| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| , and the second | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-1] poly(oxyethylene) nonyl ether (The polymerisation degree of the oxyethylenes: 1-15)   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | **12            |
| polymerisation degree of the oxyethylenes: 1-13)   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | **12            |
|  |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | **12            |
| Detection Frequency (site) :1/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | **12            |
| Detection Frequency (sample) :1/25(Missing value :0)   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | **12            |
| Detection range :nd ~ 58   |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | **12            |
| Detection limit range :12~23   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | **12            |
| Detection limit :23  |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | **12            |
| Requested Detection limit : -  | Yokohama City   | 10 | Yokohama Port   | nd             | **12            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | **12            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | **23            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | **12            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | **12            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | **12            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 58             | **12            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | **12            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | **12            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | **12            |
|  |                 | 20 | Osaka Port  | nd             | **12            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | **12            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | **12            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | **12            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | **12            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | **12            |
| (reference value)[1-1-1] mono (oxyethylene) nonyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :0/25(Missing value :0)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :0/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~5.2  |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :5.2   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -  |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 5.2             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|  |                 | 20 | Osaka Port  | nd             | 0.94            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |
|  | ,               |    | 5 5, 4,(,   |                |                 |

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: Estimated value based on industrial products.

(Note 5) \*\* : indicates the sum value of the Detection limits of each degree of polymerization.

 $(Note\ 6)\ the\ sum\ value\ of\ the\ Detection\ limits\ of\ each\ degree\ of\ polymerization (C1\sim C15)\ by\ assuming\ nd\ to\ be\ no\ value.$ 

| Target chemicals                                       | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| (f   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-1-2] di (oxyethylene) nonyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)     |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)     | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 4.4                              | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :1.2~ 2.2                        |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :2.2                                   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                          |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 2.2             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.4            | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|  |                 | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| (reference value)[1-1-3] tri (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)     |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection Frequency (site) :0/25(Missing value :0)     | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection Frequency (sample) :0/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection range :nd                                    | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Detection limit range :0.49~ 0.84                      |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Detection limit :0.84                                  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Requested Detection limit : -                          |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.84            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.84            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.84            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.49            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.84            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.84            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.84            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.84            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
|  |                 | 20 | Osaka Port  | nd             | 0.84            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.84            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.84            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.84            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.84            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.84            |
|  | , azaki i ici.  | 23 |   | .iu            | 5.0-T           |

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           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
|  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-1-4] tetra (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.73            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.73            |
| Detection Frequency (site) :0/25(Missing value :0)       | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.73            |
| Detection Frequency (sample) :0/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd                                      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                        |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.73            |
| Detection limit :1.3                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.73            |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.73            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.73            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.73            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.73            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.73            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.73            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.73            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.73            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.73            |
|  |                 | 20 | Osaka Port  | nd             | 0.73            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.73            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.73            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.73            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.73            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.73            |
| (reference value)[1-1-5] penta (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.76            |
|  | Horkardo        | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.76            |
| •  | Akita Pref.     | 4  |   | nd             | 0.76            |
| Detection Frequency (site):0/25(Missing value:0)         |                 |    | Akita Canal(Akita City)                                       |                |                 |
| Detection Frequency (sample) :0/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd                                      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             |                 |
| Detection limit range :0.76~1.7                          |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.76            |
| Detection limit :1.7                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.76            |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.76            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.76            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.76            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.76            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.76            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.76            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *1.5           | 0.76            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.76            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.76            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.76            |
|  |                 | 20 | Osaka Port  | nd             | 0.76            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.76            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.76            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.76            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.76            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.76            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| , , , , , , , , , , , , , , , , , , ,                    | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-1-6] hexa (oxyethylene) nonyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.53            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.53            |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.53            |
| Detection Frequency (site) :1/25(Missing value :0)       | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.53            |
| Detection Frequency (sample) :1/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.53            |
| Detection range :nd ~ 2.3                                | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.53            |
| Detection limit range :0.53 ~ 1.4                        |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.53            |
| Detection limit :1.4                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.53            |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.53            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.53            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.53            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.4             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.53            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.53            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.53            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2.3            | 0.53            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.53            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.53            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.53            |
|  |                 | 20 | Osaka Port  | nd             | 0.53            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.53            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.53            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.53            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.53            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.53            |
| (reference value)[1-1-7] hepta (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.59            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.59            |
| Detection Frequency (site) :1/25(Missing value :0)       | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.59            |
| Detection Frequency (sample) :1/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.59            |
| Detection range :nd ~ 3.8                                | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.59            |
| Detection limit range :0.59~ 1.6                         |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.59            |
| Detection limit :1.6                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.59            |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.59            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.59            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.59            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.59            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.59            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.59            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 3.8            | 0.59            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.59            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.59            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.59            |
|  |                 | 20 | Osaka Port  | nd             | 0.59            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.59            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.59            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.59            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.59            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.59            |
|  | , azaki i ici.  | 23 |   | .iu            | 0.57            |

(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

| Taxant abamicala  | Local           | Ma | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | wiointored sites  | Sample1        | Detection limit |
| (reference value)[1-1-8] octa (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.39            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.39            |
| Detailed Environmental Survey/surface water (ng/L)      |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.39            |
| Detection Frequency (site) :1/25(Missing value :0)      | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | *0.41          | 0.39            |
| Detection Frequency (sample) :1/25(Missing value :0)    | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.39            |
| Detection range :nd ~ 5.9                               | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.39            |
| Detection limit range :0.39~ 1.6                        |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.39            |
| Detection limit :1.6                                    | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.39            |
| Requested Detection limit : -                           |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.39            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.39            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.39            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.39            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.39            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.39            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 5.9            | 0.39            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | *0.49          | 0.39            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.39            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.39            |
|   |                 | 20 | Osaka Port  | nd             | 0.39            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.39            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.39            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.39            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.39            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.39            |
| (reference value)[1-1-9] nona (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.60            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.60            |
| Detailed Environmental Survey/surface water (ng/L)      |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.60            |
| Detection Frequency (site) :1/25(Missing value :0)      | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.60            |
| Detection Frequency (sample) :1/25(Missing value :0)    | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection range :nd ~ 5.7                               | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.60            |
| Detection limit range :0.60~ 0.95                       |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.60            |
| Detection limit :0.95                                   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.60            |
| Requested Detection limit : -                           |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.60            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.60            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.60            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.60            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.60            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 5.7            | 0.60            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.60            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.60            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.60            |
|   |                 | 20 | Osaka Port  | nd             | 0.60            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.60            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.60            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.60            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.60            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.60            |

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

(1706 2) Missing value means no measured value of excluded value from the subject of the

(Note 3) nd : Not detected

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| , and the second | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-1-10] deca (oxyethylene) nonyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.82            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.82            |
| Detection Frequency (site) :1/25(Missing value :0)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.82            |
| Detection Frequency (sample) :1/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd ~ 6.7  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.82            |
| Detection limit range :0.82~1.1  |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.82            |
| Detection limit :1.1   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -  |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.82            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.82            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.82            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.82            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.82            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 6.7            | 0.82            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.82            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.82            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.82            |
|  |                 | 20 | Osaka Port  | nd             | 0.82            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.82            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.82            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.82            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.82            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.82            |
| (reference value)[1-1-11] undeca (oxyethylene) nonyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :1/25(Missing value :0)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :1/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 4.6  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 1.3   |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :1.3   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -  |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.6            | 0.94            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|  |                 | 20 | Osaka Port  | nd             | 0.94            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |
|  |                 |    |   | I              |                 |

(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

|   | Local           |    |   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-1-12] dodeca (oxyethylene) nonyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.0             |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.0             |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd ~ 5.0                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.0             |
| Detection limit range :1.0~ 1.2                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 1.0             |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.0             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.0             |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 5.0            | 1.0             |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.0             |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|   |                 | 20 | Osaka Port  | nd             | 1.0             |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.0             |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.0             |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.0             |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.0             |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.0             |
| (reference value)[1-1-13] trideca (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.81            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd ~ 3.8                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65 ~ 0.81                          |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81                                       | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.81            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.65            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.81            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 3.8            | 0.81            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.81            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|   |                 | 20 | Osaka Port  | nd             | 0.81            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.81            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.81            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.81            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.81            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.81            |

(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

|   | Local           |    |   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-1-14] tetradeca (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.93            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.93            |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.93            |
| Detection Frequency (sample) :1/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd ~ 4.1                                     | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.93            |
| Detection limit range :0.93 ~ 1.1                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.93            |
| Detection limit :1.1  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.93            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.93            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.93            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.93            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.93            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.1            | 0.93            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.93            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.93            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.93            |
|   | ,               | 20 | Osaka Port  | nd             | 0.93            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.93            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.93            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.93            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.93            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.93            |
| (reference value)[1-1-15] pentadeca (oxyethylene) nonyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 10                                      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :0.81~1.2                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 10             | 1.2             |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|   |                 | 20 | Osaka Port  | nd             | 1.2             |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |

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

|   | Local           |    |   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-2] poly(oxyethylene) decyl ether (The | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | **12            |
| polymerisation degree of the oxyethylenes: 1-15)          |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | **12            |
|   |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)        | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | **12            |
| Detection Frequency (site) :2/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | **12            |
| Detection Frequency (sample) :2/25(Missing value :0)      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | **12            |
| Detection range :nd ~ 98                                  |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | **12            |
| Detection limit range :12~23                              | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | **12            |
| Detection limit :23                                       |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | **12            |
| Requested Detection limit : -                             | Yokohama City   | 10 | Yokohama Port   | nd             | **12            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | **12            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | **23            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | **12            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 59             | **12            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | **12            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 98             | **12            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | **12            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | **12            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | **12            |
|   |                 | 20 | Osaka Port  | nd             | **12            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | **12            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | **12            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | **12            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | **12            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | **12            |
| (reference value)[1-2-1] mono (oxyethylene) decyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)        |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :0/25(Missing value :0)        | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :0/25(Missing value :0)      | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd                                       | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 5.2                          |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :5.2                                      | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                             |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 5.2             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|   |                 | 20 | Osaka Port  | nd             | 0.94            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \* : reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

(Note 6) \*\*: indicates the sum value of the Detection limits of each degree of polymerization.

| Target chemicals                                       | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| (f.,,, l., .)[1, 2, 2]     (,,,,)                      | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-2-2] di (oxyethylene) decyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)     |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)     | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 8.1                              | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :1.2~ 2.2                        |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2                                   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                          |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | 8.1            | 2.2             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|  |                 | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| (reference value)[1-2-3] tri (oxyethylene) decyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)     |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection Frequency (site) :3/25(Missing value :0)     | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection Frequency (sample) :3/25(Missing value :0)   | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection range :nd ~ 1.3                              | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Detection limit range :0.49~ 0.84                      |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Detection limit :0.84                                  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Requested Detection limit : -                          |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.84            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.84            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.84            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | 0.99           | 0.49            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.84            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.3            | 0.84            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1.0            | 0.84            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.84            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
|  |                 | 20 | Osaka Port  | nd             | 0.84            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.84            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.84            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.84            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.84            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.84            |
|  | , azaki i ici.  | 23 |   | .iu            | 5.0·F           |

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            | No | Monitored sites   | Measured value | Reported        |
|--|------------------|----|---|----------------|-----------------|
|  | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-2-4] tetra (oxyethylene) decyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.73            |
|  |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)       |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.73            |
| Detection Frequency (site) :2/25(Missing value :0)       | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.73            |
| Detection Frequency (sample) :2/25(Missing value :0)     | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd ~ 3.0                                | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                        |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.73            |
| Detection limit :1.3                                     | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.73            |
| Requested Detection limit : -                            |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.73            |
|  | Yokohama City    | 10 | Yokohama Port   | nd             | 0.73            |
|  |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.73            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|  | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.73            |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.0            | 0.73            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1.7            | 0.73            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.73            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.73            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.73            |
|  |                  | 20 | Osaka Port  | nd             | 0.73            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.73            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.73            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.73            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.73            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.73            |
| (reference value)[1-2-5] penta (oxyethylene) decyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.76            |
|  |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)       |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.76            |
| Detection Frequency (site) :2/25(Missing value :0)       | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.76            |
| Detection Frequency (sample) :2/25(Missing value :0)     | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd ~ 4.6                                | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.76            |
| Detection limit range :0.76~ 1.7                         |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.76            |
| Detection limit :1.7                                     | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.76            |
| Requested Detection limit : -                            |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.76            |
|  | Yokohama City    | 10 | Yokohama Port   | nd             | 0.76            |
|  |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.76            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|  | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.76            |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.6            | 0.76            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.76            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2.7            | 0.76            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.76            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.76            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.76            |
|  |                  | 20 | Osaka Port  | nd             | 0.76            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.76            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.76            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.76            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.76            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.76            |
|  | iviiyazaki fici. | 23 | 1011gaka00-0asin Diluge, Kiv. 1sujinodou(Kobayasin City)      | ш              | 0.70            |

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

| Freference values  1-2-6  hexa (swyethylene) deeyl ether   | Detection limit  0.53  0.53  0.53  0.53  0.53  0.53  0.53  0.53  0.53  0.53  0.53  1.4  0.53  0.53  0.53 |
|--|--|
| Detailed Environmental Survey/surface water (ng/L)   | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53              |
| Detailed Environmental Survey/surface water (ng L)   Akia Pref.   Akia City  | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53                      |
| Detection Frequency (sine) 2.25(Missing value :0)   Detection Frequency (sample) 2.25(Missing value :0)   Detection Frequency (sample) 2.25(Missing value :0)   Detection Imint 1:4   Satisma Pref.   5   Satisma Pref.   6   Shiki-ohasi Bridge, Riv. Tone(Kamisu City)   nd  | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53                              |
| Detection Frequency (sample) 2/25(Missing value :0)   Detection large and -3.7   Saitama Pref.   6   Shiki-chasla Bridge, Riv. Yanase(Shiki City)   n.d.   | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53                                      |
| Detection Imit range: 0.53 - 1.4   Detection limit range: 0.53 - 1.4   Tokyo Met.  | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53  |
| Detection limit range 0.53 - 1.4   | 0.53<br>0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53  |
| Detection limit : 1.4  | 0.53<br>0.53<br>0.53<br>0.53<br>1.4<br>0.53  |
| Page      | 0.53<br>0.53<br>0.53<br>1.4<br>0.53  |
| Yokohama City  | 0.53<br>0.53<br>1.4<br>0.53  |
| 11   Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   nd  | 0.53<br>1.4<br>0.53  |
| Nigata Pref.   12   Lower Riv. Shinano(Nigata City)   nd   | 1.4<br>0.53  |
| Nagano Pref.   13  | 0.53   |
| Shizuoka Pref.   14   Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)   3.5     Aichi Pref.   15   Nagoya Port , West of Shiomi Wharf   nd     Nagoya City   16   Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   3.7     Mie Pref.   17   Yokkaichi Port   *0.56     Kyoto City   18   Miyama-bashi Bridge, Riv. Katsura(Kyoto City)   nd     Osaka City   19   Kema-bashi Bridge, Riv. Chi-kawa (Osaka City)   nd     Osaka Port   nd     Osaka Port   nd     Okayama Pref.   22   Offshore of Mizushima   nd     Yamaguchi Pref.   23   Offshore of Mizushima   nd     Yamaguchi Pref.   24   Hakata Bay   nd     Miyazaki Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   nd     Otailed Environmental Survey/surface water (ng/L)   Detection Frequency (site) :2/25(Missing value :0)   Detection Frequency (site) :2/25(Missing value :0)   Detection Imit range :0.59 = 1.6     Detection limit range :0.59 = 1.6   Tokyo Met.   Wohama City   Tokyo Metana Port   Nokohama   |  |
| Aichi Pref.   15   Nagoya Port , West of Shiomi Wharf   nd   | 0.53   |
| Nagoya City  |  |
| Mie Pref.   17   Yokkaichi Port   *0.56  | 0.53   |
| Kyoto City   18   Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)   nd   | 0.53   |
| Osaka City    19   Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)   nd   | 0.53   |
| 20   | 0.53   |
| Kobe City   21 Kobe Port(center)   nd  | 0.53   |
| Okayama Pref. 22 Offshore of Mizushima nd  Yamaguchi Pref. 23 Offshore of Hagi  Fukuoka City 24 Hakata Bay nd  Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-7] hepta (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site) :2/25(Missing value :0)  Detection Frequency (sample) :2/25(Missing value :0)  Detection requency (sample) :2/25(Missing value :0)  Detection limit range :0.59~1.6  Detection limit range :0.59~1.6  Detection limit :1.6  Requested Detection limit :-  Offshore of Mizushima nd  Ada   Hakata Bay  nd  1 Ishikarikakokyo Bridge, Riv. Tsujinodou(Kobayashi City) nd  2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd  3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  4 Akita Canal(Akita City)  *0.68  Detection limit range :0.59~1.6  Saitama Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City) nd  Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward) nd  Yokohama City 10 Yokohama Port nd   | 0.53   |
| Yamaguchi Pref. 23 Offshore of Hagi nd Prukuoka City 24 Hakata Bay nd nd Prukuoka City 24 Hakata Bay nd nd Prukuoka City 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd nd Practical Environmental Survey/surface water (ng/L) 25 Torigakubo-bashi Bridge, Riv. Tshiikari(Ishikari City) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd 2 Suzuran-ohashi Bridge, Riv. Teshio(Bifuka Town) nd 2 Suzuran-ohashi Bridge, Riv. Teshio(Bifuka Town) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd 5 Saitama Pref. 4 Akita Canal(Akita City) *0.68  Suzuran-ohashi Bridge, Riv. Teshio(Bifuka Town) nd 5 Saitama Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City) nd 5 Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd 5 Saitama Pref. 7 Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town) nd 5 Saitama Pref. 8 Mouth of Riv. Arakawa(Koto Ward) nd 7 Mouth of Riv. Sumida(Minato Ward) nd 7 Yokohama City 10 Yokohama Port nd 10  | 0.53   |
| Fukuoka City 24 Hakata Bay nd Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-7] hepta (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  Detailed Environmental Survey/surface water (ng/L) 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd  Detection Frequency (site): 2/25(Missing value: 0) Akita Pref. 4 Akita Canal(Akita City) *0.68  Detection Frequency (sample): 2/25(Missing value: 0) Ibaraki Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City) nd  Detection limit range: 0.59~1.6 Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd  Detection limit 1.6 Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward) nd  Requested Detection limit: - Yokohama City 10 Yokohama Port nd   | 0.53   |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-7] hepta (oxyethylene) decyl ether  Hokkaido  I Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd  Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site): 2/25(Missing value: 0)  Detection Frequency (sample): 2/25(Missing value: 0)  Detection range: nd ~ 6.2  Detection limit range: 0.59~1.6  Detection limit 1.6  Requested Detection limit: -  Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)  nd  1 Ishikarikakokyo Bridge, Mouth of Riv. Tokachi(Obihiro City)  nd  Akita Pref. 4 Akita Canal(Akita City)  *0.68  *0.68  Saitama Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  nd  Detection limit range: 0.59~1.6  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward)  nd  Tokyo Met. 9 Mouth of Riv. Arakawa(Koto Ward)  nd  Yokohama City 10 Yokohama Port nd   | 0.53   |
| (reference value)[1-2-7] hepta (oxyethylene) decyl ether    Hokkaido   1   Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)   nd  | 0.53   |
| Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site): 2/25(Missing value: 0)  Detection Frequency (sample): 2/25(Missing value: 0)  Detection Frequency (sample): 2/25(Missing value: 0)  Detection Imit range: 0.59~1.6  Detection limit: 1.6  Requested Detection limit: -  Detection limit: 1.6  Requested Detection limit: -  Detection limit: - | 0.53   |
| Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site): 2/25(Missing value: 0)  Detection Frequency (sample): 2/25(Missing value: 0)  Detection Frequency (sample): 2/25(Missing value: 0)  Detection range: nd ~ 6.2  Detection limit range: 0.59~1.6  Detection limit: 1.6  Requested Detection limit: -  De | 0.59   |
| Detection Frequency (site): 2/25(Missing value:0)  Detection Frequency (sample): 2/25(Missing value:0)  Detection Frequency (sample): 2/25(Missing value:0)  Detection range: nd ~ 6.2  Detection limit range: 0.59~1.6  Detection limit: 1.6  Requested Detection limit: -  Akita Pref. 4 Akita Canal(Akita City)  *0.68  *0.68  Saitama Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  nd  7 Kachi-hashi Bridge, Riv. Yanase(Shiki City)  nd  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward)  nd  Yokohama City  Yokohama Port  10 Yokohama Port  nd   | 0.59   |
| Detection Frequency (sample) :2/25(Missing value :0)  Detection range :nd ~ 6.2  Detection limit range :0.59~1.6  Detection limit :1.6  Requested Detection limit :-   | 0.59   |
| Detection range :nd ~ 6.2  Detection limit range :0.59~ 1.6  Detection limit :1.6  Requested Detection limit :-  Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City)  7 Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)  nd  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward)  9 Mouth of Riv. Sumida(Minato Ward)  nd  Yokohama City 10 Yokohama Port  nd  | 0.59   |
| Detection limit range :0.59~1.6  Detection limit :1.6  Requested Detection limit :-  Tokyo Met.  Tokyo Met.  8 Mouth of Riv. Arakawa(Koto Ward)  9 Mouth of Riv. Sumida(Minato Ward)  Tokyo Met.  10 Yokohama Port  nd   | 0.59   |
| Detection limit : 1.6  Requested Detection limit : -  Tokyo Met.  8 Mouth of Riv. Arakawa(Koto Ward)  9 Mouth of Riv. Sumida(Minato Ward)  rd  rd  rd  rd  rd  rd  rd  rd  rd  | 0.59   |
| Requested Detection limit : - 9 Mouth of Riv. Sumida(Minato Ward) nd Yokohama City 10 Yokohama Port nd   | 0.59   |
| Yokohama City 10 Yokohama Port nd  | 0.59   |
|  | 0.59   |
|  | 0.59   |
| 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.59   |
| Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd   | 1.6  |
| Nagano Pref. 13 Lake Suwa(center) nd   | 0.59   |
| Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) 5.3   | 0.59   |
| Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd   | 0.59   |
| Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 6.2   | 0.59   |
| Mie Pref. 17 Yokkaichi Port *0.63  | 0.59   |
| Kyoto City 18 Miyamae-bashi Bridge,Riv. Katsura(Kyoto City) nd   | 0.59   |
| Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  | 0.59   |
| 20 Osaka Port nd   | 0.59   |
| Kobe City 21 Kobe Port(center) nd  |  |
| Okayama Pref. 22 Offshore of Mizushima nd  | 0.59   |
| Yamaguchi Pref. 23 Offshore of Hagi nd   |  |
| Fukuoka City 24 Hakata Bay nd  | 0.59   |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  |  |

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: Estimated value based on industrial products.

