3 Requested detection limit: 150 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | 7.4 | 4.3 |
| | Sapporo City | 2 | Nakanuma of Riv.Toyohira (Sapporo City) | 51 | 4.3 |
| | | 3 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | 95 | 4.3 |
| | Sendai City | 4 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | 4.3 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 4.3 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 9.4 | 4.3 |
| | Gunma Pref. | 7 | Furutone-bashi Bridge, Riv. Ishida (Ota City) | 31 | 4.3 |
| | Saitama Pref. | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 15 | 4.3 |
| | Chiba Pref. | 9 | Asai-bashi Bridge, Riv. Yourou (Ichihara City) | 9.0 | 4.3 |
| | | 10 | Coast of Ichihara and Anegasaki | --- | 4.3 |
| | Tokyo Met. | 11 | Mouth of Riv. Arakawa (Koto Ward) | 51 | 4.3 |
| | | 12 | Mouth of Riv. Sumida (Minato Ward) | 120 | 4.3 |
| | Yokohama City | 13 | Kamenoko-bashi Bridge, Riv.Tsurumi (Yokohama City) | 94 | 4.3 |
| | | 14 | Yokohama Port | nd | 4.3 |
| | | 15 | Yoshikura-bashi Bridge, Riv.Kashio (Yokohama City) | 4.4 | 4.3 |
| | Niigata Pref. | 16 | Lower Riv. Shinano (Niigata City) | nd | 4.3 |
| | Ishikawa Pref. | 17 | Mouth of Riv. Sai (Kanazawa City) | 77 | 4.3 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | --- | 4.3 |
| | Mie Pref. | 19 | Yokkaichi Port | --- | 4.3 |
| | Kyoto City | 20 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 57 | 4.3 |
| | Osaka Pref. | 21 | Mouth of Riv. Yamato (Sakai City) | 15 | 4.3 |
| | Hyogo Pref. | 22 | Offshore of Himeji | nd | 4.3 |
| | | 23 | Koakamatsu-bashi Bridge, Riv. Chigusa (Sayo Town) | nd | 4.3 |
| | Kobe City | 24 | Kobe Port (center) | --- | 4.3 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 110 | 4.3 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama) | 48 | 4.3 |
| | | 27 | Offshore of Mizushima | nd | 4.3 |
| | Fukuoka City | 28 | Hakata Bay | nd | 4.3 |
| | Kumamot Pref. | 29 | Front of Yahata pool, Yatsushiro-kai Sea | nd | 4.3 |
| | | 30 | Umedo Port, Yatsushiro-kai Sea | nd | 4.3 |

(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) --- : Missing value

(Note 3) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 4) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [3-3] Dodecamethylcyclohexasiloxane Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 15/26(Missing value: 4) Detection Frequency (sample): 15/26(Missing value: 4) Detection range: nd - 12 Detection limit range: 2.3 Detection limit: 2.3 Requested detection limit: 9.2 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 2.3 |
| | Sapporo City | 2 | Nakanuma of Riv.Toyohira (Sapporo City) | 4.7 | 2.3 |
| | | 3 | Daiichishinkawa-bashi Bridge, Riv. Shin (Sapporo City) | 10 | 2.3 |
| | Sendai City | 4 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | 2.3 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 2.3 |
| | Tochigi Pref. | 6 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 2.4 | 2.3 |
| | Gunma Pref. | 7 | Furutone-bashi Bridge, Riv. Ishida (Ota City) | 3.5 | 2.3 |
| | Saitama Pref. | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 6.9 | 2.3 |
| | Chiba Pref. | 9 | Asai-bashi Bridge, Riv. Yourou (Ichihara City) | nd | 2.3 |
| | | 10 | Coast of Ichihara and Anegasaki | --- | 2.3 |
| | Tokyo Met. | 11 | Mouth of Riv. Arakawa (Koto Ward) | 4.9 | 2.3 |
| | | 12 | Mouth of Riv. Sumida (Minato Ward) | 12 | 2.3 |
| | Yokohama City | 13 | Kamenoko-bashi Bridge, Riv.Tsurumi (Yokohama City) | 6.3 | 2.3 |
| | | 14 | Yokohama Port | nd | 2.3 |
| | | 15 | Yoshikura-bashi Bridge, Riv.Kashio (Yokohama City) | nd | 2.3 |
| | Niigata Pref. | 16 | Lower Riv. Shinano (Niigata City) | 2.6 | 2.3 |
| | Ishikawa Pref. | 17 | Mouth of Riv. Sai (Kanazawa City) | 9.8 | 2.3 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | --- | 2.3 |
| | Mie Pref. | 19 | Yokkaichi Port | --- | 2.3 |
| | Kyoto City | 20 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | 7.9 | 2.3 |
| | Osaka Pref. | 21 | Mouth of Riv. Yamato (Sakai City) | 6.2 | 2.3 |
| | Hyogo Pref. | 22 | Offshore of Himeji | nd | 2.3 |
| | | 23 | Koakamatsu-bashi Bridge, Riv. Chigusa (Sayo Town) | 2.5 | 2.3 |
| | Kobe City | 24 | Kobe Port (center) | --- | 2.3 |
| | Nara Pref. | 25 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 12 | 2.3 |
| | Okayama Pref. | 26 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama) | 11 | 2.3 |
| | | 27 | Offshore of Mizushima | nd | 2.3 |
| | Fukuoka City | 28 | Hakata Bay | nd | 2.3 |
| | Kumamot Pref. | 29 | Front of Yahata pool, Yatsushiro-kai Sea | nd | 2.3 |
| | | 30 | Umedo Port, Yatsushiro-kai Sea | nd | 2.3 |

