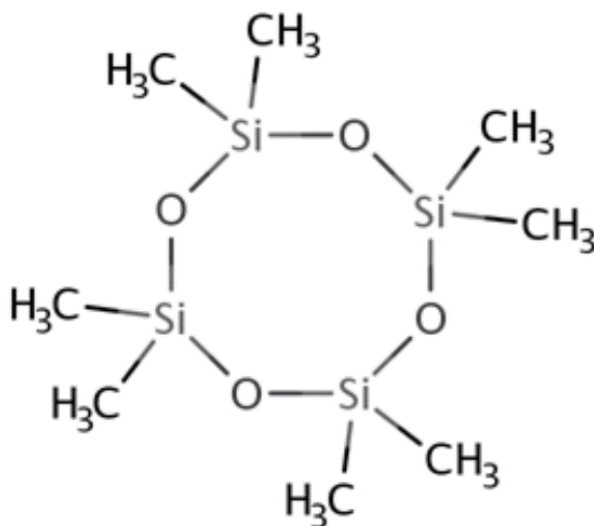


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**Data Extraction Information for  
General Population, Consumer, and Environmental Exposure for  
Octamethylcyclotetrasiloxane (D4)**

**Systematic Review Support Document for the Draft Risk Evaluation**

**CASRN: 556-67-2**



*September 2025*

This supplemental file contains information regarding the data extraction results for data sources that met the PECO screening criteria for the *Draft Consumer and Indoor Dust Exposure Assessment for Octamethylcyclotetrasiloxane (D4)*, *Draft Environmental Media and General Population Screening for Octamethylcyclotetrasiloxane (D4)*, and *Draft Environmental Exposure Assessment for Octamethylcyclotetrasiloxane (D4)*. EPA performs data extraction as part of the TSCA systematic review process described in the *Draft Systematic Review Protocol Supporting TSCA Risk Evaluations for Chemical Substances*. The systematic review steps are further described in the *Draft Risk Evaluation for Octamethylcyclotetrasiloxane (D4)* referred hereafter as the “D4 Systematic Review Protocol”.

EPA conducted data quality evaluation and extraction based on author-reported descriptions and results; additional analyses (e.g., statistical analyses) potentially conducted by EPA are not contained in this supplemental file. The data extraction results herein are organized by evidence streams and media types. A reference may contain data for multiple evidence streams and/or media types and will be cited in different tables if appropriate. The media type “All Applicable Media” refers to modeled doses or intakes calculated from human biomonitoring data (e.g., urine, blood, etc.) or when the media specific to the modeled route (e.g., inhalation, oral, etc.) are not clearly defined. In the data extraction results, “POINT VALUE(S)” denotes when the author(s) did not report a minimum, maximum, mean, or any other summary statistics, but rather single reported level(s) (e.g., chemical concentration). Summary statistic values that were less than the analytical limit were substituted with “0,” “ND,” “<LOD,” and “<LOQ,” as reported by the study. For further details about extraction criteria, review the D4 Systematic Review Protocol.

Acronyms and abbreviations used within this supplemental file are defined in the table at the end of this file. The two letter country codes defined herein are consistent with those used in the searchable International Standardization Organization (ISO) 3166 standard for country codes. Finally, “NR” preceding a country code indicates that the author(s) did not report the city, state and region. This supplemental file may also be referred to as D4 Data Extraction Information for General Population, Consumer, and Environmental Exposure. Consumer, and Environmental Exposure.

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Table 1: Data Extraction Tables of Exposure Monitoring Studies for Ambient Air

| Citation Information                                                  | Site and Data Description                                                                                                                                               | Limit (LOD/LOQ)                                            | Min                                                                                                                | Max | Mean                        | Percentile | Variance                     |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----|-----------------------------|------------|------------------------------|
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High       | Ontario, CA<br>Scenario: Ambient air near WWTP (background)<br>(n = 4; DF = 1; Sampling Period: Jul., 2009 - Sept., 2009)                                               | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported           | NR                                                                                                                 | NR  | 108 ng/m <sup>3</sup> (AM)  | NR         | 50.4 ng/m <sup>3</sup> (ASD) |
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High       | Ontario, CA<br>Scenario: Ambient air near Landfills<br>(n = 4; DF = 1; Sampling Period: Jun., 2009 - Aug., 2009)                                                        | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported           | POINT VALUE(S): [471 ng/m <sup>3</sup> ; 70.1 ng/m <sup>3</sup> ; 154 ng/m <sup>3</sup> ; 1840 ng/m <sup>3</sup> ] |     |                             |            |                              |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Nova Scotia, CA<br>Scenario: Background air from Sable Island -4m elevation<br>(n = 92; DF = 0; Sampling Period: Apr., 2009 - Jun., 2009)                               | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | NR                          | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Kosetice, CZ<br>Scenario: Background air from Kosetice - 534m elevation<br>(n = 91; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                   | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 9.3 ng/m <sup>3</sup> (AM)  | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Alert, Nunavut, CA<br>Scenario: Polar/Arctic, background air from Alert<br>(n = 90; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                   | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 12 ng/m <sup>3</sup> (AM)   | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Barrow, AK, US<br>Scenario: Polar/Arctic, background air from Barrow - 11m elevation<br>(n = 112; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                     | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 0.66 ng/m <sup>3</sup> (AM) | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Background air from Bratt's Lake - 595m elevation<br>(n = 95; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)             | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 2.6 ng/m <sup>3</sup> (AM)  | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Whistler, British Columbia, CA<br>Scenario: High altitude, background air from Whistler - 2180m elevation<br>(n = 86; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009) | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 45 ng/m <sup>3</sup> (AM)   | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Downsview, Ontario, CA<br>Scenario: Urban air from Downsview - 204m elevation<br>(n = 89; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                             | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 11 ng/m <sup>3</sup> (AM)   | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Tudor Hill, BM<br>Scenario: Background air from Tudor Hill - 32m elevation<br>(n = 95; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 3.9 ng/m <sup>3</sup> (AM)  | NR         | NR                           |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Ny Alesund, NO<br>Scenario: Polar/Arctic, background air from Ny Alesund - 475m elevation<br>(n = 94; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                 | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR                                                                                                                 | NR  | 16 ng/m <sup>3</sup> (AM)   | NR         | NR                           |