(Note 5) \* : reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals   | Local           | No  | Monitored sites   | Measured value | Reported        |
|--|-----------------|-----|---|----------------|-----------------|
| , and the second | communities     | 110 | Monitored Sites   | Sample1        | Detection limit |
| (reference value)[1-2-8] octa (oxyethylene) decyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.39            |
|  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.39            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.39            |
| Detection Frequency (site) :2/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | *1.0           | 0.39            |
| Detection Frequency (sample) :2/25(Missing value :0)   | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.39            |
| Detection range :nd ~ 10   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.39            |
| Detection limit range :0.39~ 1.6   |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.39            |
| Detection limit :1.6   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.39            |
| Requested Detection limit : -  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | *0.58          | 0.39            |
|  | Yokohama City   | 10  | Yokohama Port   | *0.42          | 0.39            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.39            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.39            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 7.8            | 0.39            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.39            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 10             | 0.39            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | *0.90          | 0.39            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.39            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.39            |
|  |                 | 20  | Osaka Port  | *0.43          | 0.39            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.39            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.39            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.39            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.39            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | *0.43          | 0.39            |
| (reference value)[1-2-9] nona (oxyethylene) decyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.60            |
|  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.60            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.60            |
| Detection Frequency (site) :2/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | *0.77          | 0.60            |
| Detection Frequency (sample) :2/25(Missing value :0)   | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection range :nd ~ 8.2  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.60            |
| Detection limit range :0.60~ 0.95  |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.60            |
| Detection limit :0.95  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.60            |
| Requested Detection limit : -  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.60            |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 0.60            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.60            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.60            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 5.6            | 0.60            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 8.2            | 0.60            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | *0.65          | 0.60            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.60            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.60            |
|  |                 | 20  | Osaka Port  | nd             | 0.60            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.60            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.60            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.60            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.60            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.60            |
|  | ,               |     | 5 6, 3,   |                |                 |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals   | Detection limit  0.82 |
|--|---|
| Detailed Environmental Survey/surface water (ng/L)   2   3   3   0   0   0   3   0   0   0   0   | 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82   |
| Detection Frequency (site) :2/25(Missing value :0)   Detection Frequency (sample) :2/25(Missing value :0)   Detection Frequency (sample) :2/25(Missing value :0)   Detection Irrequency (sample) :2/   | 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82   |
| Detection Frequency (site) :2/25(Missing value :0)   Detection Frequency (sample) :2/25(Missing value :0)   Detection Frequency (sample) :2/25(Missing value :0)   Detection frequency (sample) :2/25(Missing value :0)   Saitama Pref.   5   Tonckamome-ohas Bridge, Mouth of Riv. Tone(Kamisu City)   nd   | 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82   |
| Detection Frequency (sample):225(Missing value :0)  Detection Irinit range :0.82~1.1  Detection limit :1.1  Requested Detection limit :-  Tokyo Met.  Nigata Pref.  Nigata Pref.  Nagano Pref.  Nagano Pref.  Nagoya City  Nigata Pref.  Nagoya City  Nigata Pref.  Nagoya City  Nigata Pref.  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Mine Pref.  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  Nigata Pref.  Nagoya Port, West of Shiomi Wharf  Nagoya City  New-bashi Bridge, Riv. Hori (Nagoya City)  Rema-bashi Bridge, Riv. Katsura(Kyoto City)  nd  Nagoya City  New-bashi Bridge, Riv. Oh-kawa (Osaka City)  nd  Nagowa Port  Noska City  New-bashi Bridge, Riv. Oh-kawa (Osaka City)  nd  Nagowa Port  Nagowa Port  Nagowa Port  Nagoya Port  Nagoya Port  Nagoya Port  Nagoya Port  Nagowa Port  Nagowa Port  Nagowa Port  Nagoya Port  Nagowa Port  Nagowa Port, West of Shiomi Wharf  Nagoya Port  Nagowa Port  Nagowa Port  Nagowa Port  Nagowa Port, West of Shiomi Wharf  Nagoya Port  Nagowa Port  Nagowa Port  Nagowa Port, West of Shiomi Wharf  Nagoya Port  Nagowa Port  Nagowa Port, West of Shiomi Wharf  Nagowa City  Nagowa Port  Nagowa Port, West of Shiomi Wharf  Nagowa Port  Nagowa Port, Wes | 0.82 0.82 0.82 0.82 0.82 0.82 0.82 1.1 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82  |
| Detection range :nd = 8.7   Detection limit range :0.82 - 1.1   Tokyo Met.   Saitama Pref.   6   Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   nd  | 0.82 0.82 0.82 0.82 0.82 1.1 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82  |
| Detection limit range :0.82~1.1  | 0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| Detection limit : 1.1  Requested Detection limit : -  Pokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward) nd  Mouth of Riv. Sumida(Minato Ward) nd  Pyokohama City 10 Yokohama Port nd  Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd  Niigata Pref. 13 Lake Suwa(center) nd  Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Hor(Hamamatsu City) 5.0  Aichi Pref. 15 Nagoya Port, West of Shinomi Wharf nd  Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 8.7  Mie Pref. 17 Yokkaichi Port nd  Kyoto City 18 Miyamae-bashi Bridge, Riv. Katsura(Kyoto City) nd  Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  Osaka City 21 Kobe Port(center) nd  Kobe City 21 Kobe Port(center) nd  Yamaguchi Pref. 23 Offshore of Mizushima nd  Yamaguchi Pref. 25 Torigakubo-bashi Bridge, Riv. Ishikari(Ishikari City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tokachi(Obihiro City) nd  Detailed Environmental Survey/surface water (ng/L)   | 0.82<br>0.82<br>0.82<br>0.82<br>1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| Requested Detection limit: -   9   Mouth of Riv. Sumida(Minato Ward)   nd     Yokohama City   10   Yokohama Port   nd     11   Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   nd     Niigata Pref.   12   Lower Riv. Shinano(Niigata City)   nd     Nagano Pref.   13   Lake Suwa(center)   nd     Shizuoka Pref.   14   Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)   5.0     Aichi Pref.   15   Nagoya Port , West of Shiomi Wharf   nd     Nagoya City   16   Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   8.7     Mie Pref.   17   Yokkaichi Port   nd     Kyoto City   18   Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)   nd     Osaka City   19   Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)   nd     Cosaka Coty   21   Kobe Port(center)   nd     Okayama Pref.   22   Offshore of Mizushima   nd     Yamaguchi Pref.   23   Offshore of Mizushima   nd     Yamaguchi Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   nd     (reference value)[1-2-11] undeca (oxyethylene) decyl ether   Hokkaido   1   Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)   nd     Detailed Environmental Survey/surface water (ng/L)   3   Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   nd  | 0.82<br>0.82<br>1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| Yokohama City  10 Yokohama Port  11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  12 Lower Riv. Shinano(Niigata City)  13 Lake Suwa(center)  14 Shizuoka Pref.  15 Nagoya Port , West of Shiomi Wharf  16 Nagoya City  17 Yokohama Pref.  18 Shizuoka Pref.  19 Nagoya Port , West of Shiomi Wharf  10 Nagoya City  11 Minatoshinbashi Bridge, Riv. Hori (Nagoya City)  11 Nagoya City  12 Nagoya Port , West of Shiomi Wharf  13 Nagoya City  14 Nagoya City  15 Nagoya Port , West of Shiomi Wharf  17 Yokkaichi Port  18 Nijamae-bashi Bridge, Riv. Hori (Nagoya City)  19 Kema-bashi Bridge, Riv. Katsura(Kyoto City)  10 Noaka City  11 Nagoya Pref.  12 Noaka City  12 Noaka Port  13 Nagoya Pref.  14 Shinkawa-bashi Bridge, Riv. Nagoya City  15 Nagoya Port , West of Shiomi Wharf  16 Nagoya City  17 Yokkaichi Port  18 Nijamae-bashi Bridge, Riv. Hori (Nagoya City)  19 Kema-bashi Bridge, Riv. Natsura(Kyoto City)  10 Nagoya Pref.  20 Naka Port  21 Noaka Port  22 Noshore of Mizushima  23 Nofishore of Mizushima  24 Hakata Bay  25 Norigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)  26 Nagoya Pref.  27 Norigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)  28 Nagoya Pref.  29 Suzuran-ohashi Bridge, Riv. Tsujinodou(Kobayashi City)  20 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  28 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  29 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  20 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  20 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  21 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  22 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  23 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  24 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  25 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  26 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  27 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  28 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  28 Nonenai-ohashi Bridge, Riv. Tokachi(Obihiro City)        | 0.82<br>0.82<br>1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| 11   Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   nd     Niigata Pref.   12   Lower Riv. Shinano(Niigata City)   nd     Nagano Pref.   13   Lake Suwa(center)   nd     Shizuoka Pref.   14   Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)   5.0     Aichi Pref.   15   Nagoya Port , West of Shiomi Wharf   nd     Nagoya City   16   Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   8.7     Mie Pref.   17   Yokkaichi Port   nd     Kyoto City   18   Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)   nd     Osaka City   19   Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)   nd     Cosaka City   21   Kobe Port(center)   nd     Kobe City   22   Kobe Port(center)   nd     Okayama Pref.   22   Offshore of Mizushima   nd     Yamaguchi Pref.   23   Offshore of Hagi   nd     Fukuoka City   24   Hakata Bay   nd     Miyazaki Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   nd     (reference value)[1-2-11] undeca (oxyethylene) decyl ether   Hokkaido   1   Ishikarikakokyo Bridge, Mouth of Riv. Ishikari (Ishikari City)   nd     Detailed Environmental Survey/surface water (ng/L)   3   Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   nd   | 0.82<br>1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd Nagano Pref. 13 Lake Suwa(center) nd Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) 5.0 Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 8.7 Mie Pref. 17 Yokkaichi Port nd Kyoto City 18 Miyamae-bashi Bridge, Riv. Katsura(Kyoto City) nd Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd Kobe City 21 Kobe Port(center) nd Kobe City 21 Kobe Port(center) nd Okayama Pref. 22 Offshore of Mizushima nd Yamaguchi Pref. 23 Offshore of Hagi nd Fukuoka City 24 Hakata Bay nd Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Riv. Tsujinodou(Kobayashi City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  | 1.1<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82   |
| Nagano Pref.   13  | 0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82  |
| Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) 5.0  Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd  Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 8.7  Mie Pref. 17 Yokkaichi Port nd  Kyoto City 18 Miyamae-bashi Bridge, Riv. Katsura(Kyoto City) nd  Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  Kobe City 21 Kobe Port(center) nd  Kobe City 21 Kobe Port(center) nd  Okayama Pref. 22 Offshore of Mizushima nd  Yamaguchi Pref. 23 Offshore of Hagi nd  Fukuoka City 24 Hakata Bay nd  Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Riv. Tsujinodou(Kobayashi City) nd  Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd   | 0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82  |
| Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 8.7  Mie Pref. 17 Yokkaichi Port nd Kyoto City 18 Miyamae-bashi Bridge, Riv. Katsura(Kyoto City) nd Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd Kobe City 21 Kobe Port(center) nd Kobe City 21 Kobe Port(center) nd Okayama Pref. 22 Offshore of Mizushima nd Yamaguchi Pref. 23 Offshore of Hagi nd Fukuoka City 24 Hakata Bay nd Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  | 0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82  |
| Nagoya City  Nagoya City  Mie Pref.  17 Yokkaichi Port  Miyamae-bashi Bridge, Riv. Hori (Nagoya City)  8.7  Mie Pref.  Kyoto City  18 Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)  nd  Osaka City  19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  nd  Kobe City  20 Osaka Port  Robe Port(center)  Okayama Pref.  Yamaguchi Pref.  22 Offshore of Mizushima  nd  Yamaguchi Pref.  23 Offshore of Hagi  Fukuoka City  4 Hakata Bay  nd  Miyazaki Pref.  25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)  nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether  Hokkaido  Detailed Environmental Survey/surface water (ng/L)  Nimatoshinbashi Bridge, Riv. Hori (Nagoya City)  8.7  Nagoya City  Nimatoshinbashi Bridge, Riv. Hori (Nagoya City)  nd  Skatsura(Kyoto City)  nd  Osaka City  19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  nd  Nagoya City  Nimatoshinbashi Bridge, Riv. Tsujinodou(Kobayashi City)  nd  Ishikarikakokyo Bridge, Riv. Tsujinodou(Kobayashi City)  nd  Onnenai-ohashi Bridge, Riv. Tokachi(Obihiro City)  nd  Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)  | 0.82<br>0.82<br>0.82<br>0.82<br>0.82<br>0.82  |
| Mie Pref. 17 Yokkaichi Port nd  Kyoto City 18 Miyamae-bashi Bridge,Riv. Katsura(Kyoto City) nd  Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  Cosaka Port nd  Kobe City 21 Kobe Port(center) nd  Okayama Pref. 22 Offshore of Mizushima nd  Yamaguchi Pref. 23 Offshore of Hagi nd  Fukuoka City 24 Hakata Bay nd  Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd   | 0.82<br>0.82<br>0.82<br>0.82<br>0.82  |
| Kyoto City   18   Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)   nd   | 0.82<br>0.82<br>0.82<br>0.82  |
| Osaka City  19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  20 Osaka Port  Robe City  21 Kobe Port(center)  Okayama Pref.  22 Offshore of Mizushima  Nd  Pramaguchi Pref.  23 Offshore of Hagi  Fukuoka City  24 Hakata Bay  Nd  Miyazaki Pref.  25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)  Nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether  Hokkaido  Detailed Environmental Survey/surface water (ng/L)  1 Shikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)  2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)  Nd  Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)  Nd  | 0.82<br>0.82<br>0.82  |
| 20   | 0.82<br>0.82  |
| Kobe City   21   Kobe Port(center)   nd  | 0.82  |
| Okayama Pref. 22 Offshore of Mizushima nd  Yamaguchi Pref. 23 Offshore of Hagi  Fukuoka City 24 Hakata Bay nd  Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  |   |
| Yamaguchi Pref. 23 Offshore of Hagi nd Fukuoka City 24 Hakata Bay nd Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  | 0.82  |
| Yamaguchi Pref. 23 Offshore of Hagi nd Fukuoka City 24 Hakata Bay nd Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  |   |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  (reference value)[1-2-11] undeca (oxyethylene) decyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd   | 0.82  |
| (reference value)[1-2-11] undeca (oxyethylene) decyl ether  Hokkaido  1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd  Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  | 0.82  |
| 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd  Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd  | 0.82  |
| 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd Detailed Environmental Survey/surface water (ng/L) 3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town) nd   | 0.94  |
|  | 0.94  |
|  | 0.94  |
| Detection Frequency (site): 2/25(Missing value:0)  Akita Pref. 4 Akita Canal(Akita City)  nd   | 0.94  |
| Detection Frequency (sample):2/25(Missing value:0)  Ibaraki Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  nd   | 0.94  |
| Detection range :nd ~ 7.6 Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd   | 0.94  |
| Detection limit range :0.94~1.3 7 Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town) nd   | 0.94  |
| Detection limit :1.3 Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward) nd  | 0.94  |
| Requested Detection limit: - 9 Mouth of Riv. Sumida(Minato Ward) nd  | 0.94  |
| Yokohama City 10 Yokohama Port nd  | 0.94  |
| 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.94  |
| Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd   | 1.3   |
| Nagano Pref. 13 Lake Suwa(center) nd   | 0.94  |
| Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) 4.7   | 0.94  |
| Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd   | 0.94  |
| Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 7.6   | 0.94  |
| Mie Pref. 17 Yokkaichi Port nd   | 0.94  |
| Kyoto City 18 Miyamae-bashi Bridge,Riv. Katsura(Kyoto City) nd   | 0.94  |
| Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  | 0.94  |
| 20 Osaka Port nd   | 0.94  |
| Kobe City 21 Kobe Port(center) nd  | 0.94  |
| Okayama Pref. 22 Offshore of Mizushima nd  | 0.94  |
| Yamaguchi Pref. 23 Offshore of Hagi nd   |   |
| Fukuoka City 24 Hakata Bay nd  | () 44   |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  | 0.94  |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals  | Local            | No | Monitored sites   | Measured value | Reported        |
|---|------------------|----|---|----------------|-----------------|
|   | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-2-12] dodeca (oxyethylene) decyl ether  | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.0             |
|   |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)          |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :2/25(Missing value :0)          | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 1.0             |
| Detection Frequency (sample) :2/25(Missing value :0)        | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd ~ 8.2                                   | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.0             |
| Detection limit range :1.0~ 1.2                             |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2  | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                               |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 1.0             |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 1.0             |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 5.1            | 1.0             |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 8.2            | 1.0             |
|   | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 1.0             |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|   |                  | 20 | Osaka Port  | nd             | 1.0             |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 1.0             |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 1.0             |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 1.0             |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 1.0             |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.0             |
| (reference value)[1-2-13] trideca (oxyethylene) decyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
|   |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)          |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :2/25(Missing value :0)          | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.81            |
| Detection Frequency (sample) :2/25(Missing value :0)        | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd ~ 7.5                                   | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65 ~ 0.81                          |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81                                       | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                               |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 0.81            |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.81            |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.8            | 0.81            |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 7.5            | 0.81            |
|   | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.81            |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|   |                  | 20 | Osaka Port  | nd             | 0.81            |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.81            |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.81            |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.81            |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.81            |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.81            |
|   | iviiyazaki ficl. | 23 | 1011garaco-oasiii Driuge, Riv. 15ujiilouou(Robayasiii City)   | ilu            | 0.01            |

(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                           | No       | Monitored sites   | Measured value | Reported        |
|---|---------------------------------|----------|---|----------------|-----------------|
| <u> </u>  | communities                     |          |   | Sample1        | Detection limit |
| (reference value)[1-2-14] tetradeca (oxyethylene) decyl ether | Hokkaido                        | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.93            |
|   |                                 | 2        | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)            |                                 | 3        | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.93            |
| Detection Frequency (site) :2/25(Missing value :0)            | Akita Pref.                     | 4        | Akita Canal(Akita City)                                       | nd             | 0.93            |
| Detection Frequency (sample) :2/25(Missing value :0)          | Ibaraki Pref.                   | 5        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd ~ 7.7                                     | Saitama Pref.                   | 6        | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.93            |
| Detection limit range :0.93 ~ 1.1                             |                                 | 7        | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.93            |
| Detection limit :1.1  | Tokyo Met.                      | 8        | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                                 |                                 | 9        | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.93            |
|   | Yokohama City                   | 10       | Yokohama Port   | nd             | 0.93            |
|   |                                 | 11       | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.93            |
|   | Niigata Pref.                   | 12       | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.                    | 13       | Lake Suwa(center)   | nd             | 0.93            |
|   | Shizuoka Pref.                  | 14       | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 2.8            | 0.93            |
|   | Aichi Pref.                     | 15       | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|   | Nagoya City                     | 16       | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 7.7            | 0.93            |
|   | Mie Pref.                       | 17       | Yokkaichi Port  | nd             | 0.93            |
|   | Kyoto City                      | 18       | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.93            |
|   | Osaka City                      | 19       | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.93            |
|   |                                 | 20       | Osaka Port  | nd             | 0.93            |
|   | Kobe City                       | 21       | Kobe Port(center)   | nd             | 0.93            |
|   | Okayama Pref.                   | 22       | Offshore of Mizushima   | nd             | 0.93            |
|   | Yamaguchi Pref.                 | 23       | Offshore of Hagi  | nd             | 0.93            |
|   | Fukuoka City                    | 24       | Hakata Bay  | nd             | 0.93            |
|   | Miyazaki Pref.                  | 25       | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.93            |
| (reference value)[1-2-15] pentadeca (oxyethylene) decyl ether | Hokkaido                        | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|   |                                 | 2        | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)            |                                 | 3        | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :2/25(Missing value :0)            | Akita Pref.                     | 4        | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :2/25(Missing value :0)          | Ibaraki Pref.                   | 5        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 24                                      | Saitama Pref.                   | 6        | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :0.81~1.2                               |                                 | 7        | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2  | Tokyo Met.                      | 8        | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                 |                                 | 9        | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|   | Yokohama City                   | 10       | Yokohama Port   | nd             | 1.2             |
|   |                                 | 11       | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|   | Niigata Pref.                   | 12       | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|   | Nagano Pref.                    | 13       | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.                  | 14       | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 6.9            | 1.2             |
|   | Aichi Pref.                     | 15       | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|   | Nagoya City                     | 16       | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 24             | 1.2             |
|   | Mie Pref.                       | 17       | Yokkaichi Port  | nd             | 1.2             |
|   | Kyoto City                      | 18       | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|   | Osaka City                      | 19       | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|   |                                 | 20       | Osaka Port  | nd             | 1.2             |
|   | Kobe City                       | 21       | Kobe Port(center)   | nd             | 1.2             |
|   | Okayama Pref.                   | 22       | Offshore of Mizushima   | nd             | 1.2             |
|   |                                 |          |   |                |                 |
|   | Yamaguchi Pref.                 | 23       | Offshore of Hagi  | nd             | 1.2             |
|   | Yamaguchi Pref.<br>Fukuoka City | 23<br>24 | Offshore of Hagi<br>Hakata Bay                                | nd<br>nd       | 1.2             |

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           | No  | Monitored sites   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
|   | communities     | 110 | Monitor Sites   | Sample1        | Detection limit |
| (reference value)[1-3] poly(oxyethylene) undecyl ether (The | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | **12            |
| polymerisation degree of the oxyethylenes: 1-15)            |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | **12            |
|   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)          | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | **12            |
| Detection Frequency (site) :1/25(Missing value :0)          | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | **12            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | **12            |
| Detection range :nd ~ 25                                    |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | **12            |
| Detection limit range :12~23                                | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | **12            |
| Detection limit :23   |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | **12            |
| Requested Detection limit : -                               | Yokohama City   | 10  | Yokohama Port   | nd             | **12            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | **12            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | **23            |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | **12            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | **12            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | **12            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 25             | **12            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | **12            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | **12            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | **12            |
|   |                 | 20  | Osaka Port  | nd             | **12            |
|   | Kobe City       | 21  | Kobe Port(center)   | nd             | **12            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | **12            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | **12            |
|   | Fukuoka City    | 24  | Hakata Bay  | nd             | **12            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | **12            |
| (reference value)[1-3-1] mono (oxyethylene) undecyl ether   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :0/25(Missing value :0)          | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :0/25(Missing value :0)        | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94 ~ 5.2                           |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :5.2  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                               |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|   | Yokohama City   | 10  | Yokohama Port   | nd             | 0.94            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 5.2             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.94            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|   |                 | 20  | Osaka Port  | nd             | 0.94            |
|   | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.94            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.94            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.94            |
|   | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.94            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \*\*: indicates the sum value of the Detection limits of each degree of polymerization.

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
|  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-3-2] di (oxyethylene) undecyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :0/25(Missing value :0)       | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :0/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd                                      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :1.2~2.2                           |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :2.2                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 2.2             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|  |                 | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| (reference value)[1-3-3] tri (oxyethylene) undecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)       |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection Frequency (site) :0/25(Missing value :0)       | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection Frequency (sample) :0/25(Missing value :0)     | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection range :nd                                      | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Detection limit range :0.49 ~ 0.84                       |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Detection limit :0.84                                    | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Requested Detection limit : -                            |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.84            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.84            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.84            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.49            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.84            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.84            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.84            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.84            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
|  |                 | 20 | Osaka Port  | nd             | 0.84            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.84            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.84            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.84            |
|  |                 |    |   |                |                 |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.84            |

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            | No | Monitored sites   | Measured value | Reported        |
|--|------------------|----|---|----------------|-----------------|
|  | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-3-4] tetra (oxyethylene) undecyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.73            |
|  |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)         |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.73            |
| Detection Frequency (site) :0/25(Missing value :0)         | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.73            |
| Detection Frequency (sample) :0/25(Missing value :0)       | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd  | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                          |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.73            |
| Detection limit :1.3                                       | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.73            |
| Requested Detection limit : -                              |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.73            |
|  | Yokohama City    | 10 | Yokohama Port   | nd             | 0.73            |
|  |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.73            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|  | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.73            |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.73            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.73            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.73            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.73            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.73            |
|  |                  | 20 | Osaka Port  | nd             | 0.73            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.73            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.73            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.73            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.73            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.73            |
| (reference value)[1-3-5] penta (oxyethylene) undecyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.76            |
|  |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)         |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.76            |
| Detection Frequency (site) :0/25(Missing value :0)         | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.76            |
| Detection Frequency (sample) :0/25(Missing value :0)       | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd  | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.76            |
| Detection limit range :0.76~1.7                            |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.76            |
| Detection limit :1.7                                       | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.76            |
| Requested Detection limit : -                              |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.76            |
|  | Yokohama City    | 10 | Yokohama Port   | nd             | 0.76            |
|  |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.76            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|  | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.76            |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.76            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.76            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.76            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.76            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.76            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.76            |
|  |                  | 20 | Osaka Port  | nd             | 0.76            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.76            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.76            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.76            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.76            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.76            |
|  | iviiyazaki riel. | 23 | 1011gaku00-0asiii Briuge, Kiv. 15uJiii0d0u(Kobayasiii City)   | иu             | 0.70            |

(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  (reference value)[1-3-6] hexa (oxyethylene) undecyl ether | communities<br>Hokkaido      | No | Monitored sites   | Sample1 | Detection limit |
|---|------------------------------|----|---|---------|-----------------|
| (reference value)[1-3-6] hexa (oxyethylene) undecyl ether                   | II aldraida                  |    |   |         |                 |
|   | поккатао                     | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd      | 0.53            |
|   |                              | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd      | 0.53            |
| Detailed Environmental Survey/surface water (ng/L)                          |                              | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd      | 0.53            |
| Detection Frequency (site) :0/25(Missing value :0)                          | Akita Pref.                  | 4  | Akita Canal(Akita City)                                       | nd      | 0.53            |
| Detection Frequency (sample) :0/25(Missing value :0)                        | Ibaraki Pref.                | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd      | 0.53            |
| Detection range :nd   | Saitama Pref.                | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd      | 0.53            |
| Detection limit range :0.53~ 1.4  |                              | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd      | 0.53            |
| Detection limit :1.4  | Tokyo Met.                   | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd      | 0.53            |
| Requested Detection limit : -   |                              | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd      | 0.53            |
|   | Yokohama City                | 10 | Yokohama Port   | nd      | 0.53            |
|   |                              | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd      | 0.53            |
|   | Niigata Pref.                | 12 | Lower Riv. Shinano(Niigata City)                              | nd      | 1.4             |
|   | Nagano Pref.                 | 13 | Lake Suwa(center)   | nd      | 0.53            |
|   | Shizuoka Pref.               | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd      | 0.53            |
|   | Aichi Pref.                  | 15 | Nagoya Port , West of Shiomi Wharf                            | nd      | 0.53            |
|   | Nagoya City                  | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd      | 0.53            |
|   | Mie Pref.                    | 17 | Yokkaichi Port  | *0.70   | 0.53            |
|   | Kyoto City                   | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd      | 0.53            |
|   | Osaka City                   | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd      | 0.53            |
|   |                              | 20 | Osaka Port  | nd      | 0.53            |
|   | Kobe City                    | 21 | Kobe Port(center)   | nd      | 0.53            |
|   | Okayama Pref.                | 22 | Offshore of Mizushima   | nd      | 0.53            |
|   | Yamaguchi Pref.              | 23 | Offshore of Hagi  | nd      | 0.53            |
|   | Fukuoka City                 | 24 | Hakata Bay  | nd      | 0.53            |
|   | Miyazaki Pref.               | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd      | 0.53            |
| (reference value)[1-3-7] hepta (oxyethylene) undecyl ether                  | Hokkaido                     | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd      | 0.59            |
|   |                              | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd      | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)                          |                              | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd      | 0.59            |
| Detection Frequency (site) :0/25(Missing value :0)                          | Akita Pref.                  | 4  | Akita Canal(Akita City)                                       | nd      | 0.59            |
| Detection Frequency (sample) :0/25(Missing value :0)                        | Ibaraki Pref.                | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd      | 0.59            |
| Detection range :nd   | Saitama Pref.                | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd      | 0.59            |
| Detection limit range :0.59~ 1.6  |                              | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd      | 0.59            |
| Detection limit :1.6  | Tokyo Met.                   | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd      | 0.59            |
| Requested Detection limit : -   |                              | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd      | 0.59            |
|   | Yokohama City                | 10 | Yokohama Port   | nd      | 0.59            |
|   |                              | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd      | 0.59            |
|   | Niigata Pref.                | 12 | Lower Riv. Shinano(Niigata City)                              | nd      | 1.6             |
|   | Nagano Pref.                 | 13 | Lake Suwa(center)   | nd      | 0.59            |
|   | Shizuoka Pref.               | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd      | 0.59            |
|   | Aichi Pref.                  | 15 | Nagoya Port , West of Shiomi Wharf                            | nd      | 0.59            |
|   | Nagoya City                  | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *1.2    | 0.59            |
|   | Mie Pref.                    | 17 | Yokkaichi Port  | nd      | 0.59            |
|   | Kyoto City                   | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd      | 0.59            |
|   | Osaka City                   | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd      | 0.59            |
|   |                              | 20 | Osaka Port  | nd      | 0.59            |
|   | Kobe City                    | 21 | Kobe Port(center)   | nd      | 0.59            |
|   | Okayama Pref.                | 22 | Offshore of Mizushima   | nd      | 0.59            |
| 1   |                              |    |   | nd      | 0.59            |
|   | Yamaguchi Pref.              | 23 | Olishore of riagi   | IIG     |                 |
|   | Yamaguchi Pref. Fukuoka City | 24 | Offshore of Hagi<br>Hakata Bay                                | nd      | 0.59            |