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

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

(Note 2) --- : Missing value

(Note 3) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 4) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|---|----------------|--------------------------|
| | | | | Sample1 | |
| [4] Carbon disulfide Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 31/32(Missing value: 0) Detection Frequency (sample): 31/32(Missing value: 0) Detection range: nd - 420 Detection limit range: 2.7 - 4.9 Detection limit: 4.2 Requested detection limit: 68 | Miyagi Pref. | 1 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | 21 | 4.9 |
| | | 2 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | 76 | 4.9 |
| | Akita Pref. | 3 | Akita Canal (Akita City) | 76 | 4.9 |
| | Ibaraki Pref. | 4 | Tonekamome-ohasi Bridge, Mouth of Riv. Tone (Kamisu City) | 22 | 4.9 |
| | Saitama Pref. | 5 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 170 | 4.9 |
| | Saitama City | 6 | Nakadote-hashi Bridge, Riv. Kamo (Saitama City) | 76 | 4.9 |
| | Chiba Pref. | 7 | Asai-bashi Bridge, Riv. Yourou (Ichihara City) | 19 | 4.9 |
| | | 8 | Coast of Ichihara and Anegasaki | 8.2 | 4.9 |
| | Tokyo Met. | 9 | Mouth of Riv. Arakawa (Koto Ward) | 82 | 4.9 |
| | | 10 | Mouth of Riv. Sumida (Minato Ward) | 56 | 4.9 |
| | Yokohama City | 11 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 28 | 4.9 |
| | | 12 | Yokohama Port | 33 | 4.9 |
| | | 13 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 39 | 4.9 |
| | Niigata Pref. | 14 | Front of Teraji, offshore of Nishikubiki | nd | 4.2 |
| | Aichi Pref. | 15 | West of Shiomi Wharf, Nagoya Port | 37 | 4.9 |
| | Nagoya City | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 130 | 4.9 |
| | | 17 | South of Shiomi Wharf, Nagoya Port | 110 | 4.9 |
| | Mie Pref. | 18 | Yokkaichi Port | 59 | 4.9 |
| | | 19 | Toba Port | 420 | 4.9 |
| | Osaka Pref. | 20 | Mouth of Riv. Yamato (Sakai City) | 77 | 4.9 |
| | Osaka City | 21 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 72 | 4.9 |
| | | 22 | Osaka Port | 230 | 4.9 |
| | Wakayama Pref. | 23 | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) | 24 | 4.9 |
| | | 24 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | 53 | 4.9 |
| | Okayama Pref. | 25 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | 8.8 | 4.9 |
| | | 26 | Offshore of Mizushima | 69 | 4.9 |
| | Tokushima Pref. | 27 | Kagasuno-bashi Bridge, Riv. Imagire (Tokushima City, Matsushige Town) | 190 | 4.9 |
| | Fukuoka Pref. | 28 | Kabura-bashi Bridge, Riv. Raizan (Itoshima City) | 11 | 2.7 |
| | | 29 | Offshore of Omuta | 8.7 | 2.7 |
| | Fukuoka City | 30 | Hakata Bay | 180 | 4.9 |
| | Saga Pref. | 31 | Imari Bay | 64 | 4.9 |
| | Oita Pref. | 32 | Mouth of Riv. Oita (Oita City) | 220 | 4.9 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-1] Dimethyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 5/34(Missing value: 0) Detection Frequency (sample): 5/34(Missing value: 0) Detection range: nd - 120 Detection limit range: 5.6 - 11 Detection limit: 11 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 5.8 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 5.8 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 5.8 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 5.8 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 5.8 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 5.8 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 5.8 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 5.8 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 5.8 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 25 | 11 |
| | | 11 | Yokohama Port | nd | 11 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 24 | 11 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 5.8 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 5.8 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 5.8 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 5.8 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 5.8 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | 22 | 5.6 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 120 | 5.8 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 5.8 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 5.8 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 5.8 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 5.8 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 5.8 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 5.8 |
| | | 26 | Osaka Port | *7.9 | 5.8 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 5.8 |
| | Kobe City | 28 | Kobe Port (center) | nd | 5.8 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 5.8 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 5.8 |
| | Fukuoka City | 31 | Hakata Bay | nd | 5.8 |
| | Saga Pref. | 32 | Imari Bay | nd | 5.8 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haeburu Town) | 15 | 5.8 |
| | | 34 | Naha Port | nd | 5.8 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-2] Diethyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 5/34(Missing value: 0) Detection Frequency (sample): 5/34(Missing value: 0) Detection range: nd - 48 Detection limit range: 11 - 23 Detection limit: 23 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 23 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 23 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 23 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 23 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 23 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 23 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 23 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 23 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 23 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 24 | 13 |
| | | 11 | Yokohama Port | nd | 13 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 29 | 13 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 23 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 23 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 23 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 23 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 23 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 11 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 23 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | 24 | 23 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 23 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 23 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 23 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 23 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 23 |
| | | 26 | Osaka Port | 25 | 23 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 23 |
| | Kobe City | 28 | Kobe Port (center) | nd | 23 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 23 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 23 |
| | Fukuoka City | 31 | Hakata Bay | nd | 23 |
| | Saga Pref. | 32 | Imari Bay | nd | 23 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | 48 | 23 |
| | | 34 | Naha Port | nd | 23 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-3] Diisobutyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 2/34(Missing value: 0) Detection Frequency (sample): 2/34(Missing value: 0) Detection range: nd - 150 Detection limit range: 8.8 - 26 Detection limit: 26 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 20 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 20 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 20 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 20 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 20 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 20 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 20 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 20 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 20 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 26 |
| | | 11 | Yokohama Port | nd | 26 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | nd | 26 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 20 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 20 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 20 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 20 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 20 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 8.8 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 20 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 20 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 20 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 20 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 20 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 20 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 150 | 20 |
| | | 26 | Osaka Port | 76 | 20 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 20 |
| | Kobe City | 28 | Kobe Port (center) | nd | 20 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 20 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 20 |
| | Fukuoka City | 31 | Hakata Bay | nd | 20 |
| | Saga Pref. | 32 | Imari Bay | nd | 20 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haeburu Town) | nd | 20 |
| | | 34 | Naha Port | nd | 20 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-4] Di- <i>n</i> -butyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 7/34(Missing value: 0) Detection Frequency (sample): 7/34(Missing value: 0) Detection range: nd - 120 Detection limit range: 18 Detection limit: 18 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 18 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 18 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 18 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 18 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 18 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | 120 | 18 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 18 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 18 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 18 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 18 |
| | | 11 | Yokohama Port | nd | 18 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | nd | 18 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 18 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | 120 | 18 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | 98 | 18 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 18 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 18 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 18 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 18 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 18 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 18 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 18 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 18 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 18 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 18 |
| | | 26 | Osaka Port | 110 | 18 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 18 |
| | Kobe City | 28 | Kobe Port (center) | nd | 18 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 18 |
| | Kitakyushu City | 30 | Dokai Bay | 71 | 18 |
| | Fukuoka City | 31 | Hakata Bay | 92 | 18 |
| | Saga Pref. | 32 | Imari Bay | nd | 18 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haeburu Town) | 110 | 18 |
| | | 34 | Naha Port | nd | 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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-5] Di- <i>n</i> -hexyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 0/34(Missing value: 0) Detection Frequency (sample): 0/34(Missing value: 0) Detection range: nd Detection limit range: 6.3 Detection limit: 6.3 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 6.3 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 6.3 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 6.3 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 6.3 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 6.3 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 6.3 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 6.3 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 6.3 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 6.3 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 6.3 |
| | | 11 | Yokohama Port | nd | 6.3 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | nd | 6.3 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 6.3 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 6.3 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 6.3 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 6.3 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 6.3 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 6.3 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 6.3 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 6.3 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 6.3 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 6.3 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 6.3 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 6.3 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 6.3 |
| | | 26 | Osaka Port | nd | 6.3 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 6.3 |
| | Kobe City | 28 | Kobe Port (center) | nd | 6.3 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 6.3 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 6.3 |
| | Fukuoka City | 31 | Hakata Bay | nd | 6.3 |
| | Saga Pref. | 32 | Imari Bay | nd | 6.3 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | nd | 6.3 |
| | | 34 | Naha Port | nd | 6.3 |