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Table 1 – continued from previous page

| Citation Information                                                  | Site and Data Description                                                                                                                                                                | Limit (LOD/LOQ)                                            | Min | Max | Mean                        | Percentile | Variance                  |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----|-----|-----------------------------|------------|---------------------------|
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Storhofdi, IS<br>Scenario: Background air from Storhofdi - 118m elevation<br>(n = 92; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                  | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 0.94 ng/m <sup>3</sup> (AM) | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Malin Head, IE<br>Scenario: Background air from Malin Head - 20m elevation<br>(n = 92; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                 | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 6.2 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Paris, FR<br>Scenario: Urban air from Paris - 35-40m elevation<br>(n = 98; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                             | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 50 ng/m <sup>3</sup> (AM)   | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Cape Grim, AU<br>Scenario: Background air from Cape Grim - 94m elevation<br>(n = 96; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                   | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 1.2 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Little Fox Lake, Yukon, CA<br>Scenario: High altitude, polar/Arctic, background air from Little Fox Lake - 1128m elevation<br>(n = 83; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009) | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 18 ng/m <sup>3</sup> (AM)   | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Fraserdale, Ontario, CA<br>Scenario: Background air from Fraserdale - 210m elevation<br>(n = 98; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                       | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 5.4 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Ucluelet, British Columbia, CA<br>Scenario: Background air from Ucluelet<br>(n = 92; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                   | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 44 ng/m <sup>3</sup> (AM)   | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Point Reyes, CA, US<br>Scenario: Background air from Point Reyes - 36m elevation<br>(n = 90; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                           | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 4.2 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Sydney, FL, US<br>Scenario: Urban air from Sydney<br>(n = 98; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                                                          | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 5.4 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Hilo, HI, US<br>Scenario: High altitude, background air from Hilo - 3397m elevation<br>(n = 91; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                        | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 24 ng/m <sup>3</sup> (AM)   | NR         | NR                        |
| Genualdi et al. 2011<br><b>HERO ID:</b> 2163280<br><i>OQD:</i> Medium | Groton, CT, US<br>Scenario: Urban/background air from Groton - industrial pollution<br>(n = 130; DF = 1; Sampling Period: Mar., 2009 - Jun., 2009)                                       | LOD: 0.001 ng/m <sup>3</sup><br>LOQ: 2.5 ng/m <sup>3</sup> | NR  | NR  | 3.9 ng/m <sup>3</sup> (AM)  | NR         | NR                        |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium   | Chicago, Illinois, US<br>Scenario: Ambient air in urban environment<br>(n = 16; DF = 1; Sampling Period: Aug., 2011)                                                                     | LOD: 1.19 ng/m <sup>3</sup><br>LOQ: 2.97 ng/m <sup>3</sup> | NR  | NR  | 54 ng/m <sup>3</sup> (AM)   | NR         | 43 ng/m <sup>3</sup> (SE) |

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Table 1 – continued from previous page