(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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals    Communities   No   Monitored sites   | Detection limit  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39  0.39 |
|--|---|
| Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site):1/25(Missing value:0)  Detection Frequency (sample):1/25(Missing value:0)  Detection range: nd ~ 1.8  Detection limit range: 0.39~ 1.6  Detection limit:1.6  Requested Detection limit:-  2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)  Akita Pref. 4 Akita Canal(Akita City)  Ibaraki Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  Akita Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City)  nd  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward)  Pokohama City 10 Yokohama Port  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo Met. 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo hama City 10 Yokohama Port  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo hama City 10 Yokohama Port  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo hama City 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo hama City 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  Now the Mouth of Riv. Sumida(Minato Ward)  Tokyo hama City 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   | 0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39  |
| Detailed Environmental Survey/surface water (ng/L)  Detection Frequency (site):1/25(Missing value:0)  Detection Frequency (sample):1/25(Missing value:0)  Detection range:nd ~ 1.8  Detection limit range:0.39~1.6  Detection limit:1.6  Requested Detection limit:-  Detection limit:-  Detection limit:-  Detection limit:-  Tokyo Met.  Mouth of Riv. Arakawa(Koto Ward)  Akita Pref.  Saitama Pref.  Saitama Pref.  Tokyo Met.  Mouth of Riv. Arakawa(Koto Ward)  Power of Mouth of Riv. Sumida(Minato Ward)  Note of Riv. Sumida(Minato Ward)  Tokyo Met.  Note of Riv. Sumida(Minato War | 0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39  |
| Detection Frequency (site):1/25(Missing value:0)  Detection Frequency (sample):1/25(Missing value:0)  Detection Frequency (sample):1/25(Missing value:0)  Detection range: nd ~ 1.8  Detection limit range: 0.39~ 1.6  Detection limit: 1.6  Requested Detection limit: -  Detection limit: -  Akita Pref. 4 Akita Canal(Akita City)  nd  Saitama Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  nd  Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City)  nd  Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward)  nd  Yokohama City 10 Yokohama Port  nd  11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  nd   | 0.39<br>0.39<br>0.39<br>0.39<br>0.39<br>0.39  |
| Detection Frequency (sample):1/25(Missing value:0)  Detection range: nd ~ 1.8  Detection limit range: 0.39~ 1.6  Detection limit: 1.6  Requested Detection limit: -  D | 0.39<br>0.39<br>0.39<br>0.39<br>0.39  |
| Detection range :nd ~ 1.8  Detection limit range :0.39 ~ 1.6  Detection limit :1.6  Requested Detection limit :-  Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd  7 Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town) nd  8 Mouth of Riv. Arakawa(Koto Ward) nd  9 Mouth of Riv. Sumida(Minato Ward) nd  Yokohama City 10 Yokohama Port nd  11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.39<br>0.39<br>0.39<br>0.39<br>0.39  |
| Detection limit range :0.39~1.6  Detection limit :1.6  Requested Detection limit :-  Yokohama City  Tokyo Met.  Tokyo Met.  Tokyo Met.  Tokyo Met.  B Mouth of Riv. Arakawa(Koto Ward)  Mouth of Riv. Sumida(Minato Ward)  Tokyo Met.  Yokohama City  Tokyo Met.  Tokyo Met.  Tokyo Met.  P Mouth of Riv. Sumida(Minato Ward)  Tokyo Met.  | 0.39<br>0.39<br>0.39<br>0.39  |
| Detection limit : 1.6  | 0.39<br>0.39<br>0.39  |
| Requested Detection limit: - 9 Mouth of Riv. Sumida(Minato Ward) nd  Yokohama City 10 Yokohama Port nd  11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.39<br>0.39  |
| Yokohama City 10 Yokohama Port nd 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.39  |
| 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  |   |
|  | 0.39  |
| Nº - P. C. 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7  |   |
| Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd   | 1.6   |
| Nagano Pref. 13 Lake Suwa(center) nd   | 0.39  |
| Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) nd  | 0.39  |
| Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd   | 0.39  |
| Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 1.8   | 0.39  |
| Mie Pref. 17 Yokkaichi Port nd   | 0.39  |
| Kyoto City 18 Miyamae-bashi Bridge,Riv. Katsura(Kyoto City) nd   | 0.39  |
| Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  | 0.39  |
| 20 Osaka Port nd   | 0.39  |
| Kobe City 21 Kobe Port(center) nd  | 0.39  |
| Okayama Pref. 22 Offshore of Mizushima nd  | 0.39  |
| Yamaguchi Pref. 23 Offshore of Hagi nd   | 0.39  |
| Fukuoka City 24 Hakata Bay nd  | 0.39  |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  | 0.39  |
| (reference value)[1-3-9] nona (oxyethylene) undecyl ether Hokkaido 1 Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) nd  | 0.68  |
| 2 Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City) nd   | 0.68  |
| Detailed Environmental Survey/surface water (ng/L)  3 Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)  nd  | 0.68  |
| Detection Frequency (site):1/25(Missing value:0)  Akita Pref. 4 Akita Canal(Akita City)  nd  | 0.68  |
| Detection Frequency (sample):1/25(Missing value:0)  Ibaraki Pref. 5 Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)  nd   | 0.68  |
| Detection range :nd ~ 1.7 Saitama Pref. 6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City) nd   | 0.68  |
| Detection limit range :0.68~0.95 7 Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town) nd  | 0.68  |
| Detection limit :0.95 Tokyo Met. 8 Mouth of Riv. Arakawa(Koto Ward) nd   | 0.68  |
| Requested Detection limit: - 9 Mouth of Riv. Sumida(Minato Ward) nd  | 0.68  |
| Yokohama City 10 Yokohama Port nd  | 0.68  |
| 11 Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City) nd  | 0.68  |
| Niigata Pref. 12 Lower Riv. Shinano(Niigata City) nd   | 0.95  |
| Nagano Pref. 13 Lake Suwa(center) nd   | 0.68  |
| Shizuoka Pref. 14 Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City) nd  | 0.68  |
| Aichi Pref. 15 Nagoya Port , West of Shiomi Wharf nd   | 0.68  |
| Nagoya City 16 Minatoshinbashi Bridge, Riv. Hori (Nagoya City) 1.7   | 0.68  |
| Mie Pref. 17 Yokkaichi Port nd   | 0.68  |
| Kyoto City 18 Miyamae-bashi Bridge,Riv. Katsura(Kyoto City) nd   | 0.68  |
| Osaka City 19 Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) nd  | 0.68  |
| 20 Osaka Port nd   | 0.68  |
| Kobe City 21 Kobe Port(center) nd  | 0.68  |
| Okayama Pref. 22 Offshore of Mizushima nd  | 0.68  |
| Yamaguchi Pref. 23 Offshore of Hagi nd   | 0.68  |
| Fukuoka City 24 Hakata Bay nd  | 0.68  |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd  | 0.68  |

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: Estimated value based on industrial products.

(Note 5)  $\ast$ : reference value (less then unified detection limit) (excluded value from the subject of aggregation)

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
|  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-3-10] deca (oxyethylene) undecyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.82            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.82            |
| Detection Frequency (site) :1/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.82            |
| Detection Frequency (sample) :1/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd ~ 1.7                                    | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.82            |
| Detection limit range :0.82~ 1.1                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.82            |
| Detection limit :1.1   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.82            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.82            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.82            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.82            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.82            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1.7            | 0.82            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.82            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.82            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.82            |
|  |                 | 20 | Osaka Port  | nd             | 0.82            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.82            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.82            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.82            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.82            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.82            |
| (reference value)[1-3-11] undeca (oxyethylene) undecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :1/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :1/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 2.3                                    | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 1.3                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :1.3   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2.3            | 0.94            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|  |                 | 20 | Osaka Port  | nd             | 0.94            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |
|  | , azaki i ici.  | 23 |   | 110            | U.7-T           |

(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            | No | Monitored sites   | Measured value | Reported        |
|---|------------------|----|---|----------------|-----------------|
|   | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-3-12] dodeca (oxyethylene) undecyl ether  | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.0             |
|   |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)            |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 1.0             |
| Detection Frequency (sample):1/25(Missing value:0)            | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd ~ 2.9                                     | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.0             |
| Detection limit range :1.0~ 1.2                               |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2  | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                                 |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 1.0             |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 1.0             |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.0             |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2.9            | 1.0             |
|   | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 1.0             |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|   |                  | 20 | Osaka Port  | nd             | 1.0             |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 1.0             |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 1.0             |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 1.0             |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 1.0             |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.0             |
| (reference value)[1-3-13] trideca (oxyethylene) undecyl ether | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
|   |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)            |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | nd             | 0.81            |
| Detection Frequency (sample) :1/25(Missing value :0)          | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd ~ 3.4                                     | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65~0.81                              |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81   | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                                 |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 0.81            |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.81            |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.81            |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 3.4            | 0.81            |
|   | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.81            |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|   | [                | 20 | Osaka Port  | nd             | 0.81            |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.81            |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.81            |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.81            |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.81            |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.81            |
|   | iviiyazdki fici. | 23 | 1011garaco-oasiii Driuge, Riv. 15ujiilouou(Robayasiii City)   | ilu            | 0.01            |

(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

|   | Local           |    |   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-3-14] tetradeca (oxyethylene) undecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.93            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)              |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.93            |
| Detection Frequency (site) :1/25(Missing value :0)              | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.93            |
| Detection Frequency (sample) :1/25(Missing value :0)            | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd ~ 2.4                                       | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.93            |
| Detection limit range :0.93 ~ 1.1                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.93            |
| Detection limit :1.1  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                                   |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.93            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.93            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.93            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.93            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.93            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2.4            | 0.93            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.93            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.93            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.93            |
|   |                 | 20 | Osaka Port  | nd             | 0.93            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.93            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.93            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.93            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.93            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.93            |
| (reference value)[1-3-15] pentadeca (oxyethylene) undecyl       | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
| ether   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)              |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)              | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)            | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 6.7                                       | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :0.81 ~ 1.2                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                   |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 6.7            | 1.2             |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|   |                 | 20 | Osaka Port  | nd             | 1.2             |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |

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           | No  | Monitored sites   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| Target chemicals  | communities     | 110 | Womored sites   | Sample1        | Detection limit |
| [1-4] poly(oxyethylene) dodecyl ether (The polymerisation | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 100            | **14            |
| degree of the oxyethylenes: 1-15)                         |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 38             | **14            |
|   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 55             | **14            |
| Detailed Environmental Survey/surface water (ng/L)        | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 580            | **14            |
| Detection Frequency (site) :21/25(Missing value :0)       | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | **14            |
| Detection Frequency (sample) :21/25(Missing value :0)     | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 420            | **14            |
| Detection range :nd ~ 5,300                               |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 160            | **14            |
| Detection limit range :14~23                              | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | 20             | **14            |
| Detection limit :14                                       |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 94             | **14            |
| Requested Detection limit : -                             | Yokohama City   | 10  | Yokohama Port   | 110            | **14            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 140            | **14            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 63             | **23            |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | **14            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 590            | **14            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | 21             | **14            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 5,300          | **14            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 170            | **14            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 210            | **14            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 50             | **14            |
|   |                 | 20  | Osaka Port  | 54             | **14            |
|   | Kobe City       | 21  | Kobe Port(center)   | 97             | **14            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | **14            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | **14            |
|   | Fukuoka City    | 24  | Hakata Bay  | 56             | **14            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 430            | **14            |
| [1-4-1] mono (oxyethylene) dodecyl ether                  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 5.9            | 0.94            |
|   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 11             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)        |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 4.2            | 0.94            |
| Detection Frequency (site) :24/25(Missing value :: 0)     | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 12             | 0.94            |
| Detection Frequency (sample) :24/25(Missing value :0)     | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | 1.4            | 0.94            |
| Detection range :nd ~ 45                                  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 1.8            | 0.94            |
| Detection limit range :0.94~ 5.2                          |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 3.6            | 0.94            |
| Detection limit :0.94                                     | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | 1.5            | 0.94            |
| Requested Detection limit : -                             |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 12             | 0.94            |
|   | Yokohama City   | 10  | Yokohama Port   | 9.9            | 0.94            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 13             | 0.94            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 43             | 5.2             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | 1.4            | 0.94            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 18             | 0.94            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | 6              | 0.94            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 45             | 0.94            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 10             | 0.94            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 2.5            | 0.94            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 4              | 0.94            |
|   |                 | 20  | Osaka Port  | 10             | 0.94            |
|   | Kobe City       | 21  | Kobe Port(center)   | 9.8            | 0.94            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | 6.2            | 0.94            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | 2.7            | 0.94            |
|   | Fukuoka City    | 24  | Hakata Bay  | 10             | 0.94            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |

(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 3) \*\* : indicates the sum value of the Detection limits of each degree of polymerization.

| Target chemicals                                      | Local           | No  | Monitored sites   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| raiget ellennears                                     | communities     | 110 | Wolfford Sies   | Sample1        | Detection limit |
| [1-4-2] di (oxyethylene) dodecyl ether                | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 3.6            | 1.2             |
|   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 4.9            | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 2.7            | 1.2             |
| Detection Frequency (site) :24/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 7.6            | 1.2             |
| Detection Frequency (sample) :24/25(Missing value :0) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | 1.2            | 1.2             |
| Detection range :nd ~ 34                              | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 2.0            | 1.2             |
| Detection limit range :1.2~2.2                        |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 2.8            | 1.2             |
| Detection limit :1.2                                  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | 2.1            | 1.2             |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 13             | 1.2             |
|   | Yokohama City   | 10  | Yokohama Port   | 5.4            | 1.2             |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 6.3            | 1.2             |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 13             | 2.2             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | 2.6            | 1.2             |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 28             | 1.2             |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | 3.9            | 1.2             |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 34             | 1.2             |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 6.1            | 1.2             |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 2.2            | 1.2             |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 2.3            | 1.2             |
|   |                 | 20  | Osaka Port  | 9.3            | 1.2             |
|   | Kobe City       | 21  | Kobe Port(center)   | 13             | 1.2             |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | 2.9            | 1.2             |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | 2.1            | 1.2             |
|   | Fukuoka City    | 24  | Hakata Bay  | 7.1            | 1.2             |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| [1 4 2] 6: (  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 2.0            | 0.84            |
| [1-4-3] tri (oxyethylene) dodecyl ether               |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 1.8            | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 1.5            | 0.84            |
| Detection Frequency (site) :24/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 6.5            | 0.84            |
| Detection Frequency (sample) :24/25(Missing value :0) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | 1.1            | 0.84            |
| Detection range :nd ~ 38                              | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 2.0            | 0.84            |
| Detection limit range :0.49 ~ 0.84                    |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 2.5            | 0.84            |
| Detection limit :0.84                                 | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | 1.8            | 0.84            |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 8.3            | 0.84            |
|   | Yokohama City   | 10  | Yokohama Port   | 4.6            | 0.84            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 4.0            | 0.84            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 4.3            | 0.49            |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | 1.4            | 0.84            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 24             | 0.84            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | 1.3            | 0.84            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 38             | 0.84            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 3.8            | 0.84            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 1.6            | 0.84            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 1.5            | 0.84            |
|   |                 | 20  | Osaka Port  | 5.0            | 0.84            |
|   | Kobe City       | 21  | Kobe Port(center)   | 10             | 0.84            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.84            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | 1              | 0.84            |
|   | Fukuoka City    | 24  | Hakata Bay  | 3.6            | 0.84            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 0.85           | 0.84            |

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

| T   | Local           |    | W 20 12   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals                                      | communities     | No | Monitored sites   | Sample1        | Detection limit |
| [1-4-4] tetra (oxyethylene) dodecyl ether             | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 2.2            | 0.73            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 1.1            | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 0.89           | 0.73            |
| Detection Frequency (site) :22/25(Missing value :0)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 9.3            | 0.73            |
| Detection Frequency (sample) :22/25(Missing value :0) | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd ~ 38                              | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 2.9            | 0.73            |
| Detection limit range :0.73~1.3                       |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 3.7            | 0.73            |
| Detection limit :0.73                                 | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | 1.4            | 0.73            |
| Requested Detection limit : -                         |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 7.5            | 0.73            |
|   | Yokohama City   | 10 | Yokohama Port   | 5.2            | 0.73            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 4.2            | 0.73            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | 1.6            | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | 1.0            | 0.73            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 26             | 0.73            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 38             | 0.73            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | 3.8            | 0.73            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 1.9            | 0.73            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 0.96           | 0.73            |
|   |                 | 20 | Osaka Port  | 3.8            | 0.73            |
|   | Kobe City       | 21 | Kobe Port(center)   | 10             | 0.73            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.73            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | 0.87           | 0.73            |
|   | Fukuoka City    | 24 | Hakata Bay  | 3.2            | 0.73            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 1.2            | 0.73            |
|   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 3.9            | 0.76            |
| [1-4-5] penta (oxyethylene) dodecyl ether             |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             |                |                 |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               |                |                 |
| Detection Frequency (site) :15/20(Missing value :5)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 18             | 0.76            |
| Detection Frequency (sample) :15/20(Missing value :5) | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd ~ 55                              | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 6.8            | 0.76            |
| Detection limit range :0.76~ 1.7                      |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 7.8            | 0.76            |
| Detection limit :1.7                                  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | 3.0            | 0.76            |
| Requested Detection limit : -                         |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 10             | 0.76            |
|   | Yokohama City   | 10 | Yokohama Port   | 6.6            | 0.76            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 9.1            | 0.76            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.76            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 33             | 0.76            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | 4.9            | 0.76            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 55             | 0.76            |
|   | Mie Pref.       | 17 | Yokkaichi Port  |                |                 |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 3.9            | 0.76            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  |                |                 |
|   |                 | 20 | Osaka Port  | 6.6            | 0.76            |
|   | Kobe City       | 21 | Kobe Port(center)   | 11             | 0.76            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | *0.78          | 0.76            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | *0.85          | 0.76            |
|   | Fukuoka City    | 24 | Hakata Bay  | 3.7            | 0.76            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      |                |                 |
|   | ,               |    | S   | 1              |                 |

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 then unified detection limit)  $(excluded\ value\ from\ the\ subject\ of\ aggregation)$ 

| The state of the s | Local           | NI. | Market district   | Measured value | Reported        |
|--|-----------------|-----|---|----------------|-----------------|
| Target chemicals   | communities     | No  | Monitored sites   | Sample1        | Detection limit |
| [1-4-6] hexa (oxyethylene) dodecyl ether   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 6.2            | 1.6             |
|  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 1.8            | 1.6             |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 1.8            | 1.6             |
| Detection Frequency (site) :17/25(Missing value :0)  | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 28             | 1.6             |
| Detection Frequency (sample) :17/25(Missing value :0)  | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.6             |
| Detection range :nd ~ 76   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 9.2            | 1.6             |
| Detection limit range :1.4~ 1.6  |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 11             | 1.6             |
| Detection limit :1.6   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.6             |
| Requested Detection limit : -  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 6.9            | 1.6             |
|  | Yokohama City   | 10  | Yokohama Port   | 6.7            | 1.6             |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 5.6            | 1.6             |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.4             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 1.6             |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 35             | 1.6             |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.6             |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 76             | 1.6             |
|  | Mie Pref.       | 17  | Yokkaichi Port  | 6.3            | 1.6             |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 4.3            | 1.6             |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.6             |
|  |                 | 20  | Osaka Port  | 3.0            | 1.6             |
|  | Kobe City       | 21  | Kobe Port(center)   | 9.2            | 1.6             |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 1.6             |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 1.6             |
|  | Fukuoka City    | 24  | Hakata Bay  | 3.1            | 1.6             |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 5.0            | 1.6             |
| [1-4-7] hepta (oxyethylene) dodecyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 10             | 0.59            |
|  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 2.6            | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 2.4            | 0.59            |
| Detection Frequency (site) :16/22(Missing value :3)  | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 46             | 0.59            |
| Detection Frequency (sample) :16/22(Missing value :3)  | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | *1.0           | 0.59            |
| Detection range :nd ~ 120  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 14             | 0.59            |
| Detection limit range :0.59~ 1.6   |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 14             | 0.59            |
| Detection limit :1.6   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | 2.2            | 0.59            |
| Requested Detection limit : -  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 6.6            | 0.59            |
|  | Yokohama City   | 10  | Yokohama Port   | 8.0            | 0.59            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 7.8            | 0.59            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | *0.62          | 0.59            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                |                |                 |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | *1.2           | 0.59            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 120            | 0.59            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | 12             | 0.59            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 |                |                 |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 2.5            | 0.59            |
|  |                 | 20  | Osaka Port  |                |                 |
|  | Kobe City       | 21  | Kobe Port(center)   | 9.1            | 0.59            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | *0.83          | 0.59            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | *0.76          | 0.59            |
|  | Fukuoka City    | 24  | Hakata Bay  | 3.3            | 0.59            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 11             | 0.59            |

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 then unified detection limit) (excluded value from the subject of aggregation)

| Target chemicals  | Local                  | No | Monitored sites   | Measured value | Reported        |
|---|------------------------|----|---|----------------|-----------------|
|   | communities            |    |   | Sample1        | Detection limit |
| [1-4-8] octa (oxyethylene) dodecyl ether                      | Hokkaido               | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 15             | 1.4             |
|   |                        | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 2.6            | 1.4             |
| Detailed Environmental Survey/surface water (ng/L)            |                        | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 3.1            | 1.4             |
| Detection Frequency (site) :19/25(Missing value :0)           | Akita Pref.            | 4  | Akita Canal(Akita City)                                       | 61             | 1.4             |
| Detection Frequency (sample) :19/25(Missing value :0)         | Ibaraki Pref.          | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.4             |
| Detection range :nd ~ 180                                     | Saitama Pref.          | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 20             | 1.4             |
| Detection limit range :1.4~ 1.6                               |                        | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 19             | 1.4             |
| Detection limit :1.6  | Tokyo Met.             | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | 2.3            | 1.4             |
| Requested Detection limit : -                                 |                        | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 6.3            | 1.4             |
|   | Yokohama City          | 10 | Yokohama Port   | 7.8            | 1.4             |
|   |                        | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 8.3            | 1.4             |
|   | Niigata Pref.          | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|   | Nagano Pref.           | 13 | Lake Suwa(center)   | nd             | 1.4             |
|   | Shizuoka Pref.         | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 51             | 1.4             |
|   | Aichi Pref.            | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.4             |
|   | Nagoya City            | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 180            | 1.4             |
|   | Mie Pref.              | 17 | Yokkaichi Port  | 14             | 1.4             |
|   | Kyoto City             | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 11             | 1.4             |
|   | Osaka City             | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 4              | 1.4             |
|   |                        | 20 | Osaka Port  | 4.6            | 1.4             |
|   | Kobe City              | 21 | Kobe Port(center)   | 8.4            | 1.4             |
|   | Okayama Pref.          | 22 | Offshore of Mizushima   | nd             | 1.4             |
|   | Yamaguchi Pref.        | 23 | Offshore of Hagi  | nd             | 1.4             |
|   | Fukuoka City           | 24 | Hakata Bay  | 2.6            | 1.4             |
|   | Miyazaki Pref.         | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 22             | 1.4             |
| [1-4-9] nona (oxyethylene) dodecyl ether                      | Hokkaido               | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 14             | 0.60            |
|   |                        | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 1.9            | 0.60            |
| Detailed Environmental Survey/surface water (ng/L)            |                        | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 3.8            | 0.60            |
| Detection Frequency (site) :19/25(Missing value :0)           | Akita Pref.            | 4  | Akita Canal(Akita City)                                       | 53             | 0.60            |
| Detection Frequency (sample) :19/25(Missing value :0)         | Ibaraki Pref.          | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection range :nd ~ 200                                     | Saitama Pref.          | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 18             | 0.60            |
| Detection limit range :0.60~ 0.95                             |                        | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 14             | 0.60            |
| Detection limit :0.95   | Tokyo Met.             | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | 1.1            | 0.60            |
| Requested Detection limit : -                                 |                        | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 3.7            | 0.60            |
|   | Yokohama City          | 10 | Yokohama Port   | 5.5            | 0.60            |
|   |                        | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 6.4            | 0.60            |
|   | Niigata Pref.          | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
|   | Nagano Pref.           | 13 | Lake Suwa(center)   | nd             | 0.60            |
|   | Shizuoka Pref.         | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 47             | 0.60            |
|   | Aichi Pref.            | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
|   | Nagoya City            | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 200            | 0.60            |
|   | Mie Pref.              | 17 | Yokkaichi Port  | 13             | 0.60            |
|   | Kyoto City             | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 10             | 0.60            |
|   | Osaka City             | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 3.8            | 0.60            |
|   |                        | 20 | Osaka Port  | 3.7            | 0.60            |
|   | Kobe City              | 21 | Kobe Port(center)   | 4.2            | 0.60            |
|   | Okayama Pref.          | 22 | Offshore of Mizushima   | nd             | 0.60            |
|   | Yamaguchi Pref.        | 23 | Offshore of Hagi  | *0.61          | 0.60            |
|   | Fukuoka City           | 24 | Hakata Bay  | 1.7            | 0.60            |
|   | Miyazaki Pref.         | 25 | ·   | 21             |                 |
| (Note 1) Detection frequency (cite) is based on the number of | sites, thus meens (the |    | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 21             | 0.60            |