(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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-6] Dioctyl phthalates Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 8/34(Missing value: 0) Detection Frequency (sample): 8/34(Missing value: 0) Detection range: nd - 590 Detection limit range: 130 Detection limit: 130 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 130 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 130 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | 140 | 130 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | 140 | 130 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 130 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | 140 | 130 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 130 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 130 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | 220 | 130 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 280 | 130 |
| | | 11 | Yokohama Port | nd | 130 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | nd | 130 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 140 | 130 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 130 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 130 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 130 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 130 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 130 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 130 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 130 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 130 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 130 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 130 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 130 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 240 | 130 |
| | | 26 | Osaka Port | nd | 130 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 130 |
| | Kobe City | 28 | Kobe Port (center) | nd | 130 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 130 |
| | Kitakyushu City | 30 | Dokai Bay | 590 | 130 |
| | Fukuoka City | 31 | Hakata Bay | nd | 130 |
| | Saga Pref. | 32 | Imari Bay | nd | 130 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haeburu Town) | nd | 130 |
| | | 34 | Naha Port | nd | 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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-6-1] Di- <i>n</i> -octyl phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 0/34(Missing value: 0) Detection Frequency (sample): 0/34(Missing value: 0) Detection range: nd Detection limit range: 7.9 Detection limit: 7.9 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 7.9 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 7.9 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 7.9 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 7.9 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 7.9 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 7.9 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 7.9 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 7.9 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 7.9 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 7.9 |
| | | 11 | Yokohama Port | nd | 7.9 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | nd | 7.9 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 7.9 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 7.9 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 7.9 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 7.9 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 7.9 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 7.9 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 7.9 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 7.9 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 7.9 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 7.9 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 7.9 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 7.9 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 7.9 |
| | | 26 | Osaka Port | nd | 7.9 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 7.9 |
| | Kobe City | 28 | Kobe Port (center) | nd | 7.9 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 7.9 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 7.9 |
| | Fukuoka City | 31 | Hakata Bay | nd | 7.9 |
| | Saga Pref. | 32 | Imari Bay | nd | 7.9 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | nd | 7.9 |
| | | 34 | Naha Port | nd | 7.9 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-6-2] Di(2-ethylhexy) phthalate Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 10/34(Missing value: 0) Detection Frequency (sample): 10/34(Missing value: 0) Detection range: nd - 2,900 Detection limit range: 190 Detection limit: 190 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | 300 | 190 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 190 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 190 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 190 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 190 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 190 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 190 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 190 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | 310 | 190 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | 310 | 190 |
| | | 11 | Yokohama Port | nd | 190 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 510 | 190 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 290 | 190 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 190 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 190 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 190 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 190 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 190 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | 220 | 190 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | 380 | 190 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 190 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 190 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 190 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 190 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 190 |
| | | 26 | Osaka Port | nd | 190 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 190 |
| | Kobe City | 28 | Kobe Port (center) | nd | 190 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 190 |
| | Kitakyushu City | 30 | Dokai Bay | 2,900 | 190 |
| | Fukuoka City | 31 | Hakata Bay | 230 | 190 |
| | Saga Pref. | 32 | Imari Bay | nd | 190 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | nd | 190 |
| | | 34 | Naha Port | 340 | 190 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-7] Dinonyl phthalates Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 5/34(Missing value: 0) Detection Frequency (sample): 5/34(Missing value: 0) Detection range: nd - 840 Detection limit range: 82 Detection limit: 82 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 82 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 82 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 82 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 82 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 82 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 82 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 82 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 82 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | 96 | 82 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 82 |
| | | 11 | Yokohama Port | nd | 82 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 840 | 82 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 85 | 82 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 82 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 82 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 82 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 82 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 82 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 82 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 82 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 82 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 82 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 82 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 82 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 82 |