| Citation Information                                                            | Site and Data Description                                                                                                                                                   | Limit (LOD/LOQ)                                            | Min                   | Max                    | Mean                        | Percentile                   | Variance                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------|------------------------|-----------------------------|------------------------------|------------------------------|
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium             | Cedar Rapids, Iowa, US<br>Scenario: Ambient air in suburban environment<br>(n = 4; DF = 1; Sampling Period: Jun., 2011 - Jul., 2011)                                        | LOD: 0.59 ng/m <sup>3</sup><br>LOQ: 1.76 ng/m <sup>3</sup> | NR                    | NR                     | 17 ng/m <sup>3</sup> (AM)   | NR                           | 14 ng/m <sup>3</sup> (SE)    |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium             | West Branch, Iowa, US<br>Scenario: Ambient air in rural environment<br>(n = 5; DF = 1; Sampling Period: Jun., 2011 - Jul., 2011)                                            | LOD: 0.43 ng/m <sup>3</sup><br>LOQ: 1.25 ng/m <sup>3</sup> | NR                    | NR                     | 9.7 ng/m <sup>3</sup> (AM)  | NR                           | 3.3 ng/m <sup>3</sup> (SE)   |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2557591<br><i>OQD:</i> High             | Svalbard, NO<br>Scenario: Arctic ambient air summer<br>(n = 13; DF = 1; Sampling Period: Aug., 2011 - Oct., 2011)                                                           | LOD: 0.04 ng/m <sup>3</sup><br>LOQ: 0.06 ng/m <sup>3</sup> | ND                    | 0.95 ng/m <sup>3</sup> | NR                          | NR                           | NR                           |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2557591<br><i>OQD:</i> High             | Svalbard, NO<br>Scenario: Arctic ambient air winter<br>(n = 11; DF = 1; Sampling Period: Aug., 2011 - Oct., 2011)                                                           | LOD: 0.06 ng/m <sup>3</sup><br>LOQ: 0.11 ng/m <sup>3</sup> | ND                    | 2.13 ng/m <sup>3</sup> | NR                          | NR                           | NR                           |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High                   | East Shandong Province, CN<br>Scenario: Ambient air (background) samples in residential community - Zone C<br>(n = 6; DF = 0.33; Sampling Period: Aug., 2011 - Oct., 2011)  | LOD: Not Reported<br>LOQ: 0.36 ng/m <sup>3</sup>           | 14 ng/m <sup>3</sup>  | 22 ng/m <sup>3</sup>   | NR                          | NR                           | NR                           |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2674442<br><i>OQD:</i> High             | University of Toronto Scarborough, Toronto, CA<br>Scenario: Ambient air at University of Toronto Scarborough<br>(n = 28; DF = NR; Sampling Period: Mar., 2012 - Jun., 2012) | LOD: 6.05 ng/m <sup>3</sup><br>LOQ: 14.7 ng/m <sup>3</sup> | NR                    | NR                     | 24.2 ng/m <sup>3</sup> (AM) | NR                           | 19.1 ng/m <sup>3</sup> (ASD) |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2674442<br><i>OQD:</i> High             | Urban Sites in Toronto and Ontario, CA<br>Scenario: Ambient air from urban sites in Canada<br>(n = 21; DF = NR; Sampling Period: Jul., 2012 - Oct., 2012)                   | LOD: 10.7 ng/m <sup>3</sup><br>LOQ: 25.9 ng/m <sup>3</sup> | NR                    | NR                     | 41 ng/m <sup>3</sup> (AM)   | NR                           | 12 ng/m <sup>3</sup> (ASD)   |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2674442<br><i>OQD:</i> High             | Rural Sites in Toronto and Ontario, CA<br>Scenario: Ambient air from rural sites in Canada<br>(n = 3; DF = NR; Sampling Period: Jul., 2012 - Oct., 2012)                    | LOD: 10.7 ng/m <sup>3</sup><br>LOQ: 25.9 ng/m <sup>3</sup> | NR                    | NR                     | <LOD                        | NR                           | NR                           |
| Krogseth et al. 2013<br><b>HERO ID:</b> 2674442<br><i>OQD:</i> High             | STPs in Toronto and Ontario, CA<br>Scenario: Ambient air from STP sites in Canada<br>(n = 2; DF = NR; Sampling Period: Jul., 2012 - Oct., 2012)                             | LOD: 10.7 ng/m <sup>3</sup><br>LOQ: 25.9 ng/m <sup>3</sup> | NR                    | NR                     | <LOD                        | NR                           | NR                           |
| Ahrens et al. 2014<br><b>HERO ID:</b> 2691789<br><i>OQD:</i> High               | Toronto, Canada, CA<br>Scenario: Ambient air at meteorological station (active sampling method HV-AAS)<br>(n = 70; DF = 1; Sampling Period: Mar., 2010 - Apr., 2011)        | LOD: 0.79 ng/m <sup>3</sup><br>LOQ: 1.7 ng/m <sup>3</sup>  | 2.8 ng/m <sup>3</sup> | 77 ng/m <sup>3</sup>   | 16 ng/m <sup>3</sup> (AM)   | 50th: 14 ng/m <sup>3</sup> ; | 12 ng/m <sup>3</sup> (ASD)   |
| Ahrens et al. 2014<br><b>HERO ID:</b> 2691789<br><i>OQD:</i> High               | Toronto, Canada, CA<br>Scenario: Ambient air at meteorological station (passive sampling SIP-PAS)<br>(n = 12; DF = 1; Sampling Period: Mar., 2010 - Apr., 2011)             | LOD: 3.3 ng/m <sup>3</sup><br>LOQ: 6.2 ng/m <sup>3</sup>   | 9.3 ng/m <sup>3</sup> | 35 ng/m <sup>3</sup>   | 21 ng/m <sup>3</sup> (AM)   | 50th: 18 ng/m <sup>3</sup> ; | 8.3 ng/m <sup>3</sup> (ASD)  |
| Kierkegaard et al. 2013<br><b>HERO ID:</b> 2700474<br><i>OQD:</i> Uninformative | southwest of Stockholm, SE<br>Scenario: Ambient air in rural Swedish village<br>(n = 56; DF = 1; Sampling Period: Nov., 2011 - Dec., 2011)                                  | LOD: Not Reported<br>LOQ: 210 pg/m <sup>3</sup>            | 1.8 ng/m <sup>3</sup> | 8.0 ng/m <sup>3</sup>  | 3.5 ng/m <sup>3</sup> (AM)  | NR                           | NR                           |

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Table 1 – continued from previous page

| Citation Information                                          | Site and Data Description                                                                                                                                                                                                                   | Limit<br>(LOD/LOQ)                                            | Min | Max | Mean                                           | Percentile | Variance                              |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|-----|------------------------------------------------|------------|---------------------------------------|
| Shields et al. 1996<br><b>HERO ID: 3449521</b><br>OQD: Medium | WA; CA; UT; TX; MN; WI; IL; MI; MO; KS; AL; GA; FL;<br>IN; KY; OH; NY; MA; CT; PA; DE; NJ; MD; VA; DC, US<br>Scenario: Ambient air outside 70 U.S. commercial buildings<br>(n = 70; DF = 0.39; Sampling Period: Mar., 1991 - Apr.,<br>1991) | LOD: 0.05<br>$\mu\text{g}/\text{m}^3$<br>LOQ: Not<br>Reported | NR  | NR  | 0.1<br>$\mu\text{g}/\text{m}^3$<br>(GM)        | NR         | 3.0 $\mu\text{g}/\text{m}^3$<br>(GSD) |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment<br>plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [180 $\text{ng}/\text{m}^3$ ]  |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment<br>plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [393 $\text{ng}/\text{m}^3$ ]  |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment<br>plant 3, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [141 $\text{ng}/\text{m}^3$ ]  |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment<br>plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [43.3 $\text{ng}/\text{m}^3$ ] |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment<br>plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [55.1 $\text{ng}/\text{m}^3$ ] |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment<br>plant 3, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [51.1 $\text{ng}/\text{m}^3$ ] |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at rural area wastewater treat-<br>ment plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)                                                                         | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [31.0 $\text{ng}/\text{m}^3$ ] |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at rural area wastewater treat-<br>ment plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)                                                                         | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [56.5 $\text{ng}/\text{m}^3$ ] |            |                                       |
| Shoeib et al. 2016<br><b>HERO ID: 3463879</b><br>OQD: Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment<br>plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)                                                                                 | LOD: 0.72<br>$\text{ng}/\text{m}^3$<br>LOQ: Not<br>Reported   |     |     | POINT VALUE(S): [290 $\text{ng}/\text{m}^3$ ]  |            |                                       |