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 then unified detection limit) (excluded value from the subject of aggregation)

| Target chemicals                                      | Local           | No  | Monitored sites   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| Tanget enemited                                       | communities     | 110 |   | Sample1        | Detection limit |
| [1-4-10] deca (oxyethylene) dodecyl ether             | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 13             | 0.82            |
| [1 1 10] deed (only emily ener) as deed, remen        |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 2.6            | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 3.5            | 0.82            |
| Detection Frequency (site) :18/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 56             | 0.82            |
| Detection Frequency (sample) :18/25(Missing value :0) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd ~ 300                             | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 24             | 0.82            |
| Detection limit range :0.82~1.1                       |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 13             | 0.82            |
| Detection limit :1.1                                  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 2.8            | 0.82            |
|   | Yokohama City   | 10  | Yokohama Port   | 5.8            | 0.82            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 8.6            | 0.82            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.82            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 45             | 0.82            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 300            | 0.82            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 13             | 0.82            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 12             | 0.82            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 4              | 0.82            |
|   |                 | 20  | Osaka Port  | 2.9            | 0.82            |
|   | Kobe City       | 21  | Kobe Port(center)   | 2.9            | 0.82            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.82            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.82            |
|   | Fukuoka City    | 24  | Hakata Bay  | 1.5            | 0.82            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 30             | 0.82            |
| [1 4 11] yandaga (ayyyathyilana) dadagyil athan       | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 9.4            | 0.94            |
| [1-4-11] undeca (oxyethylene) dodecyl ether           |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 2.4            | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 5.5            | 0.94            |
| Detection Frequency (site) :18/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 59             | 0.94            |
| Detection Frequency (sample) :18/25(Missing value :0) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 330                             | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 32             | 0.94            |
| Detection limit range :0.94~ 1.3                      |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 11             | 0.94            |
| Detection limit :1.3                                  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 3.2            | 0.94            |
|   | Yokohama City   | 10  | Yokohama Port   | 6.2            | 0.94            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 8.2            | 0.94            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 54             | 0.94            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 330            | 0.94            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 15             | 0.94            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 16             | 0.94            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 3.8            | 0.94            |
|   |                 | 20  | Osaka Port  | 2.3            | 0.94            |
|   | Kobe City       | 21  | Kobe Port(center)   | 2.3            | 0.94            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.94            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.94            |
|   | Fukuoka City    | 24  | Hakata Bay  | 2.1            | 0.94            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 38             | 0.94            |

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

| Commission   Com | Target chemicals                                      | Local           | No | Monitored sites   | Measured value | Reported        |
|--|---|-----------------|----|---|----------------|-----------------|
| Decided Environmental Survey/turfine water (ng L)   2   Surrama-chanhi Bridge, Rev. Totach(Childia Toron)   5.2   5   5   5   5   5   5   5   5   5  | · ·   | communities     |    |   | Sample1        | Detection limit |
| Detection Frequency (solid :18 2590stames value :9)  | [1-4-12] dodeca (oxyethylene) dodecyl ether           | Hokkaido        |    | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 9.4            | 1.0             |
| Decision Proposery (1811-1825/Missing value 6)   Delication Proposery (1811-1825/Missing value 6)   Decision Improved 1-0-12   Desiration from the property of the Processor of the Proposery (1811-182)   Desiration from the Proposery (1811-182)   Decision found in Target 1.0-1.2   Tokyo Met. 8   Months of Rev. Anta-Months (Prop. Proc. Months)   12   14   14   15   15   15   15   15   15   |   |                 |    |   | 2.8            | 1.0             |
| Praction Proguency (sample):18/25/Missing value 49   16   16   16   16   16   16   16   1  | Detailed Environmental Survey/surface water (ng/L)    |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 5.4            | 1.0             |
| Detection mage nd = 470  | Detection Frequency (site) :18/25(Missing value :0)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 54             | 1.0             |
| Protection Iminit range   1.0 - 1.2   Tokyo Met.   8   Month of Riv. Anabas (Rividge, Riv. Indiner(Yoshima Town)   12   1.4  | Detection Frequency (sample) :18/25(Missing value :0) | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Protection limit :- 1.2  | Detection range :nd ~ 470                             | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 42             | 1.0             |
| Page   | Detection limit range :1.0~ 1.2                       |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 12             | 1.0             |
| Volcohama City   10   Volcohama Port   11   Kamencko-basis Bridge, Riv. Tummint/Volcohama City)   8, 7   14   14   Ningan Port   13   Lake Sunvecenter)   14   ShinanoNigara City)   48   14   15   Nagana Port   13   Lake Sunvecenter)   14   ShinanoNigara City)   48   14   15   Nagana Port   15   Nagana Port   15   Nagana Port   15   Nagana Port   16   National Port   17   National Po | Detection limit :1.2                                  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Nigara Perf   12   Lower Rv. ShamanoNingian City   n.d.   1.5  | Requested Detection limit : -                         |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 3.3            | 1.0             |
| Nigata Pref.   12   Lower Riv. Shimano/Nigata City)   nd   1.2   |   | Yokohama City   | 10 | Yokohama Port   | 6.4            | 1.0             |
| Nagano Pref.   13   Lake Sivus(center)   |   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 8.7            | 1.0             |
| Shizouka Pref.   14  |   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
| Aichi Perf.   15   Nagoya City   16   Nagoya City   16   Nagoya City   16   Nagoya City   16   Nagoya City   17   Vakaichi Perf   16   1.1   |   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.0             |
| Nagoya City  |   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 48             | 1.0             |
| Mile Pref.   17   Vokkaichi Port   16   1.0  |   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
| Kyoto City   |   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 470            | 1.0             |
| Osaka City   19   Rema-bashi Bridge, Riv. Ohskava (Osaka City)   4.0   1.1   |   | Mie Pref.       | 17 | Yokkaichi Port  | 16             | 1.0             |
| 20   |   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 23             | 1.0             |
| Kobe City   21   Kobe Port(center)   2.1   1.14  |   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 4.0            | 1.0             |
| Okayama Pref.   22 Offshore of Mizushima   nd  |   |                 | 20 | Osaka Port  | 1.6            | 1.0             |
| Yamaguchi Pref.   23   Offshore of Hagi  |   | Kobe City       | 21 | Kobe Port(center)   | 2.1            | 1.0             |
| Fukooka City   24   Hakata Bay   2.1   1.1   |   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.0             |
| Miyazaki Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   52   1.1.6  |   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.0             |
| 1-4-13  trideca (oxyethylene) dodecyl ether  |   | Fukuoka City    | 24 | Hakata Bay  | 2.1            | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)   |   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 52             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)   3   Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   4.5   0.8   | [1-4-13] trideca (oxyethylene) dodecyl ether          | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 6.7            | 0.81            |
| Detection Frequency (site) :16/24(Missing value :1)   Detection Frequency (sample) :16/24(Missing value :1)   Detection Frequency (sample) :16/24(Missing value :1)   Detection Imit range :0.65 = 0.81   Detection limit :0.81   Tokyo Met.   Saitama Pref.   6 Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   50  |   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 1.4            | 0.81            |
| Detection Frequency (sample):16/24(Missing value:1)   Detection range: nd ~ 570   Saitama Pref.   5   Tonekamorne-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)   50   0.8   | Detailed Environmental Survey/surface water (ng/L)    |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 4.5            | 0.81            |
| Detection range :nd ~ 570  | Detection Frequency (site) :16/24(Missing value :1)   | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 45             | 0.81            |
| Detection limit range :0.65 ~ 0.81   | Detection Frequency (sample) :16/24(Missing value :1) | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection limit :0.81  | Detection range :nd ~ 570                             | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 50             | 0.81            |
| Requested Detection limit :-   9   Mouth of Riv. Sumida(Minato Ward)   2.6   0.8     10   Yokohama City   10   Yokohama Port   6.9   0.8     11   Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   8.9   0.8     Niigata Pref.   12   Lower Riv. Shinano(Niigata City)   nd   0.6     Nagano Pref.   13   Lake Suwa(center)   nd   0.8     Shizuoka Pref.   14   Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)   44   0.8     Aichi Pref.   15   Nagoya Port, West of Shiomi Wharf   nd   0.8     Nagoya City   16   Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   570   0.8     Mie Pref.   17   Yokkaichi Port   15   0.8     Kyoto City   18   Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)   23   0.8     Osaka City   19   Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)   4.1   0.8     20   Osaka Port         Kobe City   21   Kobe Port(center)   2.0   0.8     Okayama Pref.   22   Offshore of Mizushima   nd   0.8     Yamaguchi Pref.   23   Offshore of Hagi   nd   0.8     Nagoya City   14   0.8     Offshore of Hagi   0.8     Offshore of Hagi   0.8     Osaka City   0.8   0.8     Osaka City   0.8   0.8     Osaka City   0.8   0.8     Offshore of Hagi   0.8   0.8     Offshore of Hagi   0.8     Osaka City   0.8   0.8     Offshore of Hagi   0.8     Osaka City   0.8     Offshore of Hagi   0.8     Osaka City   0.8     Osaka City   0.8     Offshore of Hagi   0.8     Osaka City   0.8     Osaka City   0.8     Offshore of Hagi   0.8     Osaka City   0.8     Osaka City   0.8     Offshore of Hagi   0.8     Osaka City   0.8     Osaka City   0.8     Osaka City   0.8     Offshore of Hagi   0.8     Osaka City          | Detection limit range :0.65~0.81                      |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 11             | 0.81            |
| Yokohama City         10         Yokohama Port         6.9         0.8           11         Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)         8.9         0.8           Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         nd         0.6           Nagano Pref.         13         Lake Suwa(center)         nd         0.8           Shizuoka Pref.         14         Shinawa-bashi Bridge, Riv. Ho(Hamamatsu City)         44         0.8           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.8           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port              Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi   | Detection limit :0.81                                 | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| 11   Kamenoko-bashi Bridge, Riv. Tsurumi(Yokohama City)   8.9   0.8  | Requested Detection limit : -                         |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 2.6            | 0.81            |
| Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         nd         0.6           Nagano Pref.         13         Lake Suwa(center)         nd         0.8           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         44         0.8           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.8           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Yokohama City   | 10 | Yokohama Port   | 6.9            | 0.81            |
| Nagano Pref.         13         Lake Suwa(center)         nd         0.8           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         44         0.8           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.8           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port              Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 8.9            | 0.81            |
| Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         44         0.8           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.8           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
| Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.8           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.81            |
| Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         570         0.8           Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8   |   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 44             | 0.81            |
| Mie Pref.         17         Yokkaichi Port         15         0.8           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
| Kyoto City         18         Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)         23         0.8           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 570            | 0.81            |
| Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8   |   | Mie Pref.       | 17 | Yokkaichi Port  | 15             | 0.81            |
| Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         4.1         0.8           20         Osaka Port             Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8   |   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 23             | 0.81            |
| Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   | Osaka City      | 19 |   | 4.1            | 0.81            |
| Kobe City         21         Kobe Port(center)         2.0         0.8           Okayama Pref.         22         Offshore of Mizushima         nd         0.8           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.8  |   |                 | 20 | Osaka Port  |                |                 |
| Okayama Pref. 22 Offshore of Mizushima nd 0.8 Yamaguchi Pref. 23 Offshore of Hagi nd 0.8   |   | Kobe City       |    |   |                | 0.81            |
| Yamaguchi Pref. 23 Offshore of Hagi nd 0.8   |   | •               |    | ` '   |                | 0.81            |
|  |   | 1               |    |   |                | 0.81            |
| гикиока Сиу   24   глакана фау   nd   0.8  |   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.81            |
|  |   |                 |    |   |                | 0.81            |

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           | No  | Monitored sites   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| raiget chemicals                                      | communities     | 110 | Womored sites   | Sample1        | Detection limit |
| [1-4-14] tetradeca (oxyethylene) dodecyl ether        | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 3.1            | 0.93            |
|   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | 2.0            | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 5.4            | 0.93            |
| Detection Frequency (site) :16/24(Missing value :1)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 42             | 0.93            |
| Detection Frequency (sample) :16/24(Missing value :1) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd ~ 760                             | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 48             | 0.93            |
| Detection limit range :0.93~ 1.1                      |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 9.1            | 0.93            |
| Detection limit :1.1                                  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             |                |                 |
|   | Yokohama City   | 10  | Yokohama Port   | 5.8            | 0.93            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 9.9            | 0.93            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.93            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 42             | 0.93            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 760            | 0.93            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 12             | 0.93            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 23             | 0.93            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 3.4            | 0.93            |
|   |                 | 20  | Osaka Port  | nd             | 0.93            |
|   | Kobe City       | 21  | Kobe Port(center)   | 1.5            | 0.93            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.93            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.93            |
|   | Fukuoka City    | 24  | Hakata Bay  | 2.5            | 0.93            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 51             | 0.93            |
| [1-4-15] pentadeca (oxyethylene) dodecyl ether        | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)    |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | 11             | 1.2             |
| Detection Frequency (site) :14/24(Missing value :1)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | 80             | 1.2             |
| Detection Frequency (sample) :14/24(Missing value :1) | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 2,100                           | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 150            | 1.2             |
| Detection limit range :0.81~1.2                       |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | 23             | 1.2             |
| Detection limit :1.2                                  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                         |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 8.3            | 1.2             |
|   | Yokohama City   | 10  | Yokohama Port   | 19             | 1.2             |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 30             | 1.2             |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 95             | 1.2             |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 2,100          | 1.2             |
|   | Mie Pref.       | 17  | Yokkaichi Port  | 32             | 1.2             |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | 78             | 1.2             |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 10             | 1.2             |
|   |                 | 20  | Osaka Port  |                |                 |
|   | Kobe City       | 21  | Kobe Port(center)   | nd             | 1.2             |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 1.2             |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 1.2             |
|   | Fukuoka City    | 24  | Hakata Bay  | 8.9            | 1.2             |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 150            | 1.2             |

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           | No  | Monitored sites   | Measured value | Reported        |
|--|-----------------|-----|---|----------------|-----------------|
| , and the second | communities     | 110 | Monitor Sites   | Sample1        | Detection limit |
| (reference value)[1-5] poly(oxyethylene) tridecyl ether (The   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | **12            |
| polymerisation degree of the oxyethylenes: 1-15)   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | **12            |
|  |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | **12            |
| Detection Frequency (site) :1/25(Missing value :0)   | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | **12            |
| Detection Frequency (sample) :1/25(Missing value :0)   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | **12            |
| Detection range :nd ~ 30   |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | **12            |
| Detection limit range :12~23   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | **12            |
| Detection limit :23  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | **12            |
| Requested Detection limit : -  | Yokohama City   | 10  | Yokohama Port   | nd             | **12            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | **12            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | **23            |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | **12            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 30             | **12            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | **12            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | **12            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | **12            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | **12            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | **12            |
|  |                 | 20  | Osaka Port  | nd             | **12            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | **12            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | **12            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | **12            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | **12            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | **12            |
| (reference value)[1-5-1]mono (oxyethylene) tridecyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)   |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :2/25(Missing value :0)   | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :2/25(Missing value :0)   | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 5.6  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 5.2   |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :0.94  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 0.94            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 5.6            | 5.2             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.94            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.8            | 0.94            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.94            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|  |                 | 20  | Osaka Port  | nd             | 0.94            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.94            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \*\* : indicates the sum value of the Detection limits of each degree of polymerization.

| Target chemicals  | Local           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
|   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-5-2] di (oxyethylene) tridecyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)        |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)        | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)      | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 4.1                                 | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :1.2~ 2.2                           |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :2.2                                      | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                             |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 2.2             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.1            | 1.2             |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|   |                 | 20 | Osaka Port  | nd             | 1.2             |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| (reference value)[1-5-3] tri (oxyethylene) tridecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)        |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection Frequency (site) :3/25(Missing value :0)        | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection Frequency (sample) :3/25(Missing value :0)      | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection range :nd ~ 3.2                                 | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Detection limit range :0.49~ 0.84                         |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Detection limit :0.84                                     | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Requested Detection limit : -                             |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.84            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.84            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 0.85           | 0.49            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.84            |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.84            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.2            | 0.84            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1.0            | 0.84            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.84            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
|   |                 | 20 | Osaka Port  | nd             | 0.84            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.84            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.84            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.84            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.84            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.84            |
|   | , azaki i ici.  |    |   | .iu            | 0.01            |

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           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
|   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-5-4] tetra (oxyethylene) tridecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.73            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.73            |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.73            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd ~ 3.3                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                           |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.73            |
| Detection limit :1.3  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.73            |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.73            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.73            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.73            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.73            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.3            | 0.73            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *1.2           | 0.73            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.73            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.73            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.73            |
|   |                 | 20 | Osaka Port  | nd             | 0.73            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.73            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.73            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.73            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.73            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.73            |
| (reference value)[1-5-5] penta (oxyethylene) tridecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.76            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.76            |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.76            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd ~ 2.5                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.76            |
| Detection limit range :0.76~ 1.7                            |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.76            |
| Detection limit :1.7  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.76            |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.76            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.76            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.76            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.76            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 2.5            | 0.76            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.76            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *0.88          | 0.76            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.76            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.76            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.76            |
|   |                 | 20 | Osaka Port  | nd             | 0.76            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.76            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.76            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.76            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.76            |
|   |                 |    |   |                |                 |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| m   | Local           |    | W 20 12   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| Target chemicals  | communities     | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-5-6] hexa (oxyethylene) tridecyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.53            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.53            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.53            |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.53            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.53            |
| Detection range :nd ~ 1.9                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.53            |
| Detection limit range :0.53~ 1.4                            |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.53            |
| Detection limit :1.4  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.53            |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.53            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.53            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.53            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.4             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.53            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.9            | 0.53            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.53            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *0.60          | 0.53            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.53            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.53            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.53            |
|   |                 | 20 | Osaka Port  | nd             | 0.53            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.53            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.53            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.53            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.53            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.53            |
|   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.59            |
| (reference value)[1-5-7] hepta (oxyethylene) tridecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)          |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.59            |
| Detection Frequency (site) :1/25(Missing value :0)          | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.59            |
| Detection Frequency (sample) :1/25(Missing value :0)        | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.59            |
| Detection range :nd ~ 1.8                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.59            |
| Detection limit range :0.59~1.6                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.59            |
| Detection limit :1.6  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.59            |
| Requested Detection limit : -                               |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.59            |
| •   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.59            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.59            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.59            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.8            | 0.59            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.59            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.59            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.59            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.59            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.59            |
|   |                 | 20 | Osaka Port  | nd             | 0.59            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.59            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.59            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.59            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.59            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.59            |
|   | 1 1             |    |   | 1              |                 |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

| Target chemicals   | Local                           | No   | Monitored sites   | Measured value | Reported        |
|--|---------------------------------|--|---|----------------|-----------------|
| Target ellermeats  | communities                     | 140  | Wontored Sites  | Sample1        | Detection limit |
| (reference value)[1-5-8] octa (oxyethylene) tridecyl ether | Hokkaido                        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.39            |
|  |                                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.39            |
| Detailed Environmental Survey/surface water (ng/L)         |                                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.39            |
| Detection Frequency (site) :0/25(Missing value :0)         | Akita Pref.                     | 4  | Akita Canal(Akita City)                                       | nd             | 0.39            |
| Detection Frequency (sample) :0/25(Missing value :0)       | Ibaraki Pref.                   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.39            |
| Detection range :nd  | Saitama Pref.                   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.39            |
| Detection limit range :0.39~ 1.6                           |                                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.39            |
| Detection limit :1.6                                       | Tokyo Met.                      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.39            |
| Requested Detection limit : -                              |                                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.39            |
|  | Yokohama City                   | 10   | Yokohama Port   | nd             | 0.39            |
|  |                                 | 11   | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.6             |
|  | Niigata Pref.                   | 12   | Lower Riv. Shinano(Niigata City)                              | nd             | 0.39            |
|  | Nagano Pref.                    | 13   | Lake Suwa(center)   | nd             | 0.39            |
|  | Shizuoka Pref.                  | 14   | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | *1.4           | 0.39            |
|  | Aichi Pref.                     | 15   | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.39            |
|  | Nagoya City                     | 16   | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *0.68          | 0.39            |
|  | Mie Pref.                       | 17   | Yokkaichi Port  | nd             | 0.39            |
|  | Kyoto City                      | 18   | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.39            |
|  | Osaka City                      | 19   | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.39            |
|  |                                 | 20   | Osaka Port  | nd             | 0.39            |
|  | Kobe City                       | 21   | Kobe Port(center)   | nd             | 0.39            |
|  | Okayama Pref.                   | 22   | Offshore of Mizushima   | nd             | 0.39            |
|  | Yamaguchi Pref.                 | 23   | Offshore of Hagi  | nd             | 0.39            |
|  | Fukuoka City                    | 24   | Hakata Bay  | nd             | 0.39            |
|  | Miyazaki Pref.                  | 25   | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.39            |
|  | Hokkaido                        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.60            |
| (reference value)[1-5-9] nona (oxyethylene) tridecyl ether |                                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.60            |
| Detailed Environmental Survey/surface water (ng/L)         |                                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.60            |
| Detection Frequency (site) :1/25(Missing value :0)         | Akita Pref.                     | 4  | Akita Canal(Akita City)                                       | nd             | 0.60            |
| Detection Frequency (sample) :1/25(Missing value :0)       | Ibaraki Pref.                   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection range :nd ~ 1.3                                  | Saitama Pref.                   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.60            |
| Detection limit range :0.60~ 0.95                          |                                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.60            |
| Detection limit :0.95                                      | Tokyo Met.                      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.60            |
| Requested Detection limit : -                              |                                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.60            |
|  | Yokohama City                   | 10   | Yokohama Port   | nd             | 0.60            |
|  |                                 | 11   | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.60            |
|  | Niigata Pref.                   | 12   | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
|  | Nagano Pref.                    | 13   | Lake Suwa(center)   | nd             | 0.60            |
|  | Shizuoka Pref.                  | 14   | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.3            | 0.60            |
|  | Aichi Pref.                     | 15   | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
|  | Nagoya City                     | 16   | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.60            |
|  | Mie Pref.                       | 17   | Yokkaichi Port  | nd             | 0.60            |
|  | Kyoto City                      | 18   | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.60            |
|  | Osaka City                      | 19   | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.60            |
|  |                                 | 20   | Osaka Port  | nd             | 0.60            |
|  | Kobe City                       | 21   | Kobe Port(center)   | nd             | 0.60            |
|  | Okayama Pref.                   | 22   | Offshore of Mizushima   | nd             | 0.60            |
|  |                                 | <del>                                     </del> |   |                |                 |
|  | Yamaguchi Pref.                 | 23   | Offshore of Hagi  | nd             | 0.60            |
|  | Yamaguchi Pref.<br>Fukuoka City | 23<br>24   | Offshore of Hagi<br>Hakata Bay                                | nd<br>nd       | 0.60            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| Target chemicals  | Local           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| g   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-5-10] deca (oxyethylene) tridecyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.82            |
| (continue value)[1 5 10] deed (only empheric) and estimates   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.82            |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.82            |
| Detection Frequency (sample) :1/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd ~ 1.7                                     | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.82            |
| Detection limit range :0.82~ 1.1                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.82            |
| Detection limit :1.1  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.82            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.82            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.82            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.82            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.7            | 0.82            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | *0.85          | 0.82            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.82            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.82            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.82            |
|   |                 | 20 | Osaka Port  | nd             | 0.82            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.82            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.82            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.82            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.82            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.82            |
| (reference value)[1-5-11] undeca (oxyethylene) tridecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :1/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :1/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 1.3                                     | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 1.3                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :1.3  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.3            | 0.94            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|   |                 | 20 | Osaka Port  | nd             | 0.94            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |
|   | ,               | 23 |   | .iu            | U.)-T           |

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: Estimated value based on industrial products.