| | | 26 | Osaka Port | nd | 82 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 82 |
| | Kobe City | 28 | Kobe Port (center) | nd | 82 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 82 |
| | Kitakyushu City | 30 | Dokai Bay | 93 | 82 |
| | Fukuoka City | 31 | Hakata Bay | nd | 82 |
| | Saga Pref. | 32 | Imari Bay | nd | 82 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haeburu Town) | 140 | 82 |
| | | 34 | Naha Port | nd | 82 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|---|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-8] Didecyl phthalates Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 7/34(Missing value: 0) Detection Frequency (sample): 7/34(Missing value: 0) Detection range: nd - 330 Detection limit range: 27 Detection limit: 27 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 27 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 27 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | 110 | 27 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 27 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 27 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | 52 | 27 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 27 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | 68 | 27 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 27 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 27 |
| | | 11 | Yokohama Port | nd | 27 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 330 | 27 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 27 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | 33 | 27 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 27 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 27 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 27 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 27 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 27 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 27 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 27 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 27 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 27 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 27 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | 27 |
| | | 26 | Osaka Port | nd | 27 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 27 |
| | Kobe City | 28 | Kobe Port (center) | nd | 27 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 27 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 27 |
| | Fukuoka City | 31 | Hakata Bay | nd | 27 |
| | Saga Pref. | 32 | Imari Bay | nd | 27 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | 270 | 27 |
| | | 34 | Naha Port | 230 | 27 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [6-9] Diundecyl phthalates Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 2/34(Missing value: 0) Detection Frequency (sample): 2/34(Missing value: 0) Detection range: nd - 31 Detection limit range: 13 Detection limit: 13 Requested detection limit: 100 | Hokkaido | 1 | Suzuran-ohashi Bridge, Riv Tokachi (Obihiro City) | nd | 13 |
| | Iwate Pref. | 2 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 13 |
| | Miyagi Pref. | 3 | Futatsuya-bashi Bridge, Riv. Hasama (Tome City) | nd | 13 |
| | | 4 | Sakura-hodoukyou Bridge, Riv. Shiroishi (Shibata Town) | nd | 13 |
| | Akita Pref. | 5 | Akita Canal (Akita City) | nd | 13 |
| | Fukushima Pref. | 6 | Upstream of the junction with Riv. Omori, Riv. Nigori (Fukushima City) | nd | 13 |
| | Saitama Pref. | 7 | Do-bashi Bridge, Riv. Naka (Kazo City) | nd | 13 |
| | | 8 | Akigaseshusuizeki of Riv. Arakawa (Shiki City) | nd | 13 |
| | Chiba Pref. | 9 | Coast of Ichihara and Anegasaki | nd | 13 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 13 |
| | | 11 | Yokohama Port | nd | 13 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 31 | 13 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | nd | 13 |
| | Toyama Pref. | 14 | Ishida-bashi Bridge, Riv. Kurose (Kurobe City) | nd | 13 |
| | | 15 | Daimon-ohashi Bridge, Riv. Sho (Imizu City) | nd | 13 |
| | Fukui Pref. | 16 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | 13 |
| | Nagano Pref. | 17 | Manzai-ohashi Bridge, Riv. Achi (Iida City) | nd | 13 |
| | Aichi Pref. | 18 | West of Shiomi Wharf, Nagoya Port | nd | 13 |
| | Nagoya City | 19 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City) | nd | 13 |
| | | 20 | South of Shiomi Wharf, Nagoya Port | nd | 13 |
| | Mie Pref. | 21 | Yokkaichi Port | nd | 13 |
| | Shiga Pref. | 22 | Lake Biwa (center, offshore of Minamihira) | nd | 13 |
| | | 23 | Lake Biwa (center, offshore of Karasaki) | nd | 13 |
| | Osaka Pref. | 24 | Mouth of Riv. Yamato (Sakai City) | nd | 13 |
| | Osaka City | 25 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 15 | 13 |
| | | 26 | Osaka Port | nd | 13 |
| | Hyogo Pref. | 27 | Offshore of Himeji | nd | 13 |
| | Kobe City | 28 | Kobe Port (center) | nd | 13 |
| | Wakayama Pref. | 29 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | nd | 13 |
| | Kitakyushu City | 30 | Dokai Bay | nd | 13 |
| | Fukuoka City | 31 | Hakata Bay | nd | 13 |
| | Saga Pref. | 32 | Imari Bay | nd | 13 |
| | Okinawa Pref. | 33 | Ryutou-bashi Bridge, Riv. Nagadou (Tomigusuku City, Haebaru Town) | nd | 13 |
| | | 34 | Naha Port | nd | 13 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Local communities | No | Monitored sites | Measured value | Reported detection limit |
|--|-------------------|----|--|----------------|--------------------------|
| | | | | Sample1 | |
| [7] 2-sec -Butylphenyl N-methylcarbamate (synonym: Fenobucarb or BPMC) Detailed Environmental Survey/surface water (ng/L) Detection Frequency (site): 25/32(Missing value: 0) Detection Frequency (sample): 25/32(Missing value: 0) Detection range: nd - 4.2 Detection limit range: 0.052 Detection limit: 0.052 Requested detection limit: 3 | Iwate Pref. | 1 | Toyosawa-bashi Bridge, Riv. Toyosawa (Hanamaki City) | nd | 0.052 |
| | Sendai City | 2 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | 0.21 | 0.052 |
| | Akita Pref. | 3 | Akita Canal (Akita City) | 0.23 | 0.052 |
| | Ibaraki Pref. | 4 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | 0.68 | 0.052 |
| | Tochigi Pref. | 5 | Tagawa Kyubun Area Head Works, Riv. Tagawa (Utsunomiya City) | 1.2 | 0.052 |
| | Gunma Pref. | 6 | Seinai-bashi Bridge, Riv. Nira (Maebashi City) | 0.19 | 0.052 |
| | Saitama City | 7 | Nakadote-hashii Bridge, Riv. Kamo (Saitama City) | 0.36 | 0.052 |
| | Tokyo Met. | 8 | Mouth of Riv. Arakawa (Koto Ward) | nd | 0.052 |
| | | 9 | Mouth of Riv. Sumida (Minato Ward) | 0.25 | 0.052 |
| | Yokohama City | 10 | Kamenoko-bashi Bridge, Riv. Tsurumi (Yokohama City) | nd | 0.052 |
| | | 11 | Yokohama Port | nd | 0.052 |
| | | 12 | Yoshikura-bashi Bridge, Riv. Kashio (Yokohama City) | 2.2 | 0.052 |
| | Niigata Pref. | 13 | Lower Riv. Shinano (Niigata City) | 0.35 | 0.052 |
| | Ishikawa Pref. | 14 | Mouth of Riv. Sai (Kanazawa City) | 3.0 | 0.052 |
| | Fukui Pref. | 15 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | 0.17 | 0.052 |
| | Nagano Pref. | 16 | Lake Suwa (center) | 0.32 | 0.052 |
| | Shizuoka Pref. | 17 | Shimizu Port | 0.14 | 0.052 |
| | | 18 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | 0.29 | 0.052 |
| | Aichi Pref. | 19 | West of Shiomi Wharf, Nagoya Port | 0.23 | 0.052 |
| | Mie Pref. | 20 | Yokkaichi Port | 0.54 | 0.052 |
| | | 21 | Toba Port | 0.11 | 0.052 |
| | Osaka Pref. | 22 | Mouth of Riv. Yamato (Sakai City) | 4.2 | 0.052 |
| | Wakayama Pref. | 23 | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa (Wakayama City) | 2.7 | 0.052 |
| | | 24 | Noguchi-bashi Bridge, Riv. Hidaka (Gobo City) | 0.18 | 0.052 |
| | Okayama Pref. | 25 | Sasagase-bashi Bridge, Riv. Sasagase (Okayama City) | 0.87 | 0.052 |
| | | 26 | Offshore of Mizushima | 0.18 | 0.052 |
| | Yamaguchi Pref. | 27 | Tokuyama Bay | nd | 0.052 |
| | | 28 | Offshore of Hagi | 0.13 | 0.052 |
| | Ehime Pref. | 29 | Sawadu Fishing Port | 0.15 | 0.052 |
| | | 30 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | 0.052 |
| | Kitakyushu City | 31 | Dokai Bay | nd | 0.052 |