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| Citation Information                                                 | Site and Data Description                                                                                                                                     | Limit (LOD/LOQ)                                  | Min | Max | Mean                                     | Percentile | Variance                    |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|-----|------------------------------------------|------------|-----------------------------|
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)      | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [294 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at urban wastewater treatment plant 3, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)      | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [373 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [235 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [348 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at town wastewater treatment plant 3, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [223 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at rural area wastewater treatment plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Apr., 2014) | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [187 ng/m <sup>3</sup> ] |            |                             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium  | Ontario, CA<br>Scenario: Ambient air off-site at rural area wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Apr., 2014) | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     | POINT VALUE(S): [104 ng/m <sup>3</sup> ] |            |                             |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Constanti region of Tarragona industrial area<br>(n = 46; DF = 1; Sampling Period: 2013 - Jun., 2015)                 | LOD: 0.08 ng<br>LOQ: Not Reported                | NR  | NR  | 378 ng/m <sup>3</sup> (AM)               | NR         | 491 ng/m <sup>3</sup> (ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in El Morell region of Tarragona industrial area<br>(n = 66; DF = 1; Sampling Period: 2013 - Jun., 2015)                 | LOD: 0.08 ng<br>LOQ: Not Reported                | NR  | NR  | 483 ng/m <sup>3</sup> (AM)               | NR         | 602 ng/m <sup>3</sup> (ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Vilallonga region of Tarragona industrial area<br>(n = 40; DF = 1; Sampling Period: 2013 - Jun., 2015)                | LOD: 0.08 ng<br>LOQ: Not Reported                | NR  | NR  | 130 ng/m <sup>3</sup> (AM)               | NR         | 136 ng/m <sup>3</sup> (ASD) |

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| Citation Information                                                 | Site and Data Description                                                                                                                         | Limit (LOD/LOQ)                        | Min                                                            | Max | Mean                          | Percentile | Variance                       |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------|-----|-------------------------------|------------|--------------------------------|
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Perafort region of Tarragona industrial area<br>(n = 28; DF = 1; Sampling Period: 2013 - Jun., 2015)      | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 221 ng/m <sup>3</sup><br>(AM) | NR         | 104 ng/m <sup>3</sup><br>(ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Puigdelfi region of Tarragona industrial area<br>(n = 24; DF = 1; Sampling Period: 2013 - Jun., 2015)     | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 642 ng/m <sup>3</sup><br>(AM) | NR         | 394 ng/m <sup>3</sup><br>(ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in La Llagosta region of Valles industrial area<br>(n = 7; DF = 1; Sampling Period: Jan., 2015 - Feb., 2015) | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 676 ng/m <sup>3</sup><br>(AM) | NR         | 552 ng/m <sup>3</sup><br>(ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Montcada region of Valles industrial area<br>(n = 8; DF = 1; Sampling Period: Jan., 2015 - Feb., 2015)    | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 209 ng/m <sup>3</sup><br>(AM) | NR         | 179 ng/m <sup>3</sup><br>(ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Ripollet region of Valles industrial area<br>(n = 18; DF = 1; Sampling Period: Jan., 2015 - Feb., 2015)   | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 256 ng/m <sup>3</sup><br>(AM) | NR         | 195 ng/m <sup>3</sup><br>(ASD) |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Cerdanyola region of Valles industrial area<br>(n = 9; DF = 1; Sampling Period: Jan., 2015 - Feb., 2015)  | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 9 ng/m <sup>3</sup><br>(AM)   | NR         | 8 ng/m <sup>3</sup> (ASD)      |
| Gallego et al. 2017<br><b>HERO ID:</b> 3859990<br><i>OQD:</i> Medium | Catalan, ES<br>Scenario: Ambient Air in Els Monjos region of Penedes industrial area<br>(n = 26; DF = 1; Sampling Period: Jun., 2015)             | LOD: 0.08 ng<br>LOQ: Not Reported      | NR                                                             | NR  | 40 ng/m <sup>3</sup><br>(AM)  | NR         | 64 ng/m <sup>3</sup><br>(ASD)  |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium  | Not reported, CZ<br>Scenario: Ambient air from Kosetice during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Dec., 2012 - Apr., 2013)               | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [61 ng/m <sup>3</sup> ]                        |     |                               |            |                                |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium  | Not reported, CZ<br>Scenario: Ambient air from Kosetice during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)               | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [43 ng/m <sup>3</sup> ; 42 ng/m <sup>3</sup> ] |     |                               |            |                                |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium  | Not reported, CZ<br>Scenario: Ambient air from Kosetice during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)              | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [32 ng/m <sup>3</sup> ]                        |     |                               |            |                                |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium  | Not reported, CZ<br>Scenario: Ambient air from Kosetice during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Dec., 2013)              | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [22 ng/m <sup>3</sup> ]                        |     |                               |            |                                |

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| Citation Information                                         | Site and Data Description                                                                                                                             | Limit (LOD/LOQ)                        | Min | Max | Mean | Percentile                               | Variance |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-----|------|------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Alert, Nunavut, CA<br>Scenario: Ambient air from Alert during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Dec., 2012 - Mar., 2013)                    | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [72 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Alert, Nunavut, CA<br>Scenario: Ambient air from Alert during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)                   | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [18 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Ambient air from Bratt's Lake during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Dec., 2012 - Apr., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [23 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Ambient air from Bratt's Lake during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [26 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Ambient air from Bratt's Lake during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [100 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Ambient air from Bratt's Lake during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Dec., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [44 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Whistler, British Columbia, CA<br>Scenario: Ambient air from Whistler during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [43 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Whistler, British Columbia, CA<br>Scenario: Ambient air from Whistler during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [23 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Whistler, British Columbia, CA<br>Scenario: Ambient air from Whistler during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [6.4 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Whistler, British Columbia, CA<br>Scenario: Ambient air from Whistler during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Dec., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [26 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Toronto, Ontario, CA<br>Scenario: Ambient air from Toronto during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)                | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [35 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Toronto, Ontario, CA<br>Scenario: Ambient air from Toronto during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)                | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [41 ng/m <sup>3</sup> ]  |          |