(Note 5) \* : reference value (less then unified detection limit)

| Target chemicals   | Local           | No  | Monitored sites   | Measured value | Reported        |
|--|-----------------|-----|---|----------------|-----------------|
| raiget enemicals   | communities     | 110 | Wondord sites   | Sample1        | Detection limit |
| (reference value)[1-5-12] dodeca (oxyethylene) tridecyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.0             |
| (reference varue)[1-5-12] doucea (oxyemyteine) indecyr einer   |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)             |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :0/25(Missing value :0)             | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 1.0             |
| Detection Frequency (sample) :0/25(Missing value :0)           | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.0             |
| Detection limit range :1.0~1.2                                 |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                                  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 1.0             |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 1.0             |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | *1.0           | 1.0             |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.0             |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 1.0             |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|  |                 | 20  | Osaka Port  | nd             | 1.0             |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 1.0             |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 1.0             |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 1.0             |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 1.0             |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.0             |
| (f.,,,,,,,   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
| (reference value)[1-5-13] trideca (oxyethylene) tridecyl ether |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)             |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :2/25(Missing value :0)             | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 0.81            |
| Detection Frequency (sample) :2/25(Missing value :0)           | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd ~ 1.6                                      | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65~0.81                               |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                                  |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 0.81            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.81            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 1.6            | 0.81            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1.1            | 0.81            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.81            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|  |                 | 20  | Osaka Port  | nd             | 0.81            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.81            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.81            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.81            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.81            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.81            |

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: Estimated value based on industrial products.

(Note 5) \* : reference value (less then unified detection limit)

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| g  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-5-14] tetradeca (oxyethylene) tridecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.93            |
| (teresence value)[1 5 1 1] terracea (expensivence) anaceyr emer  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)               |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.93            |
| Detection Frequency (site) :0/25(Missing value :0)               | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.93            |
| Detection Frequency (sample) :0/25(Missing value :0)             | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.93            |
| Detection limit range :0.93 ~ 1.1                                |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.93            |
| Detection limit :1.1   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                                    |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.93            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.93            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.93            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.93            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.93            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.93            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.93            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.93            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.93            |
|  |                 | 20 | Osaka Port  | nd             | 0.93            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.93            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.93            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.93            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.93            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.93            |
|  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
| (reference value)[1-5-15] pentadeca (oxyethylene) tridecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)               |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :1/25(Missing value :0)               | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :1/25(Missing value :0)             | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd ~ 2.8  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :0.81 ~ 1.2                                |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                    |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 2.8            | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd<br>nd       | 1.2             |
|  | Osaka City      | 20 | Osaka Port  | nd             | 1.2             |
|  | Voho City       |    |   |                |                 |
|  | Kobe City       | 21 | Kobe Port(center)   | nd<br>nd       | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd<br>d        | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |

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                 | No       | Monitored sites   | Measured value | Reported        |
|--|-----------------------|----------|---|----------------|-----------------|
| Target ellerinears   | communities           | 110      | Wollkored Sites   | Sample1        | Detection limit |
| (reference value)[1-6] poly(oxyethylene) tetradecyl ether (The | Hokkaido              | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                               | *15            | **12            |
| polymerisation degree of the oxyethylenes: 1-15)               |                       | 2        | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)   | nd             | **12            |
|  |                       | 3        | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)             | Akita Pref.           | 4        | Akita Canal(Akita City)   | 34             | **12            |
| Detection Frequency (site) :3/25(Missing value :0)             | Ibaraki Pref.         | 5        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                                    | nd             | **12            |
| Detection Frequency (sample) :3/25(Missing value :0)           | Saitama Pref.         | 6        | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | *20            | **12            |
| Detection range :nd ~ 137                                      |                       | 7        | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)   | nd             | **12            |
| Detection limit range :12~23                                   | Tokyo Met.            | 8        | Mouth of Riv. Arakawa(Koto Ward)  | nd             | **12            |
| Detection limit :23  |                       | 9        | Mouth of Riv. Sumida(Minato Ward)   | nd             | **12            |
| Requested Detection limit : -                                  | Yokohama City         | 10       | Yokohama Port   | nd             | **12            |
|  |                       | 11       | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   | nd             | **12            |
|  | Niigata Pref.         | 12       | Lower Riv. Shinano(Niigata City)  | nd             | **23            |
|  | Nagano Pref.          | 13       | Lake Suwa(center)   | nd             | **12            |
|  | Shizuoka Pref.        | 14       | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)  | 59             | **12            |
|  | Aichi Pref.           | 15       | Nagoya Port , West of Shiomi Wharf  | nd             | **12            |
|  | Nagoya City           | 16       | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   | 137            | **12            |
|  | Mie Pref.             | 17       | Yokkaichi Port  | *16            | **12            |
|  | Kyoto City            | 18       | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)   | nd             | **12            |
|  | Osaka City            | 19       | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  | nd             | **12            |
|  | ,                     | 20       | Osaka Port  | nd             | **12            |
|  | Kobe City             | 21       | Kobe Port(center)   | nd             | **12            |
|  | Okayama Pref.         | 22       | Offshore of Mizushima   | nd             | **12            |
|  | Yamaguchi Pref.       | 23       | Offshore of Hagi  | nd             | **12            |
|  | Fukuoka City          | 24       | Hakata Bay  | nd             | **12            |
|  | Miyazaki Pref.        | 25       | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                                    | *13            | **12            |
| (reference value)[1-6-1] mono (oxyethylene) tetradecyl ether   | Hokkaido              | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                               | *0.96          | 0.94            |
|  |                       | 2        | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)   | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)             |                       | 3        | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   | nd             | 0.94            |
| Detection Frequency (site):1/25(Missing value:0)               | Akita Pref.           | 4        | Akita Canal(Akita City)   | *1.0           | 0.94            |
| Detection Frequency (sample) :1/25(Missing value :0)           | Ibaraki Pref.         | 5        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                                    | nd             | 0.94            |
| Detection range :nd ~ 5.7                                      | Saitama Pref.         | 6        | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | nd             | 0.94            |
| Detection limit range :0.94~ 5.2                               |                       | 7        | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)   | nd             | 0.94            |
| Detection limit: 5.2   | Tokyo Met.            | 8        | Mouth of Riv. Arakawa(Koto Ward)  | nd             | 0.94            |
| Requested Detection limit : -                                  | Tonyo men             | 9        | Mouth of Riv. Sumida(Minato Ward)   | *1.5           | 0.94            |
| requested Selection many.                                      | Yokohama City         | 10       | Yokohama Port   | nd             | 0.94            |
|  | Tonomana eny          | 11       | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   | *0.96          | 0.94            |
|  | Niigata Pref.         | 12       | Lower Riv. Shinano(Niigata City)  | nd             | 5.2             |
|  | Nagano Pref.          | 13       | Lake Suwa(center)   | nd             | 0.94            |
|  | Shizuoka Pref.        | 14       | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)  | *2.2           | 0.94            |
|  | Aichi Pref.           | 15       | Nagoya Port , West of Shiomi Wharf  | nd             | 0.94            |
|  |                       | 16       | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   | 5.7            | 0.94            |
|  | Nagoya City Mie Pref. | 17       | Yokkaichi Port  | nd             | 0.94            |
|  |                       |          |   |                |                 |
|  | Kyoto City            | 18<br>19 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)  Kema-bashi Bridge, Riv. Oh-kawa (Osaka City) | nd             | 0.94            |
|  | Osaka City            |          | , ,,  | nd<br>*1.1     | 0.94            |
|  | Value City            | 20       | Osaka Port  | *1.1           | 0.94            |
|  | Kobe City             | 21       | Kobe Port(center)   | *1.9           | 0.94            |
|  | Okayama Pref.         | 22       | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref.       | 23       | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City          | 24       | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.        | 25       | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                                    | nd             | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

(excluded value from the subject of aggregation)

(Note 6) \*\*: indicates the sum value of the Detection limits of each degree of polymerization.

|  | Target chemicals  | Local           | No  | Monitored sites   | Measured value | Reported        |
|--|---|-----------------|-----|---|----------------|-----------------|
| Columnity   Colu | Target ellermeats   | communities     | 110 | Wollkored Sites   | Sample1        | Detection limit |
|  | (reference value)[1-6-2] di (ovvethylene) tetradecyl ether  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
| Askin Perc   | (reference varue)[1-0-2] ut (oxyethylene) tetradecyr ether  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Descrion range not no - 7.6   Descrion range not no - 7.6   Salid- mark Perf.   5   Salid- mark Perf.   6   Salid- mark Ref.g., Neur Yamang Khiki City)   nd   1.2   | Detailed Environmental Survey/surface water (ng/L)          |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Section range and -7.6   Decetion into range 12 - 2.2   Takyo Met.   Subsisients Risidge, Riv. YanusedShiki City)  | Detection Frequency (site) :2/25(Missing value :0)          | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Decection limit 1 2 2   Tokyo Mc.   7   Kacile-heard Beidge, Rev. Islanot Yoshima (1990)   nd   1.2  | Detection Frequency (sample) :2/25(Missing value :0)        | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| December   December  | Detection range :nd ~ 7.6                                   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Packet   P | Detection limit range :1.2~2.2                              |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Volobama Pert   10   Volobama Pert   10   Volobama Pert   11   Sumeroido-Sabali Ridge, Riv, Traumint/Volobama City)   nd   1.2   | Detection limit :2.2  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Page   | Requested Detection limit : -                               |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
| Nigata Pref.   12   Jower Riv. ShinaneNigata City)   |   | Yokohama City   | 10  | Yokohama Port   | nd             | 1.2             |
| Nigano Peef   13   Sales Suns(enter)   14   Shirkows Peef   14   Shirk |   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
| Shiraoka Peda  |   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 2.2             |
| Aichi Pref.   15   Nagoya Pert , West of Shiomi Wharf   nd   1.2   |   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 1.2             |
| Ngoya City   16  |   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.7            | 1.2             |
| Mine Pref.   17  |   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  |   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 7.6            | 1.2             |
| Daska City   10   Nema-bashi Bridge, Riv. Oh-kawa (Osaka City)   nd   1.2  |   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 1.2             |
| Part   |   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
| Rober City   21   Robe Port(center)   nd   1.2   |   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
| Display   Pref.   22   Offshore of Mizashima   nd   1.2  |   |                 | 20  | Osaka Port  | *1.4           | 1.2             |
|  |   | Kobe City       | 21  | Kobe Port(center)   | nd             | 1.2             |
| Fukuoka City   24   Hakata Bay   |   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 1.2             |
| Miyazaki Pef.   25   Torjaakub-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   nd   0.84   |   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 1.2             |
| Feference value  1-6-3  tri (oxyethylene) tetradecyl ether   Feference value  1-6-3  tri (oxyethylene) tri (oxyet |   | Fukuoka City    | 24  | Hakata Bay  | nd             | 1.2             |
| Cereference value  1-6-3  tri (oxyethylene) tetradecyl ether   |   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)   |   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
| Detection Frequency (site) :5/25 (Missing value :0)  | (reference value)[1-6-3] tri (oxyethylene) tetradecyl ether |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detection Frequency (sample): 5/25/(Missing value:0)   Detection range: nd ~ 6.9   Saitama Pref.   5   Shiki-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)   nd   0.84   | Detailed Environmental Survey/surface water (ng/L)          |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection range :nd - 6.9   Saitama Pref.   6   Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   nd   0.84  | Detection Frequency (site) :5/25(Missing value :0)          | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection limit range : 0.49 - 0.84   Tokyo Met.   Toky | Detection Frequency (sample) :5/25(Missing value :0)        | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection limit : 0.84           Requested Detection limit : -         Tokyo Met.         8         Mouth of Riv. Arakawa(Koto Ward)         nd         0.84           Yokohama City         Yokohama City         10         Yokohama Port         nd         0.84           Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         1.1         0.49           Nagano Pref.         13         Lake Suwa(center)         nd         0.84           Shizuoka Pref.         14         Shinawa-bashi Bridge, Riv. Ho(Hamamatsu City)         3.2         0.84           Aichi Pref.         15         Nagoya Port, West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mic Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Vamaguchi Pref.         23         Offshore of Mizushima         nd         0.84   | Detection range :nd ~ 6.9                                   | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Page    | Detection limit range :0.49~ 0.84                           |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Yokohama City         10         Yokohama Port         nd         0.84           11         Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)         nd         0.84           Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         1.1         0.49           Nagano Pref.         13         Lake Suwa(center)         nd         0.84           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         3.2         0.84           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84   | Detection limit :0.84                                       | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Niigata Pref.   12   Lower Riv. Shinano(Niigata City)   1.1   0.49   | Requested Detection limit : -                               |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | 1.0            | 0.84            |
| Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         1.1         0.49           Nagano Pref.         13         Lake Suwa(center)         nd         0.84           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         3.2         0.84           Aichi Pref.         15         Nagoya Port, West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84  |   | Yokohama City   | 10  | Yokohama Port   | nd             | 0.84            |
| Nagano Pref.         13         Lake Suwa(center)         nd         0.84           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         3.2         0.84           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.84            |
| Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         3.2         0.84           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | 1.1            | 0.49            |
| Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.84           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.84            |
| Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         6.9         0.84           Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.2            | 0.84            |
| Mie Pref.         17         Yokkaichi Port         nd         0.84           Kyoto City         18         Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84  |   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
| Kyoto City         18         Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)         nd         0.84           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84  |   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 6.9            | 0.84            |
| Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.84           20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84  |   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.84            |
| 20         Osaka Port         nd         0.84           Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
| Kobe City         21         Kobe Port(center)         0.91         0.84           Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
| Okayama Pref.         22         Offshore of Mizushima         nd         0.84           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84  |   |                 | 20  | Osaka Port  | nd             | 0.84            |
| Yamaguchi Pref.         23         Offshore of Hagi         nd         0.84           Fukuoka City         24         Hakata Bay         nd         0.84   |   | Kobe City       | 21  | Kobe Port(center)   | 0.91           | 0.84            |
| Fukuoka City 24 Hakata Bay nd 0.84   |   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.84            |
|  |   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.84            |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) nd 0.84   |   | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.84            |
|  |   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.84            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| T   | Local           | 3.7 | W 20 12   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| Target chemicals  | communities     | No  | Monitored sites   | Sample1        | Detection limit |
| (c.f. company) (c.f. (Alasta (company)) (c.f. company)        | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.73            |
| (reference value)[1-6-4] tetra (oxyethylene) tetradecyl ether |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.73            |
| Detection Frequency (site) :2/25(Missing value :0)            | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | *0.84          | 0.73            |
| Detection Frequency (sample) :2/25(Missing value :0)          | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.73            |
| Detection range :nd ~ 6.0                                     | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                             |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.73            |
| Detection limit :1.3  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.73            |
| Requested Detection limit : -                                 |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.73            |
|   | Yokohama City   | 10  | Yokohama Port   | nd             | 0.73            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.73            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.73            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 2.7            | 0.73            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.73            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 6.0            | 0.73            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.73            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.73            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.73            |
|   |                 | 20  | Osaka Port  | nd             | 0.73            |
|   | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.73            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.73            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.73            |
|   | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.73            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.73            |
|   | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | *0.98          | 0.76            |
| (reference value)[1-6-5] penta (oxyethylene) tetradecyl ether |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.76            |
| Detection Frequency (site) :2/25(Missing value :0)            | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | *1.1           | 0.76            |
| Detection Frequency (sample) :2/25(Missing value :0)          | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.76            |
| Detection range :nd ~ 4.5                                     | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.76            |
| Detection limit range :0.76~ 1.7                              |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.76            |
| Detection limit :1.7  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.76            |
| Requested Detection limit : -                                 | ,               | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.76            |
|   | Yokohama City   | 10  | Yokohama Port   | nd             | 0.76            |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.76            |
|   | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.7             |
|   | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.76            |
|   | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 2.8            | 0.76            |
|   | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.76            |
|   | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.5            | 0.76            |
|   | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.76            |
|   | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.76            |
|   | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.76            |
|   |                 | 20  | Osaka Port  | nd             | 0.76            |
|   | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.76            |
|   | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.76            |
|   | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.76            |
|   | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.76            |
|   | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.76            |
|   |                 |     |   | 1              |                 |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| Tour Ashamirals   | Local              | NT. | Markenstein   | Measured value | Reported        |
|---|--------------------|-----|---|----------------|-----------------|
| Target chemicals  | communities        | No  | Monitored sites   | Sample1        | Detection limit |
| (of any analysis of the sector) to the dead of the            | Hokkaido           | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | *1.3           | 0.53            |
| (reference value)[1-6-6] hexa (oxyethylene) tetradecyl ether  |                    | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.53            |
| Detailed Environmental Survey/surface water (ng/L)            |                    | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.53            |
| Detection Frequency (site) :3/25(Missing value :0)            | Akita Pref.        | 4   | Akita Canal(Akita City)                                       | 1.5            | 0.53            |
| Detection Frequency (sample) :3/25(Missing value :0)          | Ibaraki Pref.      | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.53            |
| Detection range :nd ~ 3.5                                     | Saitama Pref.      | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.53            |
| Detection limit range :0.53 ~ 1.4                             |                    | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.53            |
| Detection limit :1.4  | Tokyo Met.         | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.53            |
| Requested Detection limit : -                                 |                    | 9   | Mouth of Riv. Sumida(Minato Ward)                             | *0.58          | 0.53            |
|   | Yokohama City      | 10  | Yokohama Port   | *0.64          | 0.53            |
|   |                    | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.53            |
|   | Niigata Pref.      | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.4             |
|   | Nagano Pref.       | 13  | Lake Suwa(center)   | nd             | 0.53            |
|   | Shizuoka Pref.     | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.0            | 0.53            |
|   | Aichi Pref.        | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.53            |
|   | Nagoya City        | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 3.5            | 0.53            |
|   | Mie Pref.          | 17  | Yokkaichi Port  | *0.59          | 0.53            |
|   | Kyoto City         | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.53            |
|   | Osaka City         | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.53            |
|   |                    | 20  | Osaka Port  | nd             | 0.53            |
|   | Kobe City          | 21  | Kobe Port(center)   | nd             | 0.53            |
|   | Okayama Pref.      | 22  | Offshore of Mizushima   | nd             | 0.53            |
|   | Yamaguchi Pref.    | 23  | Offshore of Hagi  | nd             | 0.53            |
|   | Fukuoka City       | 24  | Hakata Bay  | nd             | 0.53            |
|   | Miyazaki Pref.     | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.53            |
|   | Hokkaido           | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 1.7            | 0.59            |
| (reference value)[1-6-7] hepta (oxyethylene) tetradecyl ether |                    | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)            |                    | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.59            |
| Detection Frequency (site) :4/25(Missing value :0)            | Akita Pref.        | 4   | Akita Canal(Akita City)                                       | 2.2            | 0.59            |
| Detection Frequency (sample) :4/25(Missing value :0)          | Ibaraki Pref.      | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.59            |
| Detection range :nd ~ 3.5                                     | Saitama Pref.      | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.59            |
| Detection limit range :0.59~1.6                               |                    | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.59            |
| Detection limit :1.6  | Tokyo Met.         | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.59            |
| Requested Detection limit : -                                 | ĺ                  | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.59            |
|   | Yokohama City      | 10  | Yokohama Port   | *0.63          | 0.59            |
|   |                    | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.59            |
|   | Niigata Pref.      | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|   | Nagano Pref.       | 13  | Lake Suwa(center)   | nd             | 0.59            |
|   | Shizuoka Pref.     | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.5            | 0.59            |
|   | Aichi Pref.        | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.59            |
|   | Nagoya City        | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 3.2            | 0.59            |
|   | Mie Pref.          | 17  | Yokkaichi Port  | *0.90          | 0.59            |
|   | Kyoto City         | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.59            |
|   | Osaka City         | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.59            |
|   |                    | 20  | Osaka Port  | nd             | 0.59            |
|   | Kobe City          | 21  | Kobe Port(center)   | nd             | 0.59            |
|   | Okayama Pref.      | 22  | Offshore of Mizushima   | nd             | 0.59            |
|   | Yamaguchi Pref.    | 23  | Offshore of Hagi  | nd             | 0.59            |
|   | Fukuoka City       | 24  | Hakata Bay  | nd             | 0.59            |
|   | Miyazaki Pref.     | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.59            |
|   | ivily azaki i ici. | 23  | 1 originaco ousin Driago, Kiv. I sajinodou(Kobayasin City)    | iiu            | 0.37            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