| | Saga Pref. | 32 | Imari Bay | 0.52 | 0.052 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|--|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-1] [(3-Decanamidopropyl)(dimethyl)ammonio]acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 0/31(Missing value: 0) Detection Frequency (sample): 0/93(Missing value: 0) Detection range: nd Detection limit range: 0.091 - 0.24 Detection limit: 0.24 Requested detection limit: 140 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | nd | nd | 0.091 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 0.11 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 0.14 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 0.12 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | nd | nd | nd | 0.15 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 0.17 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | nd | 0.16 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.10 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.094 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | nd | 0.18 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 0.12 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.095 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 0.16 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | nd | 0.15 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 0.12 |
| | | 16 | Toba Port | nd | nd | nd | 0.15 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.11 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | nd | nd | nd | 0.17 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | nd | 0.16 |
| | | 20 | Osaka Port | nd | nd | nd | 0.17 |
| | Kobe City | 21 | Kobe Port (center) | *0.17 | nd | nd | 0.24 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | nd | nd | 0.13 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 0.11 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | nd | nd | 0.19 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 0.11 |
| | Kagawa Pref. | 26 | Takamatsu Port | nd | nd | nd | 0.15 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.13 |
| | Kitakyushu City | 28 | Dokai Bay | nd | nd | nd | 0.12 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 0.12 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | nd | 0.11 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.093 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|--|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-2] [(3-Dodecanamidopropyl)(dimethyl)ammonio]acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 0/31(Missing value: 0) Detection Frequency (sample): 0/93(Missing value: 0) Detection range: nd Detection limit range: 1.9 - 5.0 Detection limit: 5.0 Requested detection limit: 140 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | nd | nd | 1.9 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 2.3 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 2.9 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 2.5 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | nd | nd | nd | 3.1 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 3.7 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | nd | 3.4 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 2.2 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 2.0 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | *4.0 | 3.9 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 2.5 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 2.0 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 3.4 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | nd | 3.1 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 2.6 |
| | | 16 | Toba Port | nd | nd | nd | 3.2 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 2.3 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | nd | nd | nd | 3.7 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | nd | 3.4 |
| | | 20 | Osaka Port | nd | nd | nd | 3.6 |
| | Kobe City | 21 | Kobe Port (center) | nd | nd | nd | 5.0 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | *3.3 | nd | nd | 2.7 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 2.4 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | nd | nd | 4.1 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 2.3 |
| | Kagawa Pref. | 26 | Takamatsu Port | nd | nd | nd | 3.2 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 2.7 |
| | Kitakyushu City | 28 | Dokai Bay | nd | nd | nd | 2.6 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 2.5 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | nd | 2.4 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 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) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|--|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-3] [(3-Tetradecanamidopropyl)(dimethyl)ammonio]acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 1/31(Missing value: 0) Detection Frequency (sample): 1/93(Missing value: 0) Detection range: nd - 1.1 Detection limit range: 0.36 - 0.94 Detection limit: 0.94 Requested detection limit: 140 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | nd | nd | 0.36 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 0.43 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 0.55 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 0.47 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | nd | nd | nd | 0.59 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 0.69 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | *0.71 | 0.65 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.41 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.37 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | 1.1 | 0.73 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 0.48 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.38 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 0.65 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | nd | 0.59 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 0.49 |
| | | 16 | Toba Port | nd | nd | nd | 0.61 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.43 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | nd | nd | nd | 0.69 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | nd | 0.64 |
| | | 20 | Osaka Port | nd | nd | nd | 0.68 |
| | Kobe City | 21 | Kobe Port (center) | nd | nd | nd | 0.94 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | *0.68 | nd | *0.48 | 0.51 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 0.45 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | nd | nd | 0.77 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 0.43 |
| | Kagawa Pref. | 26 | Takamatsu Port | nd | nd | nd | 0.60 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.50 |
| | Kitakyushu City | 28 | Dokai Bay | nd | nd | nd | 0.49 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 0.48 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | nd | 0.46 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.37 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|---|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-4] [(3-Hexadecanamidopropyl)(dimethyl)ammonio]acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 6/31(Missing value: 0) Detection Frequency (sample): 6/93(Missing value: 0) Detection range: nd - 0.39 Detection limit range: 0.19 Detection limit: 0.19 Requested detection limit: 140 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | nd | nd | 0.19 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 0.19 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 0.19 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 0.19 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | 0.19 | nd | nd | 0.19 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 0.19 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | 0.39 | 0.19 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.19 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.19 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | 0.32 | 0.19 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 0.19 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.19 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 0.19 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | nd | 0.19 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 0.19 |
| | | 16 | Toba Port | nd | nd | nd | 0.19 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.19 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | nd | nd | 0.31 | 0.19 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | nd | 0.19 |
| | | 20 | Osaka Port | nd | nd | nd | 0.19 |
| | Kobe City | 21 | Kobe Port (center) | nd | nd | nd | 0.19 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 0.23 | nd | nd | 0.19 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 0.19 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | nd | nd | 0.19 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 0.19 |