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| Citation Information                                         | Site and Data Description                                                                                                              | Limit (LOD/LOQ)                        | Min | Max | Mean | Percentile                               | Variance |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-----|------|------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Toronto, Ontario, CA<br>Scenario: Ambient air from Toronto during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [22 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, BM<br>Scenario: Ambient air from Tudor Hill during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [31 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, BM<br>Scenario: Ambient air from Tudor Hill during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [37 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, BM<br>Scenario: Ambient air from Tudor Hill during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [17 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, BM<br>Scenario: Ambient air from Tudor Hill during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [76 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, NO<br>Scenario: Ambient air from Ny-Alesund during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [67 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, NO<br>Scenario: Ambient air from Ny-Alesund during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [32 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, IS<br>Scenario: Ambient air from Storhofoi during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Dec., 2012 - Mar., 2013)   | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [9.1 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, IS<br>Scenario: Ambient air from Storhofoi during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Mar., 2013 - Jul., 2013)   | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [9.1 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, IS<br>Scenario: Ambient air from Storhofoi during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [14 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, IS<br>Scenario: Ambient air from Malin Head during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Dec., 2012 - Apr., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [21 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Not reported, IS<br>Scenario: Ambient air from Malin Head during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [5.7 ng/m <sup>3</sup> ] |          |

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| Citation Information                                                | Site and Data Description                                                                                                                            | Limit (LOD/LOQ)                        | Min | Max | Mean | Percentile                               | Variance |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-----|------|------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, IS<br>Scenario: Ambient air from Malin Head during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)                | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [15 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, IS<br>Scenario: Ambient air from Malin Head during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014)                | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [9.1 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, AU<br>Scenario: Ambient air from Cape Grim during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)                 | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [59 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, AU<br>Scenario: Ambient air from Cape Grim during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)                 | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [6.2 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, AU<br>Scenario: Ambient air from Cape Grim during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)                 | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [49 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, AU<br>Scenario: Ambient air from Cape Grim during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014)                 | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [7.3 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Little Fox Lake, Yukon, CA<br>Scenario: Ambient air from Little Fox Lake during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Feb., 2013 - Jun., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [44 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Little Fox Lake, Yukon, CA<br>Scenario: Ambient air from Little Fox Lake during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jun., 2013 - Oct., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [24 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Little Fox Lake, Yukon, CA<br>Scenario: Ambient air from Little Fox Lake during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Dec., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [131 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Fraserdale, Ontario, CA<br>Scenario: Ambient air from Fraserdale during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)         | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [43 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Fraserdale, Ontario, CA<br>Scenario: Ambient air from Fraserdale during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)         | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [13 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Fraserdale, Ontario, CA<br>Scenario: Ambient air from Fraserdale during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)        | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [24 ng/m <sup>3</sup> ]  |          |

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| Citation Information                                         | Site and Data Description                                                                                                                             | Limit (LOD/LOQ)                        | Min | Max | Mean | Percentile                               | Variance |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----|-----|------|------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Fraserdale, Ontario, CA<br>Scenario: Ambient air from Fraserdale during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Dec., 2013)         | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [53 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Ucluelet, British Columbia, CA<br>Scenario: Ambient air from Ucluelet during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [121 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Ucluelet, British Columbia, CA<br>Scenario: Ambient air from Ucluelet during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [96 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Ucluelet, British Columbia, CA<br>Scenario: Ambient air from Ucluelet during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013)    | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [41 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Ucluelet, British Columbia, CA<br>Scenario: Ambient air from Ucluelet during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Dec., 2013)    | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [11 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Sable Island, Nova Scotia, CA<br>Scenario: Ambient air from Sable Island during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)  | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [16 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Sable Island, Nova Scotia, CA<br>Scenario: Ambient air from Sable Island during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013)               | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [48 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Sable Island, Nova Scotia, CA<br>Scenario: Ambient air from Sable Island during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Sept., 2013) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [54 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Sable Island, Nova Scotia, CA<br>Scenario: Ambient air from Sable Island during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Jan., 2014) | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [11 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Point Reyes California, US<br>Scenario: Ambient air from Point Reyes during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jun., 2013)      | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [66 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Point Reyes California, US<br>Scenario: Ambient air from Point Reyes during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jun., 2013 - Sept., 2013)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [3.7 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID: 5186328</b><br>OQD: Medium | Point Reyes California, US<br>Scenario: Ambient air from Point Reyes during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Jan., 2014)     | LOD: Not Reported<br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [26 ng/m <sup>3</sup> ]  |          |

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| Citation Information                                                | Site and Data Description                                                                                                                                        | Limit (LOD/LOQ)                                    | Min | Max | Mean | Percentile                                | Variance |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|-----|------|-------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Sydney, Florida, US<br>Scenario: Ambient air from Sydney during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)                             | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [52 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Sydney, Florida, US<br>Scenario: Ambient air from Sydney during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)                             | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [49 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Sydney, Florida, US<br>Scenario: Ambient air from Sydney during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)                             | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [76 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Sydney, Florida, US<br>Scenario: Ambient air from Sydney during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014)                             | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [62 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Hilo, Hawaii, US<br>Scenario: Ambient air from Hilo during Q1 2013<br>(n = 1; DF = 1; Sampling Period: Jan., 2013 - Apr., 2013)                                  | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [145 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Hilo, Hawaii, US<br>Scenario: Ambient air from Hilo during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Apr., 2013 - Jul., 2013)                                  | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [29 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Hilo, Hawaii, US<br>Scenario: Ambient air from Hilo during Q3 2013<br>(n = 1; DF = 1; Sampling Period: Jul., 2013 - Oct., 2013)                                  | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [83 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Hilo, Hawaii, US<br>Scenario: Ambient air from Hilo during Q4 2013<br>(n = 1; DF = 1; Sampling Period: Oct., 2013 - Jan., 2014)                                  | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [117 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Groton, Connecticut, US<br>Scenario: Ambient air from Groton during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Mar., 2013 - May, 2013)                          | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [68 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Mount Revelstoke, British Columbia, CA<br>Scenario: Ambient air from Mount Revelstoke during 2013<br>(n = 1; DF = 1; Sampling Period: Sept., 2012 - Sept., 2013) | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [22 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, CZ<br>Scenario: Ambient air from Kosetice during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                              | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [0.81 ng/m <sup>3</sup> ] |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Alert, Nunavut, CA<br>Scenario: Ambient air from Alert during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Jul., 2015)                               | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [1.6 ng/m <sup>3</sup> ]  |          |