|  | Toront showingle   | Local          | Ma | Monitored sites   | Measured value | Reported        |
|--|--|----------------|----|---|----------------|-----------------|
| Definited Environmental Surveyluriface water (ng L)   2   Summa-abash Bridge, Riv. Trakesh(ORBin City)   rid   0.39  | rarget chemicals   | communities    | NO | wiointored sites  | Sample1        | Detection limit |
| Detection Progressor (10th   27,500 kming value 0)   | (reference velve)[1,6,9] cete (exceptivlene) tetradecul ether  | Hokkaido       | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 1.8            | 0.39            |
| Decetion Frequency (anthy-1425/filosing value: 0)   Decetion Frequency (anthy-1425/filosing value: 0)   Decetion from gas 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 6   Salaka characteristic interlines and 4: 48   Salama Pref. 10   Salama Pref. 10   Salama Pref. 11   Salama Pref. 12   Lover Riv. Salama Pref. 13   Salama Pref. 14   Salama Pref. 15   Salama Pref. 15   Salama Pref. 15   Salama Pref. 16   Salama Pref. 16   Salama Pref. 16   Salama Pref. 16   Salama Pref. 17   Salama Pref. 17   Salama Pref. 18   Salama Pref. 18   Salama Pref. 19   Salama Pref | (leterence value)[1-0-0] octa (oxyettiylene) tetradecyi ettler |                | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.39            |
| Decetion image and -4.8   Saltiman Prof.   5   Southammore-density Richge, Month of Riv. Track/Kamina City)   md   0.33  | Detailed Environmental Survey/surface water (ng/L)             |                | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.39            |
| Detection range and -4.8   Soittamn Pref.   6   Shiki-whatii Bridge, Riv. YamaneShika City)  | Detection Frequency (site) :4/25(Missing value :0)             | Akita Pref.    | 4  | Akita Canal(Akita City)                                       | 3.3            | 0.39            |
| Detection limit range 0.39 - 1.6   | Detection Frequency (sample) :4/25(Missing value :0)           | Ibaraki Pref.  | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.39            |
| Decection limit : 1-6   Requested Detection limit : -  | Detection range :nd ~ 4.8                                      | Saitama Pref.  | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.39            |
| Post-barran City   Yeshahama City   10   Yeshahama Deri  | Detection limit range :0.39~ 1.6                               |                | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | *0.83          | 0.39            |
| Nigata Pref.   10   Nokohuma Port   11   Nimonoh-Subai Bridge, Riv Tsuruni(Yokohuma City)   40.83   0.33   | Detection limit :1.6   | Tokyo Met.     | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.39            |
| Nigata Perf.   12   Lover Rv. Shimarok-bashi Bridge, Riv. Tsuramit/Vakohama City)   *0.83   0.39   | Requested Detection limit : -                                  |                | 9  | Mouth of Riv. Sumida(Minato Ward)                             | *0.74          | 0.39            |
| Nigata Perf.   12  |  | Yokohama City  | 10 | Yokohama Port   | *1.1           | 0.39            |
| Nagano Pref.   13   Lake Surva(center)   |  |                | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | *0.83          | 0.39            |
| Shizzoka Pref.   14  |  | Niigata Pref.  | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
| Aichi Pref.   15   Nagoya Port, West of Shiomi Wharf   |  | Nagano Pref.   | 13 | Lake Suwa(center)   | nd             | 0.39            |
| Nagoya City  |  | Shizuoka Pref. | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.8            | 0.39            |
| Mie Pref.   17   Yokkaich Port   18   Miyamae-bashi Bridge, Riv. Katsun(Kyoto City)   40,49   0.39   |  | Aichi Pref.    | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.39            |
| Kyuto City   |  | Nagoya City    | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.3            | 0.39            |
| Osaka City   19   Kerna-bashi Bridge, Riv. Ois-kawa (Osaka City)   nd   0.39   |  | Mie Pref.      | 17 | Yokkaichi Port  | *1.4           | 0.39            |
| Rober   City   21   Robe Fort(center)   0.39   |  | Kyoto City     | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | *0.49          | 0.39            |
| Kobe City   21   Kobe Pert(center)   |  | Osaka City     | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.39            |
| Okayama Pref.   22   Offshore of Mizushima   nd   0.39   |  |                | 20 | Osaka Port  | nd             | 0.39            |
| Okayama Pref.   22   Offshore of Mizushima   nd   0.39   |  | Kobe City      | 21 | Kobe Port(center)   | *0.52          | 0.39            |
| Varnaguchi Pref.   23   Offshore of Hagi   |  |                | 22 | Offshore of Mizushima   | nd             | 0.39            |
| Miyazaki Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   *0.52   0.39  |  |                | 23 | Offshore of Hagi  | nd             | 0.39            |
| Miyazaki Pref.   25   Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)   *0.52   0.39  |  | Fukuoka City   | 24 | Hakata Bay  | nd             | 0.39            |
| Ceference value  1-6-9  nona (oxyethylene) tetradecyl ether  |  | Miyazaki Pref. | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | *0.52          | 0.39            |
| Detailed Environmental Survey/surface water (ng/L)   2   Suzuran-ohashi Bridge, Riv. Tokachi(Oblimo City)   nd   0.60  |  | Hokkaido       | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 2.4            | 0.60            |
| Detection Frequency (site) :7/25(Missing value :0)   Detection Frequency (sample) :7/25(Missing value :0)   Ibaraki Pref.   4   Akita Canal(Akita City)   3.3   0.60     Detection Frequency (sample) :7/25(Missing value :0)   Ibaraki Pref.   5   Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)   nd   0.60     Detection limit range :0.60 - 0.95   7   Kachi-hashi Bridge, Riv. Hamper (Shiki City)   1.3   0.60     Detection limit :0.95   7   Kachi-hashi Bridge, Riv. Lehino(Yoshimi Town)   nd   0.60     Requested Detection limit :-   9   Mouth of Riv. Arakawa(Koto Ward)   nd   0.60     Yokohama City   10   Yokohama Port   nd   0.60     Niigata Pref.   12   Lower Riv. Shinano(Niigata City)   nd   0.95     Nagano Pref.   13   Lake Suwa(center)   nd   0.60     Aichi Pref.   15   Nagoya Port, West of Shiomi Wharf   nd   0.60     Aichi Pref.   15   Nagoya Port, West of Shiomi Wharf   nd   0.60     Niigata Pref.   17   Yokkaichi Port   1.1   0.60     Mie Pref.   17   Yokkaichi Port   1.1   0.60     Mie Pref.   17   Yokkaichi Bridge, Riv. Katsura(Kyoto City)   nd   0.60     Osaka City   18   Miyama-bashi Bridge, Riv. Katsura(Kyoto City)   nd   0.60     Nosaka City   19   Kema-bashi Bridge, Riv. Katsura(Kyoto City)   nd   0.60     Kobe City   21   Kobe Port(center)   nd   0.60     Okayama Pref.   22   Offshore of Mizushima   nd   0.60     Okayama Pref.   23   Offshore of Hagi   nd   0.60     Offshore of Hagi   nd   0.60     Okayama Pref.   23   Offshore of Hagi   nd   0.60     Okayama Pref.   24   Offshore of Hagi   nd   0.60     Okayama Pref.   25   Offshore of Hagi   nd   0.60     Okayama Pref.   26   Offshore of Hagi   nd   0.60   0.60     Ok | (reference value)[1-6-9] nona (oxyethylene) tetradecyl ether   |                | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.60            |
| Detection Frequency (sample):7/25(Missing value :0)   Detection range :nd ~ 4.2   Detection limit range :0.60 ~ 0.95   Detection limit :0.95   Tokyo Met.   8   Mouth of Riv. Arakawa(Koto Ward)   nd   0.60   | Detailed Environmental Survey/surface water (ng/L)             |                | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.60            |
| Detection range :nd ~ 4.2  | Detection Frequency (site) :7/25(Missing value :0)             | Akita Pref.    | 4  | Akita Canal(Akita City)                                       | 3.3            | 0.60            |
| Detection limit range :0.60 ~ 0.95   Tokyo Met.   Requested Detection limit :0.95   Tokyo Met.   8   Mouth of Riv. Arakawa(Koto Ward)   nd   0.60   0.60   | Detection Frequency (sample) :7/25(Missing value :0)           | Ibaraki Pref.  | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection limit :0.95   Tokyo Met.   8   Mouth of Riv. Arakawa(Koto Ward)   nd   0.60  | Detection range :nd ~ 4.2                                      | Saitama Pref.  | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 1.3            | 0.60            |
| Nequested Detection limit: -   9   Mouth of Riv. Sumida(Minato Ward)   nd   0.60   | Detection limit range :0.60~ 0.95                              |                | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.60            |
| Yokohama City         10         Yokohama Port         nd         0.60           11         Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)         nd         0.60           Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         nd         0.95           Nagano Pref.         13         Lake Suwa(center)         nd         0.60           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         4.0         0.60           Aichi Pref.         15         Nagoya Port, West of Shiomi Wharf         nd         0.60           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Wobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60 <td>Detection limit :0.95</td> <td>Tokyo Met.</td> <td>8</td> <td>Mouth of Riv. Arakawa(Koto Ward)</td> <td>nd</td> <td>0.60</td>   | Detection limit :0.95  | Tokyo Met.     | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.60            |
| 11   Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   nd   0.60   | Requested Detection limit : -                                  |                | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.60            |
| Niigata Pref.         12         Lower Riv. Shinano(Niigata City)         nd         0.95           Nagano Pref.         13         Lake Suwa(center)         nd         0.60           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         4.0         0.60           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.60           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  | Yokohama City  | 10 | Yokohama Port   | nd             | 0.60            |
| Nagano Pref.         13         Lake Suwa(center)         nd         0.60           Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         4.0         0.60           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.60           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  |                | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.60            |
| Shizuoka Pref.         14         Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)         4.0         0.60           Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.60           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Cobe City         21         Kobe Port(center)         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60  |  | Niigata Pref.  | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
| Aichi Pref.         15         Nagoya Port , West of Shiomi Wharf         nd         0.60           Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           20         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  | Nagano Pref.   | 13 | Lake Suwa(center)   | nd             | 0.60            |
| Nagoya City         16         Minatoshinbashi Bridge, Riv. Hori (Nagoya City)         4.2         0.60           Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge, Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Zo         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  | Shizuoka Pref. | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.0            | 0.60            |
| Mie Pref.   17   Yokkaichi Port   1.1   0.60   |  | Aichi Pref.    | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
| Mie Pref.         17         Yokkaichi Port         1.1         0.60           Kyoto City         18         Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           Zo         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60  |  | Nagoya City    | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.2            | 0.60            |
| Kyoto City         18         Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)         nd         0.60           Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           20         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  |                | 17 |   | 1.1            | 0.60            |
| Osaka City         19         Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)         nd         0.60           20         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60   |  | Kyoto City     | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.60            |
| 20         Osaka Port         nd         0.60           Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60  |  |                |    |   |                |                 |
| Kobe City         21         Kobe Port(center)         nd         0.60           Okayama Pref.         22         Offshore of Mizushima         nd         0.60           Yamaguchi Pref.         23         Offshore of Hagi         nd         0.60  |  |                | 20 | Osaka Port  | nd             | 0.60            |
| Okayama Pref. 22 Offshore of Mizushima nd 0.60 Yamaguchi Pref. 23 Offshore of Hagi nd 0.60   |  | Kobe City      |    |   |                |                 |
| Yamaguchi Pref. 23 Offshore of Hagi nd 0.60  |  |                |    | ` '   | nd             |                 |
|  |  | - 1            |    |   |                |                 |
| <u> </u>   |  |                |    |   |                |                 |
| Miyazaki Pref. 25 Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City) 0.98 0.60   |  |                |    |   |                |                 |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| Target chemicals  | Local           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| g   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-6-10] deca (oxyethylene) tetradecyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 1.9            | 0.82            |
| (teresone value)[1 0 10] acca (oxyomytene) teatace) value       |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)              |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.82            |
| Detection Frequency (site) :5/25(Missing value :0)              | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 3.3            | 0.82            |
| Detection Frequency (sample) :5/25(Missing value :0)            | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd ~ 5.1                                       | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | *0.88          | 0.82            |
| Detection limit range :0.82 ~ 1.1                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.82            |
| Detection limit :1.1  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -                                   |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.82            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.82            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.82            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.82            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.2            | 0.82            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 5.1            | 0.82            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | 1.2            | 0.82            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.82            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.82            |
|   |                 | 20 | Osaka Port  | nd             | 0.82            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.82            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.82            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.82            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.82            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.82            |
|   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 1.3            | 0.94            |
| (reference value)[1-6-11] undeca (oxyethylene) tetradecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)              |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :6/25(Missing value :0)              | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 3.1            | 0.94            |
| Detection Frequency (sample) :6/25(Missing value :0)            | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd ~ 4.9                                       | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 2.0            | 0.94            |
| Detection limit range :0.94~1.3                                 |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :1.3  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                                   |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.8            | 0.94            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 4.9            | 0.94            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | 1.3            | 0.94            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|   | Osaka City      | 19 |   |                | 0.94            |
|   | Osaka City      |    | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd<br>nd       |                 |
|   | Value City      | 20 | Osaka Port  | nd             | 0.94            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.94            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.94            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | *1.1           | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| Target chemicals  | Local            | No | Monitored sites   | Measured value | Reported        |
|---|------------------|----|---|----------------|-----------------|
| -   | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-6-12] dodeca (oxyethylene) tetradecyl ether   | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 1.2            | 1.0             |
|   |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)                |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :7/25(Missing value :0)                | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | 3.3            | 1.0             |
| Detection Frequency (sample) :7/25(Missing value :0)              | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd ~ 8.4   | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | 2.4            | 1.0             |
| Detection limit range :1.0~ 1.2                                   |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2  | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                                     |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 1.0             |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 1.0             |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 4.4            | 1.0             |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 8.4            | 1.0             |
|   | Mie Pref.        | 17 | Yokkaichi Port  | 1.2            | 1.0             |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|   |                  | 20 | Osaka Port  | nd             | 1.0             |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 1.0             |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 1.0             |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 1.0             |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 1.0             |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 1.7            | 1.0             |
| (mafanana a valva)[1 6 12] tuidaaa (avvathulana) tatuadaayl athan | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
| (reference value)[1-6-13] trideca (oxyethylene) tetradecyl ether  |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)                |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :5/25(Missing value :0)                | Akita Pref.      | 4  | Akita Canal(Akita City)                                       | 2.6            | 0.81            |
| Detection Frequency (sample) :5/25(Missing value :0)              | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd ~ 9.0   | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65~0.81                                  |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81   | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                                     |                  | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|   | Yokohama City    | 10 | Yokohama Port   | nd             | 0.81            |
|   |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|   | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
|   | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | 0.81            |
|   | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | 3.8            | 0.81            |
|   | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|   | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 9.0            | 0.81            |
|   | Mie Pref.        | 17 | Yokkaichi Port  | 1.0            | 0.81            |
|   | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|   | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|   |                  | 20 | Osaka Port  | nd             | 0.81            |
|   | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.81            |
|   | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.81            |
|   | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.81            |
|   | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.81            |
|   | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | 1.1            | 0.81            |
|   | MITTUZUKI I ICI. | 23 | Tonganaco oasin Briage, 1217. Tsajinodou(1200ayasin City)     | 1.1            | 0.01            |

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

| Towart showingle   | Local                      | Na | Monitored sites   | Measured value | Reported        |
|--|----------------------------|----|---|----------------|-----------------|
| Target chemicals   | communities                | No | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-6-14] tetradeca (oxyethylene) tetradecyl | Hokkaido                   | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                       | 1.5            | 0.93            |
| ether  |                            | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)                                   | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)           |                            | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)                                     | nd             | 0.93            |
| Detection Frequency (site) :8/25(Missing value :0)           | Akita Pref.                | 4  | Akita Canal(Akita City)   | 2.7            | 0.93            |
| Detection Frequency (sample) :8/25(Missing value :0)         | Ibaraki Pref.              | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                            | nd             | 0.93            |
| Detection range :nd ~ 15                                     | Saitama Pref.              | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | 2.2            | 0.93            |
| Detection limit range :0.93 ~ 1.1                            |                            | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                                       | nd             | 0.93            |
| Detection limit :1.1   | Tokyo Met.                 | 8  | Mouth of Riv. Arakawa(Koto Ward)  | nd             | 0.93            |
| Requested Detection limit : -                                |                            | 9  | Mouth of Riv. Sumida(Minato Ward)   | nd             | 0.93            |
|  | Yokohama City              | 10 | Yokohama Port   | nd             | 0.93            |
|  |                            | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)                                   | 1.4            | 0.93            |
|  | Niigata Pref.              | 12 | Lower Riv. Shinano(Niigata City)  | nd             | 1.1             |
|  | Nagano Pref.               | 13 | Lake Suwa(center)   | nd             | 0.93            |
|  | Shizuoka Pref.             | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                                      | 4.2            | 0.93            |
|  | Aichi Pref.                | 15 | Nagoya Port , West of Shiomi Wharf  | nd             | 0.93            |
|  | Nagoya City                | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)                                     | 15             | 0.93            |
|  | Mie Pref.                  | 17 | Yokkaichi Port  | 1.3            | 0.93            |
|  | Kyoto City                 | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                                       | nd             | 0.93            |
|  | Osaka City                 | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  | nd             | 0.93            |
|  |                            | 20 | Osaka Port  | nd             | 0.93            |
|  | Kobe City                  | 21 | Kobe Port(center)   | nd             | 0.93            |
|  | Okayama Pref.              | 22 | Offshore of Mizushima   | nd             | 0.93            |
|  | Yamaguchi Pref.            | 23 | Offshore of Hagi  | nd             | 0.93            |
|  | Fukuoka City               | 24 | Hakata Bay  | nd             | 0.93            |
|  | Miyazaki Pref.             | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                            | 1.4            | 0.93            |
| (reference value)[1-6-15] pentadeca (oxyethylene) tetradecyl | Hokkaido                   | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                       | nd             | 1.2             |
| ether  | Hokkuldo                   | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)                                   | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)           |                            | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)                                     | nd             | 1.2             |
| Detection Frequency (site) :7/25(Missing value :0)           | Akita Pref.                | 4  | Akita Canal(Akita City)   | 6.9            | 1.2             |
| Detection Frequency (sample):7/25(Missing value:0)           | Ibaraki Pref.              | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                            | nd             | 1.2             |
| Detection requestly (sample)://25(tvissing value .0)         | Saitama Pref.              | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | 9.0            | 1.2             |
| Detection limit range :0.81~1.2                              | Saltama I ICI.             | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                                       | nd             | 1.2             |
| Detection limit 13.2   | Tokyo Met.                 | 8  | Mouth of Riv. Arakawa(Koto Ward)  | nd             | 1.2             |
|  | Tokyo Wiet.                | 9  |   | nd             | 1.2             |
| Requested Detection limit : -                                | Valrahama City             |    | Mouth of Riv. Sumida(Minato Ward) Yokohama Port                                     |                | 1.2             |
|  | Yokohama City              | 10 |   | nd             | 1.2             |
|  | Nii aata Duaf              | 12 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)  Lower Riv. Shinano(Niigata City) | nd             | 0.81            |
|  | Niigata Pref. Nagano Pref. | 13 |   | nd             | 1.2             |
|  |                            |    | Lake Suwa(center)   | nd             |                 |
|  | Shizuoka Pref.             | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                                      | 8.4            | 1.2             |
|  | Aichi Pref.                | 15 | Nagoya Port , West of Shiomi Wharf  | nd             | 1.2             |
|  | Nagoya City                | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)                                     | 48             | 1.2             |
|  | Mie Pref.                  | 17 | Yokkaichi Port  | 2.5            | 1.2             |
|  | Kyoto City                 | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                                       | 2.3            | 1.2             |
|  | Osaka City                 | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  | nd .           | 1.2             |
|  |                            | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City                  | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.              | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref.            | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City               | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.             | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                            | 4.2            | 1.2             |

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            | No | Monitored sites   | Measured value | Reported        |
|--|------------------|----|---|----------------|-----------------|
| g  | communities      |    |   | Sample1        | Detection limit |
| (reference value)[1-7] poly(oxyethylene) pentadecyl ether (The | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                               | nd             | **12            |
| polymerisation degree of the oxyethylenes: 1-15)               |                  | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)   | nd             | **12            |
|  |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   | nd             | **12            |
| Detailed Environmental Survey/surface water (ng/L)             | Akita Pref.      | 4  | Akita Canal(Akita City)   | nd             | **12            |
| Detection Frequency (site) :0/25(Missing value :0)             | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                                    | nd             | **12            |
| Detection Frequency (sample) :0/25(Missing value :0)           | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | nd             | **12            |
| Detection range :nd  |                  | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)   | nd             | **12            |
| Detection limit range :12~23                                   | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)  | nd             | **12            |
| Detection limit :23  |                  | 9  | Mouth of Riv. Sumida(Minato Ward)   | nd             | **12            |
| Requested Detection limit : -                                  | Yokohama City    | 10 | Yokohama Port   | nd             | **12            |
|  |                  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   | nd             | **12            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)  | nd             | **23            |
|  | Nagano Pref.     | 13 | Lake Suwa(center)   | nd             | **12            |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)  | nd             | **12            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf  | nd             | **12            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   | nd             | **12            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | **12            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)   | nd             | **12            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  | nd             | **12            |
|  | ,                | 20 | Osaka Port  | nd             | **12            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | **12            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | **12            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | **12            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | **12            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                                    | nd             | **12            |
|  | Hokkaido         | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                               | nd             | 0.94            |
| (reference value)[1-7-1] mono (oxyethylene) pentadecyl ether   | Hokkuido         | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)   | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)             |                  | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)   | nd             | 0.94            |
| Detection Frequency (site):1/25(Missing value:0)               | Akita Pref.      | 4  | Akita Canal(Akita City)   | nd             | 0.94            |
| Detection Frequency (sate):1/25(Missing value:0)               | Ibaraki Pref.    | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                                    | nd             | 0.94            |
| Detection requestey (sample) 1725(tyrissing value 10)          | Saitama Pref.    | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)   | nd             | 0.94            |
| Detection limit range :0.94~ 5.2                               | Saltania i ici.  | 7  | Kachi-hashi Bridge, Riv. I anase(Sinki City)  Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town) | nd             | 0.94            |
| Detection limit range 3.74 3.2                                 | Tokyo Met.       | 8  | Mouth of Riv. Arakawa(Koto Ward)  | nd             | 0.94            |
| Requested Detection limit : -                                  | Tokyo Wet.       | 9  | Mouth of Riv. Sumida(Minato Ward)   | nd             | 0.94            |
| Requested Detection mint                                       | Yokohama City    | 10 | Yokohama Port   | nd             | 0.94            |
|  | 1 Okoliania City | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)   | nd             | 0.94            |
|  | Niigata Pref.    | 12 | Lower Riv. Shinano(Niigata City)  | 6.1            | 5.2             |
|  | Nagano Pref.     |    | ( 0 )/  |                | 0.94            |
|  |                  | 13 | Lake Suwa(center)   | nd             |                 |
|  | Shizuoka Pref.   | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)  | nd             | 0.94            |
|  | Aichi Pref.      | 15 | Nagoya Port , West of Shiomi Wharf  | nd             | 0.94            |
|  | Nagoya City      | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)   | nd             | 0.94            |
|  | Mie Pref.        | 17 | Yokkaichi Port  | nd             | 0.94            |
|  | Kyoto City       | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)   | nd             | 0.94            |
|  | Osaka City       | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)  | nd             | 0.94            |
|  |                  | 20 | Osaka Port  | nd             | 0.94            |
|  | Kobe City        | 21 | Kobe Port(center)   | nd             | 0.94            |
|  | Okayama Pref.    | 22 | Offshore of Mizushima   | nd             | 0.94            |
|  | Yamaguchi Pref.  | 23 | Offshore of Hagi  | nd             | 0.94            |
|  | Fukuoka City     | 24 | Hakata Bay  | nd             | 0.94            |
|  | Miyazaki Pref.   | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                                    | nd             | 0.94            |

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: Estimated value based on industrial products.

(Note 5) \*\* : indicates the sum value of the Detection limits of each degree of polymerization.

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| -  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-7-2] di (oxyethylene) pentadecyl ether   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :0/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :0/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :1.2~2.2                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :2.2   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 2.2             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|  |                 | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
| (mafarana a valua)[1 7 2] tai (avvathalana) mantada ad athan | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.84            |
| (reference value)[1-7-3] tri (oxyethylene) pentadecyl ether  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.84            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.84            |
| Detection Frequency (site) :1/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.84            |
| Detection Frequency (sample) :1/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.84            |
| Detection range :nd ~ 0.84                                   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.84            |
| Detection limit range :0.49~ 0.84                            |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.84            |
| Detection limit :0.84  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.84            |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.84            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.84            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.84            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | 0.84           | 0.49            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.84            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.84            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.84            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.84            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.84            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.84            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.84            |
|  |                 | 20 | Osaka Port  | nd             | 0.84            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.84            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.84            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.84            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.84            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.84            |
|  | ,               | 23 |   |                | 5.0·F           |

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           | No | Monitored sites  | Measured value | Reported        |
|---|-----------------|----|--|----------------|-----------------|
| <u> </u>  | communities     |    |  | Sample1        | Detection limit |
| (reference value)[1-7-4] tetra (oxyethylene) pentadecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                      | nd             | 0.73            |
| (   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)                                  | nd             | 0.73            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)                                    | nd             | 0.73            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)  | nd             | 0.73            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                           | nd             | 0.73            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)  | nd             | 0.73            |
| Detection limit range :0.73 ~ 1.3                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                                      | nd             | 0.73            |
| Detection limit :1.3  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)   | nd             | 0.73            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)  | nd             | 0.73            |
|   | Yokohama City   | 10 | Yokohama Port  | nd             | 0.73            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)                                  | nd             | 0.73            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)   | nd             | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)  | nd             | 0.73            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                                     | nd             | 0.73            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf   | nd             | 0.73            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)                                    | *0.88          | 0.73            |
|   | Mie Pref.       | 17 | Yokkaichi Port   | nd             | 0.73            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                                      | nd             | 0.73            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                                       | nd             | 0.73            |
|   |                 | 20 | Osaka Port   | nd             | 0.73            |
|   | Kobe City       | 21 | Kobe Port(center)  | nd             | 0.73            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima  | nd             | 0.73            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi   | nd             | 0.73            |
|   | Fukuoka City    | 24 | Hakata Bay   | nd             | 0.73            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                           | nd             | 0.73            |
|   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)                      | nd             | 0.76            |
| (reference value)[1-7-5] penta (oxyethylene) pentadecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)                                  | nd             | 0.76            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)                                    | nd             | 0.76            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)  | nd             | 0.76            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                           | nd             | 0.76            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)  | nd             | 0.76            |
| Detection limit range :0.76~ 1.7                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                                      | nd             | 0.76            |
| Detection limit :1.7  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)   | nd             | 0.76            |
| Requested Detection limit : -                                 | Tokyo Met.      | 9  | Mouth of Riv. Sumida(Minato Ward)  | nd             | 0.76            |
| Requested Detection mint .                                    | Yokohama City   | 10 | Yokohama Port  | nd             | 0.76            |
|   | 1 Okonama City  | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)                                  | nd             | 0.76            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)   | nd             | 1.7             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)  | nd             | 0.76            |
|   | Shizuoka Pref.  |    | ` ´  |                | 0.76            |
|   | Aichi Pref.     | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)  Nagoya Port , West of Shiomi Wharf | nd<br>nd       | 0.76            |
|   |                 |    |  |                |                 |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)                                    | nd             | 0.76            |
|   | Mie Pref.       | 17 | Yokkaichi Port   | nd             | 0.76            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                                      | nd             | 0.76            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                                       | nd             | 0.76            |
|   |                 | 20 | Osaka Port   | nd             | 0.76            |
|   | Kobe City       | 21 | Kobe Port(center)  | nd             | 0.76            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima  | nd             | 0.76            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi   | nd             | 0.76            |
|   | Fukuoka City    | 24 | Hakata Bay   | nd             | 0.76            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)                           | nd             | 0.76            |

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: Estimated value based on industrial products.