| | Kagawa Pref. | 26 | Takamatsu Port | 0.20 | nd | nd | 0.19 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.19 |
| | Kitakyushu City | 28 | Dokai Bay | nd | nd | nd | 0.19 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 0.19 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | nd | 0.19 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.19 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|--|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-5] [(3-Octadecanamidopropyl)(dimethyl)ammonio]acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 9/31(Missing value: 0) Detection Frequency (sample): 14/93(Missing value: 0) Detection range: nd - 0.28 Detection limit range: 0.095 Detection limit: 0.095 Requested detection limit: 140 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | nd | nd | nd | 0.095 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | 0.16 | nd | 0.17 | 0.095 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 0.095 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 0.095 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | 0.26 | 0.24 | 0.25 | 0.095 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 0.095 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | 0.11 | nd | 0.21 | 0.095 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.095 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.095 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | 0.13 | 0.095 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 0.095 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.095 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 0.095 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | nd | 0.095 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 0.095 |
| | | 16 | Toba Port | nd | nd | nd | 0.095 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.095 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | nd | nd | 0.28 | 0.095 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | 0.10 | 0.095 |
| | | 20 | Osaka Port | 0.12 | nd | nd | 0.095 |
| | Kobe City | 21 | Kobe Port (center) | nd | nd | nd | 0.095 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | 0.11 | nd | nd | 0.095 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 0.095 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | nd | nd | nd | 0.095 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 0.095 |
| | Kagawa Pref. | 26 | Takamatsu Port | 0.22 | 0.24 | nd | 0.095 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.095 |
| | Kitakyushu City | 28 | Dokai Bay | nd | nd | nd | 0.095 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 0.095 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | nd | 0.095 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.095 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|---|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [2-6] (Z)-{[3-(Octadeca-9-enamido)propyl] (dimethylammonio) acetate Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 13/31(Missing value: 0) Detection Frequency (sample): 22/93(Missing value: 0) Detection range: nd - 0.16 Detection limit range: 0.0076 - 0.020 Detection limit: 0.020 Requested detection limit: 120 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | *0.013 | *0.018 | *0.012 | 0.0076 |
| | Akita Pref. | 2 | Akita Canal (Akita City) | 0.039 | nd | 0.030 | 0.0090 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | *0.015 | 0.011 |
| | Tokyo Met. | 4 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | 0.027 | 0.0099 |
| | | 5 | Mouth of Riv. Sumida (Minato Ward) | 0.075 | 0.078 | 0.050 | 0.012 |
| | Yokohama City | 6 | Yokohama Port | nd | nd | nd | 0.015 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | nd | 0.014 |
| | Ishikawa Pref. | 8 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.0087 |
| | Fukui Pref. | 9 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.0079 |
| | Nagano Pref. | 10 | Lake Suwa (center) | nd | nd | nd | 0.015 |
| | Shizuoka Pref. | 11 | Shimizu Port | nd | nd | nd | 0.010 |
| | | 12 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | 0.028 | nd | 0.0079 |
| | Aichi Pref. | 13 | West of Shiomi Wharf, Nagoya Port | nd | nd | nd | 0.014 |
| | Nagoya City | 14 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | 0.038 | 0.043 | 0.051 | 0.012 |
| | Mie Pref. | 15 | Yokkaichi Port | nd | nd | nd | 0.010 |
| | | 16 | Toba Port | nd | nd | nd | 0.013 |
| | Kyoto City | 17 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | *0.014 | nd | nd | 0.0090 |
| | Osaka Pref. | 18 | Mouth of Riv. Yamato (Sakai City) | *0.017 | nd | nd | 0.015 |
| | Osaka City | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | 0.029 | 0.047 | 0.034 | 0.014 |
| | | 20 | Osaka Port | 0.045 | 0.025 | *0.018 | 0.014 |
| | Kobe City | 21 | Kobe Port (center) | 0.16 | nd | nd | 0.020 |
| | Nara Pref. | 22 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | nd | 0.036 | 0.011 |
| | Okayama Pref. | 23 | Offshore of Mizushima | nd | nd | nd | 0.0095 |
| | Yamaguchi Pref. | 24 | Tokuyama Bay | 0.023 | nd | nd | 0.016 |
| | | 25 | Offshore of Hagi | nd | nd | nd | 0.0090 |
| | Kagawa Pref. | 26 | Takamatsu Port | 0.026 | 0.029 | nd | 0.013 |
| | Ehime Pref. | 27 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.011 |
| | Kitakyushu City | 28 | Dokai Bay | nd | *0.016 | 0.022 | 0.010 |
| | Fukuoka City | 29 | Hakata Bay | nd | nd | nd | 0.010 |
| | Saga Pref. | 30 | Imari Bay | nd | nd | 0.051 | 0.0096 |
| | Oita Pref. | 31 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.0078 |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|---|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [5-1] <i>N,N'</i> -Ethylenebis(dithiocarbamamic acid) Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 2/28(Missing value: 5) Detection Frequency (sample): 2/79(Missing value: 20) Detection range: nd - 0.48 Detection limit range: 0.12 - 0.34 Detection limit: 0.34 Requested detection limit: 0.0044 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | --- | --- | --- | --- |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 0.26 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 0.29 |
| | Chiba Pref. | 4 | Coast of Ichihara and Anegasaki | --- | --- | --- | --- |
| | Tokyo Met. | 5 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 0.27 |
| | | 6 | Mouth of Riv. Sumida (Minato Ward) | nd | nd | nd | 0.30 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | nd | 0.14 |
| | Toyama Pref. | 8 | Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) | --- | --- | --- | --- |
| | Ishikawa Pref. | 9 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.19 |
| | Fukui Pref. | 10 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.12 |
| | Nagano Pref. | 11 | Lake Suwa (center) | --- | nd | nd | 0.32 |
| | Shizuoka Pref. | 12 | Shimizu Port | 0.48 | *0.33 | *0.18 | 0.17 |
| | | 13 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.13 |
| | Aichi Pref. | 14 | West of Shiomi Wharf, Nagoya Port | --- | --- | --- | --- |
| | Nagoya City | 15 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | --- | 0.34 |
| | Mie Pref. | 16 | Yokkaichi Port | nd | nd | nd | 0.27 |
| | | 17 | Toba Port | nd | nd | nd | 0.27 |
| | Kyoto City | 18 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.13 |
| | Osaka Pref. | 19 | Mouth of Riv. Yamato (Sakai City) | nd | nd | nd | 0.21 |
| | Osaka City | 20 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | *0.32 | *0.30 | *0.28 | 0.26 |
| | | 21 | Osaka Port | nd | --- | nd | 0.33 |
| | Hyogo Pref. | 22 | Offshore of Himeji | --- | --- | --- | --- |
| | Kobe City | 23 | Kobe Port (center) | nd | nd | --- | 0.27 |
| | Nara Pref. | 24 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | nd | nd | 0.13 |
| | Okayama Pref. | 25 | Offshore of Mizushima | nd | nd | nd | 0.22 |
| | Yamaguchi Pref. | 26 | Tokuyama Bay | nd | nd | nd | 0.33 |
| | | 27 | Offshore of Hagi | nd | nd | 0.45 | 0.20 |
| | Kagawa Pref. | 28 | Takamatsu Port | nd | nd | nd | 0.23 |
| | Ehime Pref. | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 0.31 |
| | Kitakyushu City | 30 | Dokai Bay | nd | nd | nd | 0.28 |
| | Fukuoka City | 31 | Hakata Bay | nd | nd | nd | 0.24 |
| | Saga Pref. | 32 | Imari Bay | nd | nd | --- | 0.33 |
| | Oita Pref. | 33 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.14 |