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| Citation Information                                                | Site and Data Description                                                                                                                             | Limit (LOD/LOQ)                                    | Min | Max | Mean | Percentile                                | Variance |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|-----|------|-------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Barrow, Arkansas, US<br>Scenario: Ambient air from Barrow during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jun., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [14 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Bratt's Lake, Saskatchewan, CA<br>Scenario: Ambient air from Bratt's Lake during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Jul., 2015) | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [35 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Whistler, British Columbia, CA<br>Scenario: Ambient air from Whistler during Q2 2015<br>(n = 1; DF = 1; Sampling Period: May, 2015 - Jul., 2015)      | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [ <LOD]                   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Toronto, Ontario, CA<br>Scenario: Ambient air from Toronto during Q2 2015<br>(n = 1; DF = 1; Sampling Period: May, 2015 - Oct., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [55 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, BM<br>Scenario: Ambient air from Tudor Hill during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Aug., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [6.8 ng/m <sup>3</sup> ]  |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, NO<br>Scenario: Ambient air from Ny-Alesund during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [18 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, IS<br>Scenario: Ambient air from Storhofoi during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Jun., 2015 - Sept., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [11 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, IS<br>Scenario: Ambient air from Malin Head during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Jul., 2015)                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [14 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, FR<br>Scenario: Ambient air from Paris during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                      | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [33 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Not reported, AU<br>Scenario: Ambient air from Cape Grim during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                  | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [11 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Little Fox Lake, Yukon, CA<br>Scenario: Ambient air from Little Fox Lake during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Jul., 2015 - Sept., 2015) | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [ <LOD]                   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Fraserdale, Ontario, CA<br>Scenario: Ambient air from Fraserdale during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)          | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [0.80 ng/m <sup>3</sup> ] |          |

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| Citation Information                                                | Site and Data Description                                                                                                                                           | Limit (LOD/LOQ)                                    | Min | Max | Mean | Percentile                                | Variance |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|-----|------|-------------------------------------------|----------|
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Ucluelet, British Columbia, CA<br>Scenario: Ambient air from Ucluelet during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                   | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [40 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Sable Island, Nova Scotia, CA<br>Scenario: Ambient air from Sable Island during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Jul., 2015)                | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [40 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Point Reyes California, US<br>Scenario: Ambient air from Point Reyes during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Mar., 2015 - Jun., 2015)                    | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [ <LOD]                   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Hilo, Hawaii, US<br>Scenario: Ambient air from Hilo during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Apr., 2015 - Jul., 2015)                                     | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [38 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Mount Revelstoke, British Columbia, CA<br>Scenario: Ambient air from Mount Revelstoke during Q2 2015<br>(n = 1; DF = 1; Sampling Period: Sept., 2014 - Sept., 2015) | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [30 ng/m <sup>3</sup> ]   |          |
| Rauert et al. 2018<br><b>HERO ID:</b> 5186328<br><i>OQD:</i> Medium | Alert, Nunavut, CA<br>Scenario: Ambient air from Alert during Q2 2013<br>(n = 1; DF = 1; Sampling Period: Mar., 2013 - Jul., 2013)                                  | LOD: Not Reported<br>LOQ: Not Reported             |     |     |      | POINT VALUE(S): [42 ng/m <sup>3</sup> ]   |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Bomi<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                         | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [37.8 ng/m <sup>3</sup> ] |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Rawu<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                         | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [54.2 ng/m <sup>3</sup> ] |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Lunang<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                       | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [43.5 ng/m <sup>3</sup> ] |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Qamdo<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                        | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [53.5 ng/m <sup>3</sup> ] |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Chayu<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                        | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [96.6 ng/m <sup>3</sup> ] |          |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium   | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Nam Co<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)                       | LOD: 115.0 ng/sample<br>LOQ: Not Reported          |     |     |      | POINT VALUE(S): [20.2 ng/m <sup>3</sup> ] |          |

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| Citation Information                                              | Site and Data Description                                                                                                                          | Limit (LOD/LOQ)                                            | Min | Max | Mean                                      | Percentile | Variance                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----|-----|-------------------------------------------|------------|---------------------------------|
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - GBJD<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)        | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [59.5 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Lhasa<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)       | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [54.6 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Lhaze<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)       | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [42.7 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Xigaze<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)      | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [34.3 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Mt. Everest<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013) | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [27.8 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Saga<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)        | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [15.8 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Golmud<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)      | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [48.6 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Naqu<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)        | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [11.2 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Gar<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)         | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [13.5 ng/m <sup>3</sup> ] |            |                                 |
| Wang et al. 2018<br><b>HERO ID:</b> 5882740<br><i>OQD:</i> Medium | Tibetan Plateau, China, CN<br>Scenario: Ambient air from Tibetan Plateau - Muztagata<br>(n = 1; DF = 1; Sampling Period: May, 2013 - Jul., 2013)   | LOD: 115.0 ng/sample<br>LOQ: Not Reported                  |     |     | POINT VALUE(S): [6.1 ng/m <sup>3</sup> ]  |            |                                 |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium  | Southwest China, CN<br>Scenario: Ambient air near Lake Dian - winter<br>(n = 20; DF = 1; Sampling Period: Jan., 2017)                              | LOD: 0.13 ng/m <sup>3</sup><br>LOQ: 0.35 ng/m <sup>3</sup> | NR  | NR  | 13.4 ng/m <sup>3</sup><br>(AM)            | NR         | 4.9 ng/m <sup>3</sup><br>(ASD)  |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium  | Southwest China, CN<br>Scenario: Ambient air near Lake Dian - summer<br>(n = 20; DF = 1; Sampling Period: Jul., 2017)                              | LOD: 0.13 ng/m <sup>3</sup><br>LOQ: 0.35 ng/m <sup>3</sup> | NR  | NR  | 5.38 ng/m <sup>3</sup><br>(AM)            | NR         | 3.13 ng/m <sup>3</sup><br>(ASD) |