(Note 5) \*: reference value (less then unified detection limit)

| Target chemicals  | Local           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
| -   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-7-6] hexa (oxyethylene) pentadecyl ether  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.53            |
|   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.53            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.53            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.53            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.53            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.53            |
| Detection limit range :0.53~ 1.4                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.53            |
| Detection limit :1.4  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.53            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.53            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.53            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.53            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.4             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.53            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.53            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.53            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.53            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.53            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.53            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.53            |
|   |                 | 20 | Osaka Port  | nd             | 0.53            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.53            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.53            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.53            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.53            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.53            |
|   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.59            |
| (reference value)[1-7-7] hepta (oxyethylene) pentadecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.59            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.59            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.59            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.59            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.59            |
| Detection limit range :0.59~ 1.6                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.59            |
| Detection limit :1.6  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.59            |
| Requested Detection limit : -                                 | ,               | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.59            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.59            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.59            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.59            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.59            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.59            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.59            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.59            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.59            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.59            |
|   | ooma ony        | 20 | Osaka Port  | nd             | 0.59            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.59            |
|   |                 | 22 | Offshore of Mizushima   |                | 0.59            |
|   | Okayama Pref.   |    |   | nd             |                 |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd<br>nd       | 0.59            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.59            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.59            |

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           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| Ŭ  | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-7-8] octa (oxyethylene) pentadecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.39            |
|  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.39            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.39            |
| Detection Frequency (site) :0/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.39            |
| Detection Frequency (sample) :0/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.39            |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.39            |
| Detection limit range :0.39~ 1.6                             |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.39            |
| Detection limit :1.6   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.39            |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.39            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.39            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.39            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.6             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.39            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.39            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.39            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.39            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.39            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.39            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.39            |
|  |                 | 20 | Osaka Port  | nd             | 0.39            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.39            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.39            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.39            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.39            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.39            |
|  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.60            |
| (reference value)[1-7-9] nona (oxyethylene) pentadecyl ether |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.60            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.60            |
| Detection Frequency (site) :0/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.60            |
| Detection Frequency (sample) :0/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.60            |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.60            |
| Detection limit range :0.60~ 0.95                            |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.60            |
| Detection limit :0.95  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.60            |
| Requested Detection limit : -                                | ,               | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.60            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.60            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.60            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.95            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.60            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.60            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.60            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.60            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.60            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.60            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.60            |
|  | Sound Only      | 20 | Osaka Port  | nd             | 0.60            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.60            |
|  |                 | 22 | Offshore of Mizushima   |                |                 |
|  | Okayama Pref.   |    |   | nd             | 0.60            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd<br>         | 0.60            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.60            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.60            |

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           | No | Monitored sites   | Measured value | Reported        |
|---|-----------------|----|---|----------------|-----------------|
|   | communities     |    |   | Sample1        | Detection limit |
| (reference value)[1-7-10] deca (oxyethylene) pentadecyl ether | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.82            |
| (totalende value)[1 / 10] deed (expensylend) pennadeey, enner |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.82            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.82            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.82            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.82            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.82            |
| Detection limit range :0.82~1.1                               |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.82            |
| Detection limit :1.1  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.82            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.82            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.82            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.82            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.82            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.82            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.82            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.82            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.82            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.82            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.82            |
|   |                 | 20 | Osaka Port  | nd             | 0.82            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.82            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.82            |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.82            |
|   | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.82            |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.82            |
| (reference value)[1-7-11] undeca (oxyethylene) pentadecyl     | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.94            |
| ether   |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.94            |
| Detailed Environmental Survey/surface water (ng/L)            |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.94            |
| Detection Frequency (site) :0/25(Missing value :0)            | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.94            |
| Detection Frequency (sample) :0/25(Missing value :0)          | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.94            |
| Detection range :nd   | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.94            |
| Detection limit range :0.94~ 1.3                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.94            |
| Detection limit :1.3  | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.94            |
| Requested Detection limit : -                                 |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.94            |
|   | Yokohama City   | 10 | Yokohama Port   | nd             | 0.94            |
|   |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.94            |
|   | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.3             |
|   | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.94            |
|   | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.94            |
|   | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.94            |
|   | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.94            |
|   | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.94            |
|   | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.94            |
|   | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.94            |
|   | Country City    | 20 | Osaka Port  | nd             | 0.94            |
|   | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.94            |
|   | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.94            |
|   |                 |    |   |                |                 |
|   | Yamaguchi Pref. | 23 | Offshore of Hagi<br>Hakata Bay                                | nd<br>nd       | 0.94            |
|   | Fukuoka City    |    | ,   |                |                 |
|   | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.94            |

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

| Toursele   | Local           | NI. | Market district   | Measured value | Reported        |
|--|-----------------|-----|---|----------------|-----------------|
| Target chemicals   | communities     | No  | Monitored sites   | Sample1        | Detection limit |
| (reference value)[1-7-12] dodeca (oxyethylene) pentadecyl        | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.0             |
| ether  |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.0             |
| Detailed Environmental Survey/surface water (ng/L)               |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.0             |
| Detection Frequency (site) :0/25(Missing value :0)               | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 1.0             |
| Detection Frequency (sample) :0/25(Missing value :0)             | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.0             |
| Detection range :nd  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.0             |
| Detection limit range :1.0~ 1.2                                  |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.0             |
| Detection limit :1.2   | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.0             |
| Requested Detection limit : -                                    |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.0             |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 1.0             |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.0             |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 1.2             |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 1.0             |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.0             |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.0             |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.0             |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 1.0             |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.0             |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.0             |
|  |                 | 20  | Osaka Port  | nd             | 1.0             |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 1.0             |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 1.0             |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 1.0             |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 1.0             |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.0             |
| ( 6 ) 1 ) [ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]                  | Hokkaido        | 1   | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.81            |
| (reference value)[1-7-13] trideca (oxyethylene) pentadecyl ether |                 | 2   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.81            |
| Detailed Environmental Survey/surface water (ng/L)               |                 | 3   | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.81            |
| Detection Frequency (site) :0/25(Missing value :0)               | Akita Pref.     | 4   | Akita Canal(Akita City)                                       | nd             | 0.81            |
| Detection Frequency (sample) :0/25(Missing value :0)             | Ibaraki Pref.   | 5   | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.81            |
| Detection range :nd  | Saitama Pref.   | 6   | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.81            |
| Detection limit range :0.65~ 0.81                                |                 | 7   | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.81            |
| Detection limit :0.81  | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.81            |
| Requested Detection limit : -                                    |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.81            |
|  | Yokohama City   | 10  | Yokohama Port   | nd             | 0.81            |
|  |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.81            |
|  | Niigata Pref.   | 12  | Lower Riv. Shinano(Niigata City)                              | nd             | 0.65            |
|  | Nagano Pref.    | 13  | Lake Suwa(center)   | nd             | 0.81            |
|  | Shizuoka Pref.  | 14  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.81            |
|  | Aichi Pref.     | 15  | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.81            |
|  | Nagoya City     | 16  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.81            |
|  | Mie Pref.       | 17  | Yokkaichi Port  | nd             | 0.81            |
|  | Kyoto City      | 18  | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.81            |
|  | Osaka City      | 19  | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.81            |
|  |                 | 20  | Osaka Port  | nd             | 0.81            |
|  | Kobe City       | 21  | Kobe Port(center)   | nd             | 0.81            |
|  | Okayama Pref.   | 22  | Offshore of Mizushima   | nd             | 0.81            |
|  | Yamaguchi Pref. | 23  | Offshore of Hagi  | nd             | 0.81            |
|  | Fukuoka City    | 24  | Hakata Bay  | nd             | 0.81            |
|  | Miyazaki Pref.  | 25  | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.81            |

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           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| rarget chemicals   | communities     | NO | wontored sites  | Sample1        | Detection limit |
| (reference value)[1-7-14] tetradeca (oxyethylene) pentadecyl | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.93            |
| ether  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 0.93            |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 0.93            |
| Detection Frequency (site) :0/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 0.93            |
| Detection Frequency (sample) :0/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 0.93            |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 0.93            |
| Detection limit range :0.93 ~ 1.1                            |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 0.93            |
| Detection limit :1.1   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.93            |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.93            |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 0.93            |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.93            |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 1.1             |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 0.93            |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 0.93            |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 0.93            |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.93            |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 0.93            |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 0.93            |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 0.93            |
|  |                 | 20 | Osaka Port  | nd             | 0.93            |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 0.93            |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 0.93            |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 0.93            |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 0.93            |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 0.93            |
| (reference value)[1-7-15] pentadeca (oxyethylene) pentadecyl | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 1.2             |
| ether  |                 | 2  | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)             | nd             | 1.2             |
| Detailed Environmental Survey/surface water (ng/L)           |                 | 3  | Onnenai-ohashi Bridge, Riv. Teshio(Bifuka Town)               | nd             | 1.2             |
| Detection Frequency (site) :0/25(Missing value :0)           | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | nd             | 1.2             |
| Detection Frequency (sample) :0/25(Missing value :0)         | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | nd             | 1.2             |
| Detection range :nd  | Saitama Pref.   | 6  | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                   | nd             | 1.2             |
| Detection limit range :0.81~1.2                              |                 | 7  | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                 | nd             | 1.2             |
| Detection limit :1.2   | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 1.2             |
| Requested Detection limit : -                                |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 1.2             |
|  | Yokohama City   | 10 | Yokohama Port   | nd             | 1.2             |
|  |                 | 11 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 1.2             |
|  | Niigata Pref.   | 12 | Lower Riv. Shinano(Niigata City)                              | nd             | 0.81            |
|  | Nagano Pref.    | 13 | Lake Suwa(center)   | nd             | 1.2             |
|  | Shizuoka Pref.  | 14 | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)                | nd             | 1.2             |
|  | Aichi Pref.     | 15 | Nagoya Port , West of Shiomi Wharf                            | nd             | 1.2             |
|  | Nagoya City     | 16 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 1.2             |
|  | Mie Pref.       | 17 | Yokkaichi Port  | nd             | 1.2             |
|  | Kyoto City      | 18 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | 1.2             |
|  | Osaka City      | 19 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | nd             | 1.2             |
|  |                 | 20 | Osaka Port  | nd             | 1.2             |
|  | Kobe City       | 21 | Kobe Port(center)   | nd             | 1.2             |
|  | Okayama Pref.   | 22 | Offshore of Mizushima   | nd             | 1.2             |
|  | Yamaguchi Pref. | 23 | Offshore of Hagi  | nd             | 1.2             |
|  | Fukuoka City    | 24 | Hakata Bay  | nd             | 1.2             |
|  | Miyazaki Pref.  | 25 | Torigakubo-bashi Bridge, Riv. Tsujinodou(Kobayashi City)      | nd             | 1.2             |
|  |                 |    | 5, 7, 7,  |                |                 |

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

|   | Local                                    |          |   | Measured value | Reported        |
|---|--|----------|---|----------------|-----------------|
| Target chemicals                                      | communities                              | No       | Monitored sites   | Sample1        | Detection limit |
| March 1 Programme Control                             | Hokkaido                                 | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)             | 8,000          | 65              |
| [2] Ethylenediaminetetraacetic acid                   | Miyagi Pref.                             | 2        | Futatsuya-bashi Bridge, Riv. Hasama(Tome City)                            | 1,200          | 65              |
| Detailed Environmental Survey/surface water (ng/L)    |  | 3        | Sakura-hodoukyou Bridge, Riv.Shiroishi(Shibata Town)                      | 400            | 65              |
| Detection Frequency (site) :26/26(Missing value :0)   | Akita Pref.                              | 4        | Akita Canal(Akita City)   | 4,200          | 65              |
| Detection Frequency (sample) :26/26(Missing value :0) | Yamagata Pref.                           | 5        | Mouth of Riv. Mogami(Sakata City)   | 1,700          | 65              |
| Detection range :350 ~ 120,000                        | Ibaraki Pref.                            | 6        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                  | 5,600          | 65              |
| Detection limit range :37~65                          | Tochigi Pref.                            | 7        | Tagawa Kyubun Area Head Works(Utsunomiya City)                            | 13,000         | 37              |
| Detection limit :37                                   | Saitama Pref.                            | 8        | Akigaseshusuizeki of Riv. Arakawa(Shiki City)                             | 4,200          | 65              |
| Requested Detection limit :67                         |  | 9        | Shiki-ohasi Bridge, Riv. Yanase(Shiki City)                               | 75,000         | 65              |
|   |  | 10       | Kachi-hashi Bridge, Riv. Ichino(Yoshimi Town)                             | 44,000         | 65              |
|   | Tokyo Met.                               | 11       | Mouth of Riv. Arakawa(Koto Ward)  | 12,000         | 65              |
|   |  | 12       | Mouth of Riv. Sumida(Minato Ward)   | 13,000         | 65              |
|   | Yokohama City                            | 13       | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)                         | 120,000        | 65              |
|   | Kawasaki City                            | 14       | Mouth of Riv. Tama(Kawasaki City)   | 13,000         | 65              |
|   | Niigata Pref.                            | 15       | Lower Riv. Shinano(Niigata City)  | 3,700          | 65              |
|   | Ishikawa Pref.                           | 16       | Mouth of Riv. Sai(Kanazawa City)  | 21,000         | 65              |
|   | Shizuoka Pref.                           | 17       | Riv. Tenryu(Iwata City)   | 1,500          | 65              |
|   | Nagoya City                              | 18       | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)                           | 20,000         | 65              |
|   | Shiga Pref.                              | 19       | Lake Biwa(center, offshore of Minamihira)                                 | 470            | 65              |
|   |  | 20       | Lake Biwa(center, offshore of Karasaki)                                   | 550            | 65              |
|   | Osaka Pref.                              | 21       | Mouth of Riv. Yamato(Sakai City)  | 21,000         | 65              |
|   | Hyogo Pref.                              | 22       | Masago-bashi Bridge, Riv. Hayashida(Tatsuno City)                         | 350            | 37              |
|   | 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1 | 23       | Tachino-ohashi Bridge, Riv. Maruyama(Toyo-oka City)                       | 660            | 37              |
|   | Wakayama Pref.                           | 24       | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City)             | 1,600          | 65              |
|   | Okayama Pref.                            | 25       | Sasagase-bashi Bridge, Riv. Sasagase(Okayama City)                        | 4,100          | 65              |
|   | Oita Pref.                               | 26       | Mouth of Riv. Oita(Oita City)   | 2,000          | 65              |
| [3] Decyl alcohol (synonym: Decanol)                  | Hokkaido                                 | 1        | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City)             | nd             | 3.6             |
| Detailed Environmental Survey/surface water (ng/L)    | Tronnardo                                | 2        | Tomakomai Port  | nd             | 3.6             |
| Detection Frequency (site) :2/26(Missing value :1)    | Miyagi Pref.                             | 3        | Futatsuya-bashi Bridge, Riv. Hasama(Tome City)                            | nd             | 3.6             |
| Detection Frequency (sample):2/26(Missing value:1)    | wiiyagi i ici.                           | 4        | Sakura-hodoukyou Bridge, Riv. Shiroishi(Shibata Town)                     | nd             | 3.6             |
| Detection range and ~ 13                              | Akita Pref.                              | 5        | Akita Canal(Akita City)   | nd             | 3.6             |
| Detection limit range :3.6~ 6.2                       | 7 Kita 1 ici.                            | 6        | Taiheikawa-hashi Bridge, Riv. Taihei(Akita City)                          | nd             | 3.6             |
| Detection limit 16.2                                  | Ibaraki Pref.                            | 7        | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)                  | nd             | 3.6             |
| Requested Detection limit :57                         | Tochigi Pref.                            | 8        | Tagawa Kyubun Area Head Works(Utsunomiya City)                            | nd             | 6.2             |
| requested Detection mint 157                          | Gunma Pref.                              | 9        | Nakajima-bashi Bridge, Riv. Hirose(Isesaki City)                          | nd             | 3.6             |
|   | Tokyo Met.                               | 10       | Mouth of Riv. Arakawa(Koto Ward)  | *4.6           | 3.6             |
|   | TORYO WICE.                              | 11       | Mouth of Riv. Sumida(Minato Ward)   | *4.7           | 3.6             |
|   | Yokohama City                            | 12       | Yokohama Port   | nd             | 3.6             |
|   | Toyama Pref.                             | 13       | Ishida-bashi Bridge, Riv. Kurose(Kurobe City)                             | *5.4           | 3.6             |
|   | Ishikawa Pref.                           | 14       | Mouth of Riv. Sai(Kanazawa City)  | 10             | 3.6             |
|   | Shizuoka Pref.                           | 15       |   | nd             | 3.6             |
|   |  |          | Riv. Tenryu(Iwata City)   |                |                 |
|   | Aichi Pref.                              | 16       | Nagoya Port , West of Shiomi Wharf  | nd             | 3.6             |
|   | Shiga Pref.                              | 17<br>18 | Lake Biwa(center, offshore of Minamihira)                                 | nd<br>13       | 3.6             |
|   | Ocalra Brof                              |          | Lake Biwa(center, offshore of Karasaki)                                   |                |                 |
|   | Osaka Pref.                              | 19       | Mouth of Riv. Yamato(Sakai City)  Wakayamashimotsu Port, Honkou Port Area | nd<br>nd       | 3.6             |
|   | Wakayama Pref.                           |          | Yasudaizeki of Riv. Arida(Arida City)                                     | nd<br>nd       | 3.6             |
|   | Olso P. C                                | 21       | ` , , , , , , , , , , , , , , , , , , ,                                   | nd             | 3.6             |
|   | Okayama Pref.                            | 22       | Offshore of Mizushima   | nd             | 3.6             |
|   | Saga Pref.                               | 23       | Imari Bay   | nd<br>*4.1     | 3.6             |
|   | Kumamoto Pref.                           | 24       | Hiraki-bashi Bridge, Riv. Midori(Uto City)                                | *4.1           | 3.6             |
|   | Oita Pref.                               | 25       | Mouth of Riv. Oita(Oita City)   | *4.4           | 3.6             |
|   | Miyazaki Pref.                           | 26       | Mouth of Riv. Oyodo(Miyazaki City)  | nd             | 3.6             |
|   | Okinawa Pref.                            | 27       | Ryutou-bashi Bridge, Riv. Nagadou(Haebaru Town)                           |                |                 |

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 then unified detection limit) (excluded value from the subject of aggregation)

| To an Ashania Is                                      | Local           | NT. | Market district   | Measured value | Reported        |
|---|-----------------|-----|---|----------------|-----------------|
| Target chemicals                                      | communities     | No  | Monitored sites   | Sample1        | Detection limit |
| [4] Triphenylboron (III) and its compounds            | Hokkaido        | 1   | Tomakomai Port  | 0.31           | 0.023           |
|   | Akita Pref.     | 2   | Akita Canal(Akita City)                                   | 0.10           | 0.023           |
| Detailed Environmental Survey/surface water (ng/L)    | Tokyo Met.      | 3   | Mouth of Riv. Arakawa(Koto Ward)                          | 0.078          | 0.023           |
| Detection Frequency (site) :14/25(Missing value :0)   |                 | 4   | Mouth of Riv. Sumida(Minato Ward)                         | 0.22           | 0.023           |
| Detection Frequency (sample) :14/25(Missing value :0) | Yokohama City   | 5   | Yokohama Port   | 0.14           | 0.023           |
| Detection range :nd ~ 0.37                            | Kawasaki City   | 6   | Keihin Canal, Port of Kawasaki, The Coast of Ougi Town    | 0.043          | 0.023           |
| Detection limit range :0.023                          | Niigata Pref.   | 7   | Lower Riv. Shinano(Niigata City)                          | nd             | 0.023           |
| Detection limit :0.023                                | Shizuoka Pref.  | 8   | Shimizu Port  | 0.10           | 0.023           |
| Requested Detection limit :0.03                       | Aichi Pref.     | 9   | Nagoya Port , West of Shiomi Wharf                        | 0.042          | 0.023           |
|   | Mie Pref.       | 10  | Yokkaichi Port  | nd             | 0.023           |
|   |                 | 11  | Toba Port   | 0.15           | 0.023           |
|   | Kyoto Pref.     | 12  | Miyazu Port   | 0.050          | 0.023           |
|   | Osaka Pref.     | 13  | Mouth of Riv. Yamato(Sakai City)                          | nd             | 0.023           |
|   | Osaka City      | 14  | Osaka Port  | 0.080          | 0.023           |
|   | Hyogo Pref.     | 15  | Offshore of Himeji  | 0.37           | 0.023           |
|   | Kobe City       | 16  | Kobe Port(center)   | nd             | 0.023           |
|   | Wakayama Pref.  | 17  | Wakayamashimotsu Port, Honkou Port Area                   | nd             | 0.023           |
|   | Okayama Pref.   | 18  | Offshore of Mizushima                                     | nd             | 0.023           |
|   | Yamaguchi Pref. | 19  | Offshore of Hagi  | nd             | 0.023           |
|   | Kagawa Pref.    | 20  | Takamatsu Port  | nd             | 0.023           |
|   | Ehime Pref.     | 21  | Sawadu Fishing Port                                       | nd             | 0.023           |
|   | Kitakyushu City | 22  | Dokai Bay   | 0.045          | 0.023           |
|   | Fukuoka City    | 23  | Hakata Bay  | 0.037          | 0.023           |
|   | Saga Pref.      | 24  | Imari Bay   | nd             | 0.023           |
|   | Kumamoto Pref.  | 25  | #N/A  | nd             | 0.023           |
| [5] 1,2,4-Trimethylbenzene                            | Hokkaido        | 1   | Suzuran-ohashi Bridge, Riv. Tokachi(Obihiro City)         | nd             | 3.4             |
| Detailed Environmental Survey/surface water (ng/L)    | Sendai City     | 2   | Hirose-ohashi Bridge, Riv. Hirose(Sendai City)            | nd             | 31              |
| Detection Frequency (site) :1/23(Missing value :3)    | Akita Pref.     | 3   | Akita Canal(Akita City)                                   | *6.1           | 3.4             |
| Detection Frequency (sample) :1/23(Missing value :3)  | Gunma Pref.     | 4   | Izumi-ohashi Bridge, Riv. Kyuhaku(Oizumi Town)            | *5.6           | 3.4             |
| Detection range :nd ~ 110                             | Saitama Pref.   | 5   | Akigaseshusuizeki of Riv. Arakawa(Shiki City)             | nd             | 3.4             |
| Detection limit range :3.4~33                         | Saitama City    | 6   | Nakadote-hashi Bridge, Riv. Kamo(Saitama City)            | nd             | 3.4             |
| Detection limit :33                                   | Chiba Pref.     | 7   | Coast of Ichihara and Anegasaki                           | nd             | 3.4             |
| Requested Detection limit :77                         | Tokyo Met.      | 8   | Mouth of Riv. Arakawa(Koto Ward)                          | *22            | 3.4             |
|   |                 | 9   | Mouth of Riv. Sumida(Minato Ward)                         | *14            | 3.4             |
|   | Yokohama City   | 10  | Yokohama Port   | *7.8           | 3.4             |
|   |                 | 11  | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)         | *7.1           | 3.4             |
|   | Kawasaki City   | 12  | Keihin Canal, Port of Kawasaki, The Coast of Chidori Town | nd             | 3.4             |
|   | Toyama Pref.    | 13  | Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)   | nd             | 3.4             |
|   | Shizuoka Pref.  | 14  | Riv. Tenryu(Iwata City)                                   | nd             | 3.4             |
|   | Shizuoka Pref.  | 15  | Shinkawa-bashi Bridge, Riv. Ho(Hamamatsu City)            | nd             | 3.4             |
|   | Aichi Pref.     | 16  | Nagoya Port , West of Shiomi Wharf                        | *4.5           | 3.4             |
|   | Nagoya City     | 17  | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)           | 110            | 3.4             |
|   | Mie Pref.       | 18  | Yokkaichi Port  | nd             | 33              |
|   | Kyoto Pref.     | 19  | Gokou-bashi Bridge, Riv. Kizu(Yawata City)                | nd             | 3.4             |
|   | Osaka Pref.     | 20  | Mouth of Riv. Yamato(Sakai City)                          | *3.4           | 3.4             |
|   | Osaka City      | 21  | Osaka Port  | *15            | 3.4             |
|   | Wakayama Pref.  | 22  | Shinzaike-bashi Bridge, Riv. Daimon(Wakayama City)        | nd             | 3.4             |
|   | Kagawa Pref.    | 23  | Takamatsu Port  |                |                 |
|   | Kitakyushu City | 24  | Dokai Bay   | *5.6           | 3.4             |
|   | Fukuoka Pref.   | 25  | Offshore of Omuta   |                |                 |
|   |                 | 26  | Kabura-bashi Bridge, Riv Raizan(Itoshima City)            |                |                 |

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 then unified detection limit) (excluded value from the subject of aggregation)

| Target chemicals   | Local           | No | Monitored sites   | Measured value | Reported        |
|--|-----------------|----|---|----------------|-----------------|
| raiget chemicais   | communities     | NO | Wollitored Sites  | Sample1        | Detection limit |
| [7] Naphthalene  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | nd             | 0.11            |
| Detailed Environmental Survey/surface water (ng/L)                                 |                 | 2  | Muroran Port  | nd             | 0.11            |
| Detection Frequency (site) :8/26(Missing value :0)                                 | Miyagi Pref.    | 3  | Futatsuya-bashi Bridge, Riv. Hasama(Tome City)                | nd             | 0.11            |
| Detection Frequency (sample) :8/26(Missing value :0)                               |                 | 4  | Sakura-hodoukyou Bridge, Riv.Shiroishi(Shibata Town)          | nd             | 0.11            |
| Detection range :nd ~ 9.5  | Akita Pref.     | 5  | Akita Canal(Akita City)                                       | nd             | 0.11            |
| Detection limit range :0.11 ~ 0.26   | Yamagata Pref.  | 6  | Mouth of Riv. Mogami(Sakata City)                             | nd             | 0.11            |
| Detection limit :0.11  | Saitama Pref.   | 7  | Akigaseshusuizeki of Riv. Arakawa(Shiki City)                 | nd             | 0.11            |
| Requested Detection limit :1.1   | Chiba Pref.     | 8  | Asai-bashi Bridge, Riv.Yourou(Ichihara City)                  | nd             | 0.11            |
|  | Tokyo Met.      | 9  | Mouth of Riv. Arakawa(Koto Ward)                              | nd             | 0.11            |
|  |                 | 10 | Mouth of Riv. Sumida(Minato Ward)                             | nd             | 0.11            |
|  | Yokohama City   | 11 | Yokohama Port   | nd             | 0.11            |
|  |                 | 12 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | nd             | 0.11            |
|  | Toyama Pref.    | 13 | Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)       | nd             | 0.11            |
|  | Nagano Pref.    | 14 | Tategahana-bashi Bridge, Riv. Shinano(Nakano City)            | nd             | 0.11            |
|  | Shizuoka Pref.  | 15 | Shimizu Port  | 3.2            | 0.11            |
|  | Aichi Pref.     | 16 | Nagoya Port , West of Shiomi Wharf                            | 6.3            | 0.11            |
|  | Nagoya City     | 17 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | nd             | 0.11            |
|  | Osaka Pref.     | 18 | Mouth of Riv. Yamato(Sakai City)                              | nd             | 0.11            |
|  | Osaka City      | 19 | Osaka Port  | 0.24           | 0.11            |
|  | Hyogo Pref.     | 20 | Masago-bashi Bridge, Riv. Hayashida(Tatsuno City)             | 3.8            | 0.26            |
|  | Nara Pref.      | 21 | Taisho-bashi Bridge, Riv. Yamato(Oji Town)                    | nd             | 0.11            |
|  | Wakayama Pref.  | 22 | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City) | 9.5            | 0.11            |
|  | Yamaguchi Pref. | 23 | Tokuyama Bay  | 1.2            | 0.11            |
|  | Kagawa Pref.    | 24 | Takamatsu Port  | nd             | 0.11            |
|  | Kitakyushu City | 25 | Dokai Bay   | 0.19           | 0.11            |
|  | Fukuoka City    | 26 | Hakata Bay  | 0.89           | 0.11            |
| [8]Nitrilotriacetic acid   | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 340            | 31              |
| (as Trisodium 2,2',2"-nitrilotriacetate)   | Iwate Pref.     | 2  | Riv. Toyosawa(Hanamaki City)                                  | 130            | 31              |
| Detailed Environmental Survey/surface water (ng/L)                                 | Sendai City     | 3  | Hirose-ohashi Bridge, Riv. Hirose(Sendai City)                | 110            | 31              |
| Detection Frequency (site) :26/26(Missing value :0)                                | Akita Pref.     | 4  | Akita Canal(Akita City)                                       | 1,000          | 31              |
| Detection Frequency (sample):26/26(Missing value:0)                                | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | 340            | 31              |
| Detection requerity (sample) .26/20(Wissing value .0)  Detection range :50 ~ 4,500 | Tochigi Pref.   | 6  | Tagawa Kyubun Area Head Works(Utsunomiya City)                | 580            | 31              |
|  | Gunma Pref.     | 7  | Izumi-ohashi Bridge, Riv. Kyuhaku(Oizumi Town)                | 4,500          | 31              |
| Detection limit range :31 ~ 60   |                 |    |   | -              |                 |
| Detection limit :31  | Saitama City    | 8  | Nakadote-hashi Bridge, Riv. Kamo(Saitama City)                | 900            | 31              |
| Requested Detection limit :1,800   | Chiba Pref.     | 9  | Asai-bashi Bridge, Riv. Yourou(Ichihara City)                 | 310            | 31              |
|  | Tokyo Met.      | 10 | Mouth of Riv. Arakawa(Koto Ward)                              | 700            | 31              |
|  | W. I. I. Giv    | 11 | Mouth of Riv. Sumida(Minato Ward)                             | 1,700          | 31              |
|  | Yokohama City   | 12 | Kamenoko-bashi Bridge, Riv.Tsurumi(Yokohama City)             | 1,600          | 31              |
|  | Kawasaki City   | 13 | Mouth of Riv. Tama(Kawasaki City)                             | 1,000          | 31              |
|  | Niigata Pref.   | 14 | Lower Riv. Shinano(Niigata City)                              | 650            | 60              |
|  | Ishikawa Pref.  | 15 | Mouth of Riv. Sai(Kanazawa City)                              | 2,200          | 31              |
|  | Nagano Pref.    | 16 | Lake Suwa(center)   | 160            | 31              |
|  | Shizuoka Pref.  | 17 | Nagano-bashi Bridge, Riv. Boso(Iwata City)                    | 1,300          | 31              |
|  | Nagoya City     | 18 | Minatoshinbashi Bridge, Riv. Hori (Nagoya City)               | 1,100          | 31              |
|  | Shiga Pref.     | 19 | Lake Biwa(center, offshore of Karasaki)                       | 50             | 31              |
|  | Kyoto Pref.     | 20 | Gokou-bashi Bridge, Riv. Kizu(Yawata City)                    | 670            | 31              |
|  | Osaka Pref.     | 21 | Mouth of Riv. Yamato(Sakai City)                              | 1,200          | 31              |
|  | Osaka City      | 22 | Kema-bashi Bridge, Riv. Oh-kawa (Osaka City)                  | 800            | 31              |
|  | Nara Pref.      | 23 | Taisho-bashi Bridge, Riv. Yamato(Oji Town)                    | 160            | 31              |
|  | Wakayama Pref.  | 24 | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City) | 220            | 31              |
|  | Okayama Pref.   | 25 | Sasagase-bashi Bridge, Riv. Sasagase(Okayama City)            | 1,200          | 31              |
|  | Oita Pref.      | 26 | Mouth of Riv. Oita(Oita City)                                 | 340            | 31              |