(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) --- : Missing value

(Note 3) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 4) nd : Not detected

(Note 5) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.

| Target chemicals | Target chemicals | No. | Monitored sites | Measured value | | | Reported detection limit |
|--|------------------|-----|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [5-2] <i>N,N</i> -Dimethyldithiocarbamic acid Detailed Environmental Survey/sediment (ng/g-dry) Detection Frequency (site): 0/28(Missing value: 5) Detection Frequency (sample): 0/79(Missing value: 20) Detection range: nd Detection limit range: 0.49 - 1.3 Detection limit: 1.3 Requested detection limit: 0.0029 | Sendai City | 1 | Hirose-ohashi Bridge, Riv. Hirose (Sendai City) | --- | --- | --- | --- |
| | Akita Pref. | 2 | Akita Canal (Akita City) | nd | nd | nd | 1.0 |
| | Ibaraki Pref. | 3 | Tonekamome-ohashi Bridge, Mouth of Riv. Tone (Kamisu City) | nd | nd | nd | 1.1 |
| | Chiba Pref. | 4 | Coast of Ichihara and Anegasaki | --- | --- | --- | --- |
| | Tokyo Met. | 5 | Mouth of Riv. Arakawa (Koto Ward) | nd | nd | nd | 1.1 |
| | | 6 | Mouth of Riv. Sumida (Minato Ward) | nd | nd | nd | 1.2 |
| | Niigata Pref. | 7 | Lower Riv. Shinano (Niigata City) | nd | nd | nd | 0.53 |
| | Toyama Pref. | 8 | Hagiura-bashi Bridge, Mouth of Riv. Jintsu (Toyama City) | --- | --- | --- | --- |
| | Ishikawa Pref. | 9 | Mouth of Riv. Sai (Kanazawa City) | nd | nd | nd | 0.76 |
| | Fukui Pref. | 10 | Mishima-bashi Bridge, Riv. Shono (Tsuruga City) | nd | nd | nd | 0.49 |
| | Nagano Pref. | 11 | Lake Suwa (center) | --- | nd | nd | 1.2 |
| | Shizuoka Pref. | 12 | Shimizu Port | nd | nd | nd | 0.68 |
| | | 13 | Kaketsuka-bashi Bridge, Riv. Tenryu (Iwata City) | nd | nd | nd | 0.51 |
| | Aichi Pref. | 14 | West of Shiomi Wharf, Nagoya Port | --- | --- | --- | --- |
| | Nagoya City | 15 | Hinode-bashi Bridge, Riv. Shin-hori (Nagoya City) | nd | nd | --- | 1.3 |
| | Mie Pref. | 16 | Yokkaichi Port | nd | nd | nd | 1.1 |
| | | 17 | Toba Port | nd | nd | nd | 1.1 |
| | Kyoto City | 18 | Miyamae-bashi Bridge, Riv. Katsura (Kyoto City) | nd | nd | nd | 0.50 |
| | Osaka Pref. | 19 | Mouth of Riv. Yamato (Sakai City) | nd | nd | nd | 0.81 |
| | Osaka City | 20 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd | nd | nd | 1.0 |
| | | 21 | Osaka Port | nd | --- | nd | 1.3 |
| | Hyogo Pref. | 22 | Offshore of Himeji | --- | --- | --- | --- |
| | Kobe City | 23 | Kobe Port (center) | nd | nd | --- | 1.0 |
| | Nara Pref. | 24 | Taisho-bashi Bridge, Riv. Yamato (Oji Town) | nd | nd | nd | 0.50 |
| | Okayama Pref. | 25 | Offshore of Mizushima | nd | nd | nd | 0.85 |
| | Yamaguchi Pref. | 26 | Tokuyama Bay | nd | nd | nd | 1.3 |
| | | 27 | Offshore of Hagi | nd | nd | nd | 0.80 |
| | Kagawa Pref. | 28 | Takamatsu Port | nd | nd | nd | 0.89 |
| | Ehime Pref. | 29 | Mishima area, Riv. Iwamatsu (Uwajima City) | nd | nd | nd | 1.2 |
| | Kitakyushu City | 30 | Dokai Bay | nd | nd | nd | 1.1 |
| | Fukuoka City | 31 | Hakata Bay | nd | nd | nd | 0.95 |
| | Saga Pref. | 32 | Imari Bay | nd | nd | --- | 1.3 |
| | Oita Pref. | 33 | Mouth of Riv. Oita (Oita City) | nd | nd | nd | 0.54 |

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

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

(Note 2) --- : Missing value

(Note 3) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 4) nd : Not detected