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Table 1 – continued from previous page

| Citation Information                                              | Site and Data Description                                                                                                                                   | Limit (LOD/LOQ)                                         | Min                                                              | Max                    | Mean                        | Percentile | Variance                    |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------|------------------------|-----------------------------|------------|-----------------------------|
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High     | Dalian, China, CN<br>Scenario: Outdoor air from male dormitories at Dalian Maritime University in China<br>(n = 13; DF = 1; Sampling Period: Jun., 2015)    | LOD: 5.3 ng/m <sup>3</sup><br>LOQ: 12 ng/m <sup>3</sup> | 16 ng/m <sup>3</sup>                                             | 59 ng/m <sup>3</sup>   | 30 ng/m <sup>3</sup> (AM)   | NR         | 12 ng/m <sup>3</sup> (ASD)  |
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High     | Dalian, China, CN<br>Scenario: Outdoor air from female dormitories at Dalian Maritime University in China<br>(n = 12; DF = NR; Sampling Period: Jun., 2015) | LOD: 5.3 ng/m <sup>3</sup><br>LOQ: 12 ng/m <sup>3</sup> | <LOQ                                                             | 76 ng/m <sup>3</sup>   | 34 ng/m <sup>3</sup> (AM)   | NR         | 18 ng/m <sup>3</sup> (ASD)  |
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High     | Dalian, China, CN<br>Scenario: Outdoor air from reference site at Dalian Maritime University in China<br>(n = 13; DF = 1; Sampling Period: Jun., 2015)      | LOD: 5.3 ng/m <sup>3</sup><br>LOQ: 12 ng/m <sup>3</sup> | 14 ng/m <sup>3</sup>                                             | 54 ng/m <sup>3</sup>   | 29 ng/m <sup>3</sup> (AM)   | NR         | 12 ng/m <sup>3</sup> (ASD)  |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in urban mixed areas (Guangzhou)<br>(n = 32; DF = NR; Sampling Period: Jul., 1996)                            | LOD: Not Reported<br>LOQ: Not Reported                  | 0.0 µg/m <sup>3</sup>                                            | 3.3 µg/m <sup>3</sup>  | 0.9 µg/m <sup>3</sup> (AM)  | NR         | 0.9 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in industrial area (Guangzhou)<br>(n = 8; DF = NR; Sampling Period: Jul., 1996)                               | LOD: Not Reported<br>LOQ: Not Reported                  | 6.4 µg/m <sup>3</sup>                                            | 20.5 µg/m <sup>3</sup> | 13.5 µg/m <sup>3</sup> (AM) | NR         | 6.1 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in a landfill (Guangzhou)<br>(n = 12; DF = NR; Sampling Period: Jul., 1996)                                   | LOD: Not Reported<br>LOQ: Not Reported                  | 2.2 µg/m <sup>3</sup>                                            | 17.5 µg/m <sup>3</sup> | 11.4 µg/m <sup>3</sup> (AM) | NR         | 5.5 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in a WWTP (Guangzhou)<br>(n = 4; DF = NR; Sampling Period: Jul., 1996)                                        | LOD: Not Reported<br>LOQ: Not Reported                  | 3.0 µg/m <sup>3</sup>                                            | 16.2 µg/m <sup>3</sup> | 10.3 µg/m <sup>3</sup> (AM) | NR         | 5.6 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in suburban area (Guangzhou)<br>(n = 18; DF = NR; Sampling Period: Jul., 1996)                                | LOD: Not Reported<br>LOQ: Not Reported                  | 0.0 µg/m <sup>3</sup>                                            | 1.6 µg/m <sup>3</sup>  | 0.4 µg/m <sup>3</sup> (AM)  | NR         | 0.4 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Guangzhou, China, CN<br>Scenario: Ambient air in a suburban forest park (Guangzhou)<br>(n = 2; DF = 0; Sampling Period: Jul., 1996)                         | LOD: Not Reported<br>LOQ: Not Reported                  | NR                                                               | NR                     | ND                          | NR         | NR                          |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Macau, China, CN<br>Scenario: Ambient air in Peninsular (Macau)<br>(n = 10; DF = NR; Sampling Period: Nov., 1995)                                           | LOD: Not Reported<br>LOQ: Not Reported                  | 0.8 µg/m <sup>3</sup>                                            | 4.3 µg/m <sup>3</sup>  | 3.0 µg/m <sup>3</sup> (AM)  | NR         | 1.0 µg/m <sup>3</sup> (ASD) |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Macau, China, CN<br>Scenario: Ambient air in Taipa (Macau)<br>(n = 2; DF = 1; Sampling Period: Nov., 1995)                                                  | LOD: Not Reported<br>LOQ: Not Reported                  | POINT VALUE(S): [2.4 µg/m <sup>3</sup> ; 2.6 µg/m <sup>3</sup> ] |                        |                             |            |                             |
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium | Macau, China, CN<br>Scenario: Ambient air in Coloane (Macau)<br>(n = 2; DF = 1; Sampling Period: Nov., 1995)                                                | LOD: Not Reported<br>LOQ: Not Reported                  | POINT VALUE(S): [0.2 µg/m <sup>3</sup> ; 0.3 µg/m <sup>3</sup> ] |                        |                             |            |                             |