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

|   | Local           |    |   | Measured value |         |         | Reported        |
|---|-----------------|----|---|----------------|---------|---------|-----------------|
| Target chemicals                                      | communities     | No | Monitored sites   | Sample1        | Sample2 | Sample3 | Detection limit |
| [3] Decyl alcohol (synonym: Decanol)                  | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 220            | 13      | 140     | 1.1             |
| Detailed Environmental Survey/sediment (ng/g-dry)     |                 | 2  | Tomakomai Port  | 8.6            | 49      | 27      | 1.1             |
| Detection Frequency (site) :17/24(Missing value :0)   | Akita Pref.     | 3  | Akita Canal(Akita City)                                       | 2.3            | 30      | 320     | 1.1             |
|   |                 | 4  | Taiheikawa-hashi Bridge, Riv. Taihei(Akita City)              | nd             |         | nd      | 1.1             |
| Detection Frequency (sample) :50/71(Missing value :1) | Ibaraki Pref.   | 5  | Tonekamome-ohasi Bridge, Mouth of Riv. Tone(Kamisu City)      | 3.4            | 160     | 5.7     | 1.1             |
|   | Tokyo Met.      | 6  | Mouth of Riv. Arakawa(Koto Ward)                              | 160            | 140     | 69      | 1.1             |
| Detection range :nd~ 520                              |                 | 7  | Mouth of Riv. Sumida(Minato Ward)                             | 27             | 16      | 43      | 1.1             |
| Detection limit range :1.1                            | Yokohama City   | 8  | Yokohama Port   | 520            | 35      | 110     | 1.1             |
| Detection limit :1.1                                  | Toyama Pref.    | 9  | Ishida-bashi Bridge, Riv. Kurose(Kurobe City)                 | nd             | nd      | nd      | 1.1             |
| Requested Detection limit :3.2                        | Ishikawa Pref.  | 10 | Mouth of Riv. Sai(Kanazawa City)                              | 18             | 20      | 10      | 1.1             |
|   | Shizuoka Pref.  | 11 | Riv. Tenryu(Iwata City)                                       | nd             | nd      | nd      | 1.1             |
|   | Aichi Pref.     | 12 | Nagoya Port , West of Shiomi Wharf                            | 4.4            | 4.5     | 3.6     | 1.1             |
|   | Shiga Pref.     | 13 | Lake Biwa(center, offshore of Minamihira)                     | nd             | nd      | nd      | 1.1             |
|   |                 | 14 | Lake Biwa(center, offshore of Karasaki)                       | nd             | nd      | nd      | 1.1             |
|   | Kyoto City      | 15 | Miyamae-bashi Bridge,Riv. Katsura(Kyoto City)                 | nd             | nd      | nd      | 1.1             |
|   | Osaka Pref.     | 16 | Mouth of Riv. Yamato(Sakai City)                              | 11             | 3.9     | 6.3     | 1.1             |
|   | Hyogo Pref.     | 17 | Offshore of Himeji  | 14             | 11      | 11      | 1.1             |
|   | Wakayama Pref.  | 18 | Wakayamashimotsu Port, Honkou Port Area                       | 9.2            | 5.4     | 6.1     | 1.1             |
|   | Okayama Pref.   | 19 | Offshore of Mizushima   | 8.0            | 5.9     | 13      | 1.1             |
|   | Yamaguchi Pref. | 20 | Offshore of Hagi  | 1.9            | 2.4     | 3       | 1.1             |
|   | Fukuoka City    | 21 | Hakata Bay  | 18             | 11      | 33      | 1.1             |
|   | Saga Pref.      | 22 | Imari Bay   | 4.6            | 8.6     | 8.2     | 1.1             |
|   | Oita Pref.      | 23 | Mouth of Riv. Oita(Oita City)                                 | nd             | nd      | 10      | 1.1             |
|   | Miyazaki Pref.  | 24 | Mouth of Riv. Oyodo(Miyazaki City)                            | nd             | nd      | nd      | 1.1             |
| [7] Naphthalene                                       | Hokkaido        | 1  | Ishikarikakokyo Bridge, Mouth of Riv. Ishikari(Ishikari City) | 56             | 78      | 97      | 1.6             |
| Detailed Environmental Survey/sediment (ng/g-dry)     |                 | 2  | Tomakomai Port  | 30             | 22      | 33      | 0.66            |
| Detection Frequency (site) :23/23(Missing value :0)   |                 | 3  | Muroran Port**  | 1,300          | 840     |         | 1.5             |
| Detection Frequency (sample) :68/68(Missing value :0) | Sendai City     | 4  | Hirose-ohashi Bridge, Riv. Hirose(Sendai City)                | 0.91           | 0.58    | 1.2     | 0.37            |
| Detection range :0.58~2,400                           | Akita Pref.     | 5  | Akita Canal(Akita City)                                       | 8.9            | 15      | 17      | 0.60            |
| Detection limit range :0.34~ 2.7                      | Yamagata Pref.  | 6  | Mouth of Riv. Mogami(Sakata City)                             | 12             | 9.1     | 8.5     | 0.35            |
| Detection limit :0.34                                 | Chiba Pref.     | 7  | Coast of Ichihara and Anegasaki                               | 22             | 28      | 98      | 1.3             |
| Requested Detection limit :0.091                      | Tokyo Met.      | 8  | Mouth of Riv. Arakawa(Koto Ward)                              | 56             | 21      | 35      | 0.53            |
|   |                 | 9  | Mouth of Riv. Sumida(Minato Ward)                             | 140            | 110     | 100     | 2.2             |
|   | Yokohama City   | 10 | Yokohama Port   | 110            | 110     | 97      | 2.7             |
|   | Kawasaki City   | 11 | Keihin Canal, Port of Kawasaki, The Coast of Ougi Town        | 830            | 580     | 440     | 2.5             |
|   | Toyama Pref.    | 12 | Hagiura-bashi Bridge, Mouth of Riv. Jintsu(Toyama City)       | 11             | 3.1     | 2.4     | 0.34            |
|   | Shizuoka Pref.  | 13 | Shimizu Port  | 5.3            | 4.5     | 3.8     | 0.48            |
|   | Aichi Pref.     | 14 | Nagoya Port , West of Shiomi Wharf                            | 360            | 250     | 230     | 2.0             |
|   | Osaka Pref.     | 15 | Mouth of Riv. Yamato(Sakai City)                              | 15             | 10      | 15      | 0.57            |
|   | Osaka City      | 16 | Osaka Port  | 220            | 140     | 130     | 2.3             |
|   | Hyogo Pref.     | 17 | Masago-bashi Bridge, Riv. Hayashida(Tatsuno City)             | 7.3            | 5.4     | 6       | 1.1             |
|   | Nara Pref.      | 18 | Taisho-bashi Bridge, Riv. Yamato(Oji Town)                    | 3.7            | 1.6     | 1.3     | 0.35            |
|   | Wakayama Pref.  | 19 | Kinokawa-ohashi Bridge, Mouth of Riv. Kinokawa(Wakayama City) | 1.3            | 2.5     | 1       | 0.48            |
|   | Yamaguchi Pref. | 20 | Tokuyama Bay  | 12             | 12      | 9.7     | 0.71            |
|   | Kagawa Pref.    | 21 | Takamatsu Port  | 38             | 47      | 40      | 0.65            |
|   | Kitakyushu City | 22 | Dokai Bay   | 1,100          | 950     | 2,400   | 1.9             |
|   | Fukuoka City    | 23 | Hakata Bay  | 20             | 19      | 16      | 0.49            |
|   | - IIII Sha Chy  | ì  | ,   | 1              | /       |         |                 |

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

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

(Note 2) --- : 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                      | No | Monitored sites  | N        | Reported |          |                 |
|--|----------------------------|----|--|----------|----------|----------|-----------------|
|  | communities                |    |  | Sample1  | Sample2  | Sample3  | Detection limit |
| [6-1] o-Toluidine                                    | Hokkaido                   | 1  | Hokkaido Research Organization Environmental and Geological Research<br>Department Institute of Environmental Sciences(Sapporo City) | nd       | nd       | nd       | 0.31            |
| Detailed Environmental Survey/air (ng/m3)            | Ibaraki Pref.              | 2  | Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)   | nd       | nd       | nd       | 0.31            |
| Detection Frequency (site) :0/15(Missing value :0)   | Chiba Pref.                | 3  | Ichihara-Iwasakinishi Air Quality Monitoring Station(Ichihara City)  | nd       | nd       | nd       | 0.32            |
| Detection Frequency (sample) :0/45(Missing value :0) | Kanagawa Pref.             | 4  | Kanagawa Environmental Research Center(Hiratsuka City)   | nd       | *1.1     | nd       | 0.31            |
| Detection range :nd                                  | Nagano Pref.               | 5  | Nagano Environmental Conservation Research Institute(Nagano City)  | nd       | nd       | nd       | 0.31            |
| Detection limit range :0.30~ 1.8                     |                            | 6  | Tatsuno Town Office(Tatsuno Town)  | nd       | nd       | nd       | 0.31            |
| Detection limit :1.8                                 | Nagoya City                | 7  | Chikusa Ward Heiwa Park(Nagoya City)   | nd       | nd       | nd       | 0.30            |
| Requested Detection limit :20                        | Mie Pref.                  | 8  | Mie Prefecture Health and Environment Research Institute(Yokkaichi City)   | nd       | nd       | nd       | 1.8             |
|  | Kyoto City                 | 9  | Kyoto City Institute of Health and Environmental Sciences(Kyoto City)  | nd       | nd       | nd       | 0.31            |
|  | Osaka Pref.                | 10 | Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)  | nd       | nd       | nd       | 0.30            |
|  |                            | 11 | Shodai Air Quality Monitoring Station(Hirakata City)   | nd       | nd       | *1.0     | 0.30            |
|  | Yamaguchi Pref.            | 12 | Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)   | nd       | nd       | nd       | 0.32            |
|  | Tokushima Pref.            | 13 | Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)                                | nd       | nd       | nd       | 0.31            |
|  | Saga Pref.                 | 14 | Saga Prefectural Environmental Research Center(Saga City)  | nd       | nd       | nd       | 0.31            |
|  | Oita Pref.                 | 15 | Oita City Misa Elementary School(Oita City)  | nd       | nd       | nd       | 0.31            |
| [6-2] m-Toluidine                                    | Hokkaido                   | 1  | Hokkaido Research Organization Environmental and Geological Research<br>Department Institute of Environmental Sciences(Sapporo City) | nd       | nd       | nd       | 0.25            |
| Detailed Environmental Survey/air (ng/m3)            | Ibaraki Pref.              | 2  | Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)   | nd       | nd       | nd       | 0.25            |
| Detection Frequency (site) :0/15(Missing value :0)   | Chiba Pref.                | 3  | Ichihara-Iwasakinishi Air Quality Monitoring Station(Ichihara City)  | nd       | nd       | nd       | 0.26            |
| Detection Frequency (sample) :0/45(Missing value :0) | Kanagawa Pref.             | 4  | Kanagawa Environmental Research Center(Hiratsuka City)   | nd       | nd       | nd       | 0.25            |
| Detection range :nd                                  | Nagano Pref.               | 5  | Nagano Environmental Conservation Research Institute(Nagano City)  | nd       | nd       | nd       | 0.25            |
| Detection limit range :0.24~ 0.91                    |                            | 6  | Tatsuno Town Office(Tatsuno Town)  | nd       | nd       | nd       | 0.25            |
| Detection limit :0.91                                | Nagoya City                | 7  | Chikusa Ward Heiwa Park(Nagoya City)   | nd       | nd       | nd       | 0.24            |
| Requested Detection limit : -                        | Mie Pref.                  | 8  | Mie Prefecture Health and Environment Research Institute(Yokkaichi City)   | nd       | nd       | nd       | 0.91            |
|  | Kyoto City                 | 9  | Kyoto City Institute of Health and Environmental Sciences(Kyoto City)  | nd       | nd       | nd       | 0.25            |
|  | Osaka Pref.                | 10 | Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)  | nd       | nd       | nd       | 0.24            |
|  |                            | 11 | Shodai Air Quality Monitoring Station(Hirakata City)   | nd       | nd       | nd       | 0.24            |
|  | Yamaguchi Pref.            | 12 | Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)   | nd       | nd       | nd       | 0.25            |
|  | Tokushima Pref.            | 13 | Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)                                | nd       | nd       | nd       | 0.25            |
|  | Saga Pref.                 | 14 | Saga Prefectural Environmental Research Center(Saga City)  | nd       | nd       | nd       | 0.25            |
|  | Oita Pref.                 | 15 | Oita City Misa Elementary School(Oita City)  | nd       | nd       | nd       | 0.25            |
| [6-3] p-Toluidine                                    | Hokkaido                   | 1  | Hokkaido Research Organization Environmental and Geological Research<br>Department Institute of Environmental Sciences(Sapporo City) | nd       | nd       | nd       | 0.42            |
| Detailed Environmental Survey/air (ng/m3)            | Ibaraki Pref.              | 2  | Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)   | nd       | nd       | nd       | 0.41            |
| Detection Frequency (site) :0/15(Missing value :0)   | Chiba Pref.                | 3  | Ichihara-Iwasakinishi Air Quality Monitoring Station(Ichihara City)  | nd       | nd       | nd       | 0.43            |
| Detection Frequency (sample) :0/45(Missing value :0) | Kanagawa Pref.             | 4  | Kanagawa Environmental Research Center(Hiratsuka City)   | nd       | nd       | nd       | 0.42            |
| Detection range :nd                                  | Nagano Pref.               | 5  | Nagano Environmental Conservation Research Institute(Nagano City)  | nd       | nd       | nd       | 0.41            |
| Detection limit range :0.41~ 1.4                     |                            | 6  | Tatsuno Town Office(Tatsuno Town)  | nd       | nd       | nd       | 0.42            |
| Detection limit :1.4                                 | Nagoya City                | 7  | Chikusa Ward Heiwa Park(Nagoya City)   | nd       | nd       | nd       | 0.41            |
| Requested Detection limit :8,800                     | Mie Pref.                  | 8  | Mie Prefecture Health and Environment Research Institute(Yokkaichi City)   | nd       | nd       | nd       | 1.4             |
|  | Kyoto City                 | 9  | Kyoto City Institute of Health and Environmental Sciences(Kyoto City)  | nd       | nd       | nd       | 0.42            |
|  | Osaka Pref.                | 10 | Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)  | nd       | nd       | nd       | 0.41            |
|  | Vamagushi Dr-f             | 11 | Shodai Air Quality Monitoring Station(Hirakata City)  Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi     | nd       | nd<br>nd | nd<br>nd | 0.41            |
|  | Yamaguchi Pref.            | 13 | City) Tokushima Prefectural Public Health, Pharmaceutical and Environmental  | nd       | nd       | nd       |                 |
|  | Tokushima Pref. Saga Pref. | 13 | Sciences Center(Tokushima City) Saga Prefectural Environmental Research Center(Saga City)  | nd<br>nd | nd<br>nd | nd<br>nd | 0.42            |
|  | Oita Pref.                 | 15 | Oita City Misa Elementary School(Oita City)  | nd       | nd       | nd       | 0.42            |
|  |                            |    | , , , , , , , , , , , , , , , , , , ,  |          |          |          |                 |

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 then unified detection limit)

|   | Local           |    |  | Measured value |         |         | Reported        |
|---|-----------------|----|--|----------------|---------|---------|-----------------|
| Target chemicals                                      | communities     | No | Monitored sites  | Sample1        | Sample2 | Sample3 | Detection limit |
| [9] Nitrobenzene                                      | Hokkaido        | 1  | Hokkaido Research Organization Environmental and Geological Research<br>Department Institute of Environmental Sciences(Sapporo City) | nd             | nd      | nd      | 3.6             |
| Detailed Environmental Survey/air (ng/m3)             | Sendai City     | 2  | Tsutsujigaoka Park(Sendai City)  | nd             | nd      | nd      | 3.5             |
| Detection Frequency (site) :3/22(Missing value :0)    | Ibaraki Pref.   | 3  | Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)   | nd             | nd      | nd      | 3.6             |
| Detection Frequency (sample) :9/66(Missing value :0)  | Saitama Pref.   | 4  | Center for Environmental Science in Saitama(Kazo City)   | nd             | nd      | nd      | 3.6             |
| Detection range :nd~ 140                              | Saitama City    | 5  | Saitama City Public Health Center(Saitama City)  | nd             | nd      | nd      | 3.5             |
| Detection limit range :3.5~ 5.4                       | Chiba Pref.     | 6  | Ichihara-Iwasakinishi Air Quality Monitoring Station(Ichihara City)  | nd             | nd      | nd      | 3.6             |
| Detection limit :5.4                                  | Tokyo Met.      | 7  | Tokyo Metropolitan Research Institute for Environmental Protection(Koto<br>Ward)   | nd             | nd      | nd      | 3.6             |
| Requested Detection limit :2,500                      | Tokyo Met.      | 8  | Chichijima Island(Ogasawara Village)   | nd             | nd      | nd      | 3.6             |
|   | Kanagawa Pref.  | 9  | Kanagawa Environmental Research Center(Hiratsuka City)   | nd             | nd      | nd      | 3.6             |
|   | Yokohama City   | 10 | Yokohama Environmental Science Research Institute(Yokohama City)   | nd             | nd      | nd      | 3.6             |
|   | Ishikawa Pref.  | 11 | Ishikawa Prefectural Institute of Public Health and Environmental<br>Science(Kanazawa City)  | nd             | nd      | nd      | 3.6             |
|   | Aichi Pref.     | 12 | Aichi Prefectural Anjo Norin(Agricultural and Forestry) Senior High<br>School(Anjo City)   | nd             | nd      | nd      | 5.4             |
|   | Nagoya City     | 13 | Chikusa Ward Heiwa Park(Nagoya City)   | nd             | nd      | nd      | 3.6             |
|   | Kyoto Pref.     | 14 | Kyoto Prefecture Joyo Senior High School(Joyo City)  | nd             | nd      | nd      | 3.6             |
|   | Osaka Pref.     | 15 | Shijonawate National Air Quality Monitoring Station(Shijonawate City)  | 15             | 88      | 140     | 3.6             |
|   |                 | 16 | Shodai Air Quality Monitoring Station(Hirakata City)   | nd             | nd      | nd      | 3.6             |
|   | Wakayama Pref.  | 17 | Wakayama Prefectural Research Center of Environment and Public<br>Health(Wakayama City)  | *4.1           | *3.7    | nd      | 3.6             |
|   | Yamaguchi Pref. | 18 | Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)   | nd             | nd      | nd      | 3.6             |
|   | Kagawa Pref.    | 19 | Kagawa Prefectural Public Swimming Pool(Takamatsu City)  | nd             | nd      | nd      | 3.6             |
|   | Fukuoka Pref.   | 20 | Omuta City Government Building(Omuta City)   | 7.5            | 19      | 9.3     | 3.6             |
|   |                 | 21 | Fukuoka Institute of Health and Environmental Sciences(Dazaifu City)   | 6.0            | 6.0     | 6.1     | 3.6             |
|   | Saga Pref.      | 22 | Saga Prefectural Environmental Research Center(Saga City)  | nd             | nd      | nd      | 3.6             |
| [10] Methacrylic acid                                 | Hokkaido        | 1  | Hokkaido Research Organization Environmental and Geological Research<br>Department Institute of Environmental Sciences(Sapporo City) | nd             | nd      | nd      | 4.8             |
| Detailed Environmental Survey/air (ng/m3)             | Ibaraki Pref.   | 2  | Ibaraki Kasumigaura Environmental Science Center(Tsuchiura City)   | nd             | nd      | nd      | 4.8             |
| Detection Frequency (site) :8/17(Missing value :2)    | Saitama Pref.   | 3  | Center for Environmental Science in Saitama(Kazo City)   | 9.0            | 8.5     | nd      | 4.8             |
| Detection Frequency (sample) :16/51(Missing value :6) | Chiba Pref.     | 4  | Ichihara-Iwasakinishi Air Quality Monitoring Station(Ichihara City)  | 8.3            | *5.3    | 8.9     | 4.8             |
| Detection range :nd~ 9.1                              | Kanagawa Pref.  | 5  | Kanagawa Environmental Research Center(Hiratsuka City)   | nd             | 6.1     | 5.6     | 4.8             |
| Detection limit range :4.8~ 5.4                       | Nagano Pref.    | 6  | Nagano Environmental Conservation Research Institute(Nagano City)  | nd             | nd      | nd      | 4.8             |
| Detection limit :5.4                                  |                 | 7  | Tatsuno Town Office(Tatsuno Town)  | nd             | nd      | nd      | 4.8             |
| Requested Detection limit :34                         | Nagoya City     | 8  | Chikusa Ward Heiwa Park(Nagoya City)   |                |         |         |                 |
|   | Mie Pref.       | 9  | Mie Prefecture Health and Environment Research Institute(Yokkaichi City)   | nd             | nd      | nd      | 5.4             |
|   | Kyoto Pref.     | 10 | Kyoto Prefecture Joyo Senior High School(Joyo City)  | nd             | nd      | nd      | 4.8             |
|   | Kyoto City      | 11 | Kyoto City Institute of Health and Environmental Sciences(Kyoto City)  | 9.1            | 7.8     | nd      | 4.8             |
|   | Osaka Pref.     | 12 | Osaka Joint Prefectural Government Building, Building 2 Annex(Osaka City)  | *4.9           | 8.4     | 7.2     | 4.8             |
|   | Osaka Pref.     | 13 | Shodai Air Quality Monitoring Station(Hirakata City)   | 7.1            | 7.9     | 8.0     | 4.8             |
|   | Hyogo Pref.     | 14 | Shikama Air Quality Monitoring Station(Himeji City)  |                |         |         |                 |
|   | Yamaguchi Pref. | 15 | Yamaguchi Prefectural Institute of Public Health and Environment(Yamaguchi City)   | nd             | 5.8     | 5.6     | 4.8             |
|   | Tokushima Pref. | 16 | Tokushima Prefectural Public Health, Pharmaceutical and Environmental Sciences Center(Tokushima City)                                | nd             | nd      | *5.3    | 4.8             |
|   | Kagawa Pref.    | 17 | Kagawa Prefectural Public Swimming Pool(Takamatsu City)  | 7.2            | nd      | nd      | 4.8             |
|   |                 | 18 |  |                |         |         | 4.8             |
|   | Saga Pref.      | 19 | Saga Prefectural Environmental Research Center(Saga City)  | nd             | nd      | nd      | 4.8             |

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

(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 then unified detection limit) (excluded value from the subject of aggregation)