| Target chemicals | Target chemicals | No. | Monitored sites (Wildlife species) | Measured value | | | Reported detection limit |
|--|------------------|---|--|----------------|---------|---------|--------------------------|
| | | | | Sample1 | Sample2 | Sample3 | |
| [3-1] Octamethylcyclotetrasiloxane Detailed Environmental Survey/wildlife (ng/g-wet) Detection Frequency (site): 8/12(Missing value: 0) Detection Frequency (sample): 21/36(Missing value: 0) Detection range: nd - 65 Detection limit range: 0.72 - 1.9 Detection limit: 0.79 Requested detection limit: 310 | Iwate Pref. | 1 | Yamada Bay (Blue mussel) | nd | nd | nd | 0.74 |
| | | 2 | Yamada Bay (Greenling) | *0.75 | nd | nd | 0.75 |
| | Tokyo Met. | 3 | Tokyo Bay (Sea bass) | 7.2 | 3.9 | 14 | 0.77 |
| | | 4 | Yokohama Port (Green mussel) | 3.2 | 3.5 | 3.1 | 0.74 |
| | Yokohama City | 4 | Yokohama Port (Green mussel) | 3.2 | 3.5 | 3.1 | 0.74 |
| | | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 9.4 | 6.7 | 8.4 | 0.72 |
| | Kawasaki City | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 9.4 | 6.7 | 8.4 | 0.72 |
| | | 6 | Coast of Noto Peninsula (Blue mussel) | nd | nd | nd | 0.72 |
| | Ishikawa Pref. | 6 | Coast of Noto Peninsula (Blue mussel) | nd | nd | nd | 0.72 |
| | | 7 | Osaka Bay (Sea bass) | 4.1 | 4.3 | 9.6 | 0.74 |
| | Osaka Pref. | 7 | Osaka Bay (Sea bass) | 4.1 | 4.3 | 9.6 | 0.74 |
| | | 8 | Offshore of Himeji (Sea bass) | nd | 3.9 | 1.3 | 0.72 |
| Hyogo Pref. | 8 | Offshore of Himeji (Sea bass) | nd | 3.9 | 1.3 | 0.72 | |
| | 9 | Offshore of Mizushima (Striped mullet) | 65 | 1.1 | 1.1 | 1.9 | |
| Okayama Pref. | 9 | Offshore of Mizushima (Striped mullet) | 65 | 1.1 | 1.1 | 1.9 | |
| | 10 | Tokuyama Bay (Striped mullet) | nd | nd | nd | 0.74 | |
| Yamaguchi Pref. | 10 | Tokuyama Bay (Striped mullet) | nd | nd | nd | 0.74 | |
| | 11 | Takamatsu Port (Striped mullet) | 1.9 | 1.7 | 2.4 | 0.73 | |
| Kagawa Pref. | 11 | Takamatsu Port (Striped mullet) | 1.9 | 1.7 | 2.4 | 0.73 | |
| | 12 | Mouth of Riv. Oita (Oita City) (Sea bass) | nd | nd | 0.93 | 0.79 | |
| [3-2] Decamethylcyclopentasiloxane Detailed Environmental Survey/wildlife (ng/g-wet) Detection Frequency (site): 12/12(Missing value: 0) Detection Frequency (sample): 35/36(Missing value: 0) Detection range: nd - 780 Detection limit range: 1.2 - 3.2 Detection limit: 1.3 Requested detection limit: 1,800 | Iwate Pref. | 1 | Yamada Bay (Blue mussel) | 28 | 26 | 25 | 1.2 |
| | | 2 | Yamada Bay (Greenling) | 8.6 | 5.5 | 5.8 | 1.2 |
| | Tokyo Met. | 3 | Tokyo Bay (Sea bass) | 46 | 20 | 71 | 1.3 |
| | | 4 | Yokohama Port (Green mussel) | 230 | 220 | 220 | 1.2 |
| | Yokohama City | 4 | Yokohama Port (Green mussel) | 230 | 220 | 220 | 1.2 |
| | | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 54 | 43 | 47 | 1.2 |
| | Kawasaki City | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 54 | 43 | 47 | 1.2 |
| | | 6 | Coast of Noto Peninsula (Blue mussel) | 1.7 | 1.5 | 1.4 | 1.2 |
| | Ishikawa Pref. | 6 | Coast of Noto Peninsula (Blue mussel) | 1.7 | 1.5 | 1.4 | 1.2 |
| | | 7 | Osaka Bay (Sea bass) | 43 | 47 | 62 | 1.3 |
| | Osaka Pref. | 7 | Osaka Bay (Sea bass) | 43 | 47 | 62 | 1.3 |
| | | 8 | Offshore of Himeji (Sea bass) | 4.1 | 23 | 12 | 1.2 |
| Hyogo Pref. | 8 | Offshore of Himeji (Sea bass) | 4.1 | 23 | 12 | 1.2 | |
| | 9 | Offshore of Mizushima (Striped mullet) | 780 | 20 | 43 | 3.2 | |
| Okayama Pref. | 9 | Offshore of Mizushima (Striped mullet) | 780 | 20 | 43 | 3.2 | |
| | 10 | Tokuyama Bay (Striped mullet) | 8.0 | 7.1 | 6.0 | 1.2 | |
| Yamaguchi Pref. | 10 | Tokuyama Bay (Striped mullet) | 8.0 | 7.1 | 6.0 | 1.2 | |
| | 11 | Takamatsu Port (Striped mullet) | 59 | 45 | 92 | 1.3 | |
| Kagawa Pref. | 11 | Takamatsu Port (Striped mullet) | 59 | 45 | 92 | 1.3 | |
| | 12 | Mouth of Riv. Oita (Oita City) (Sea bass) | nd | 1.4 | 11 | 1.3 | |
| [3-3] Dodecamethylcyclohexasiloxane Detailed Environmental Survey/wildlife (ng/g-wet) Detection Frequency (site): 7/12(Missing value: 0) Detection Frequency (sample): 19/36(Missing value: 0) Detection range: nd - 7.5 Detection limit range: 0.71 - 1.9 Detection limit: 0.78 Requested detection limit: 36 | Iwate Pref. | 1 | Yamada Bay (Blue mussel) | nd | nd | nd | 0.73 |
| | | 2 | Yamada Bay (Greenling) | nd | nd | nd | 0.75 |
| | Tokyo Met. | 3 | Tokyo Bay (Sea bass) | 1.3 | 1.0 | 1.9 | 0.76 |
| | | 4 | Yokohama Port (Green mussel) | 5.1 | 5.0 | 4.9 | 0.74 |
| | Yokohama City | 4 | Yokohama Port (Green mussel) | 5.1 | 5.0 | 4.9 | 0.74 |
| | | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 1.2 | 0.91 | 1.2 | 0.72 |
| | Kawasaki City | 5 | Offshore of Ogishima Island, Port of Kawasaki (Sea bass) | 1.2 | 0.91 | 1.2 | 0.72 |
| | | 6 | Coast of Noto Peninsula (Blue mussel) | nd | nd | nd | 0.71 |
| | Ishikawa Pref. | 6 | Coast of Noto Peninsula (Blue mussel) | nd | nd | nd | 0.71 |
| | | 7 | Osaka Bay (Sea bass) | 1.1 | 1.2 | 1.4 | 0.73 |
| | Osaka Pref. | 7 | Osaka Bay (Sea bass) | 1.1 | 1.2 | 1.4 | 0.73 |
| | | 8 | Offshore of Himeji (Sea bass) | nd | 1.0 | nd | 0.71 |
| Hyogo Pref. | 8 | Offshore of Himeji (Sea bass) | nd | 1.0 | nd | 0.71 | |
| | 9 | Offshore of Mizushima (Striped mullet) | 7.5 | 1.1 | 2.7 | 1.9 | |
| Okayama Pref. | 9 | Offshore of Mizushima (Striped mullet) | 7.5 | 1.1 | 2.7 | 1.9 | |
| | 10 | Tokuyama Bay (Striped mullet) | *0.72 | nd | nd | 0.73 | |
| Yamaguchi Pref. | 10 | Tokuyama Bay (Striped mullet) | *0.72 | nd | nd | 0.73 | |
| | 11 | Takamatsu Port (Striped mullet) | 3.4 | 2.8 | 5.4 | 0.72 | |
| Kagawa Pref. | 11 | Takamatsu Port (Striped mullet) | 3.4 | 2.8 | 5.4 | 0.72 | |
| | 12 | Mouth of Riv. Oita (Oita City) (Sea bass) | nd | nd | nd | 0.78 | |

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

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

(Note 2) Missing value means no measured value or excluded value from the subject of aggregation by unifying the lower detection limit.

(Note 3) nd : Not detected

(Note 4) * : Reference value (less than unified detection limit). It was treated as nd in the aggregation.