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| Citation Information                                                       | Site and Data Description                                                                                                                        | Limit (LOD/LOQ)                                                | Min                                                                                 | Max                              | Mean                                     | Percentile                            | Variance                               |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|---------------------------------------|----------------------------------------|
| Wang et al. 2001<br><b>HERO ID:</b> 6834054<br><i>OQD:</i> Medium          | Macau, China, CN<br>Scenario: Ambient air in city areas (Nanhai)<br>(n = 24; DF = NR; Sampling Period: Jul., 1996)                               | LOD: Not Reported<br>LOQ: Not Reported                         | 0.0<br>$\mu\text{g}/\text{m}^3$                                                     | 3.5<br>$\mu\text{g}/\text{m}^3$  | 0.9<br>$\mu\text{g}/\text{m}^3$<br>(AM)  | NR                                    | 1.0 $\mu\text{g}/\text{m}^3$<br>(ASD)  |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium            | Dalian, China, CN<br>Scenario: Background air in China<br>(n = 16; DF = 0.69; Sampling Period: Jun., 2016 - Jul., 2017)                          | LOD: 0.00113<br>ng/sample<br>LOQ: 0.00377<br>ng/sample         | <LOD                                                                                | 1.95<br>$\mu\text{g}/\text{m}^3$ | 0.64<br>$\mu\text{g}/\text{m}^3$<br>(AM) | 50th: 0.55 $\mu\text{g}/\text{m}^3$ ; | 0.60 $\mu\text{g}/\text{m}^3$<br>(ASD) |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium            | Harbin, CN<br>Scenario: Air 500m away from WWTP<br>(n = 12; DF = NR; Sampling Period: Jan., 2012 - Oct., 2012)                                   | LOD: Not Reported<br>LOQ: 0.9-9.1<br>pg/ $\text{m}^3$          | <LOD                                                                                | 27.4<br>ng/ $\text{m}^3$         | 15.3<br>ng/ $\text{m}^3$<br>(AM)         | NR                                    | NR                                     |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium            | Harbin, CN<br>Scenario: Air from urban city center<br>(n = 12; DF = NR; Sampling Period: Jan., 2012 - Oct., 2012)                                | LOD: Not Reported<br>LOQ: 0.9-9.1<br>pg/ $\text{m}^3$          | <LOD                                                                                | 4.7<br>ng/ $\text{m}^3$          | 3.9<br>ng/ $\text{m}^3$<br>(AM)          | NR                                    | NR                                     |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High             | Yunnan Province, CN<br>Scenario: Residential outdoor air in China<br>(n = 20; DF = 0.60; Sampling Period: Jan., 2017 - Mar., 2017)               | LOD: 0.13<br>ng/ $\text{m}^3$<br>LOQ: 0.35<br>ng/ $\text{m}^3$ | 16<br>$\mu\text{g}/\text{m}^3$                                                      | 26<br>$\mu\text{g}/\text{m}^3$   | NR                                       | NR                                    | NR                                     |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High             | Yunnan Province, CN<br>Scenario: Office outdoor air in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                      | LOD: 0.13<br>ng/ $\text{m}^3$<br>LOQ: 0.35<br>ng/ $\text{m}^3$ | NR                                                                                  | NR                               | 0 $\mu\text{g}/\text{m}^3$<br>(AM)       | NR                                    | NR                                     |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High             | Yunnan Province, CN<br>Scenario: Residential outdoor PM2.5 in China<br>(n = 20; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)               | LOD: 0.2 ng/g<br>LOQ: 0.5 ng/g                                 | NR                                                                                  | NR                               | 0.012<br>$\mu\text{g}/\text{g}$<br>(AM)  | NR                                    | NR                                     |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High             | Yunnan Province, CN<br>Scenario: Office outdoor PM2.5 in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                    | LOD: 0.2 ng/g<br>LOQ: 0.5 ng/g                                 | NR                                                                                  | NR                               | 0.012<br>$\mu\text{g}/\text{g}$<br>(AM)  | NR                                    | NR                                     |
| Bohlin-Nizzetto et al. 2019<br><b>HERO ID:</b> 6994279<br><i>OQD:</i> High | Zeppelin, NO<br>Scenario: Zeppelin remote ambient air - 2018<br>(n = 52; DF = NR; Sampling Period: Jan., 2018 - Dec., 2018)                      | LOD: Not Reported<br>LOQ: Not Reported                         | 0.09<br>ng/ $\text{m}^3$                                                            | 1 ng/ $\text{m}^3$               | 0.4<br>ng/ $\text{m}^3$<br>(AM)          | NR                                    | NR                                     |
| Bohlin-Nizzetto et al. 2019<br><b>HERO ID:</b> 6994279<br><i>OQD:</i> High | Birkenes, NO<br>Scenario: Birkenes remote ambient air - 2018<br>(n = 12; DF = 1; Sampling Period: Jan., 2018 - Dec., 2018)                       | LOD: Not Reported<br>LOQ: Not Reported                         | 0.2<br>ng/ $\text{m}^3$                                                             | 0.9<br>ng/ $\text{m}^3$          | 0.6<br>ng/ $\text{m}^3$<br>(AM)          | NR                                    | NR                                     |
| Horii et al. 2016<br><b>HERO ID:</b> 7002456<br><i>OQD:</i> High           | Kazo city, Japan, JP,JE<br>Scenario: Ambient air near CESS<br>(n = 52; DF = NR; Sampling Period: Feb., 2014 - Feb., 2015)                        | LOD: Not Reported<br>LOQ: Not Reported                         | 11<br>ng/ $\text{m}^3$                                                              | 567<br>ng/ $\text{m}^3$          | 123<br>ng/ $\text{m}^3$<br>(AM)          | NR                                    | NR                                     |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium           | Multiple Regions in Sweden, SE<br>Scenario: Outside Air of Background Sources in industrial city<br>(n = 3; DF = 1; Sampling Period: Nov., 2004) | LOD: Not Reported<br>LOQ: Not Reported                         | POINT VALUE(S): [78 ng/ $\text{m}^3$ ; 35 ng/ $\text{m}^3$ ; 300 ng/ $\text{m}^3$ ] |                                  |                                          |                                       |                                        |

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| Citation Information                                             | Site and Data Description                                                                                                                                                                | Limit (LOD/LOQ)                                   | Min                                                                                                                                   | Max | Mean | Percentile | Variance |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----|------|------------|----------|
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium | Multiple Regions in Sweden, SE<br>Scenario: Outside Air of Point Sources in industrial city (n = 5; DF = 1; Sampling Period: Nov., 2004)                                                 | LOD: Not Reported<br>LOQ: Not Reported            | POINT VALUE(S): [51 ng/m <sup>3</sup> ; 120 ng/m <sup>3</sup> ; 230 ng/m <sup>3</sup> ; 71 ng/m <sup>3</sup> ; 18 ng/m <sup>3</sup> ] |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium | Multiple Regions in Sweden, SE<br>Scenario: Outside Air of Diffuse Sources in industrial city (n = 3; DF = 0.67; Sampling Period: Nov., 2004)                                            | LOD: 23.0 ng/m <sup>3</sup><br>LOQ: Not Reported  | POINT VALUE(S): [84 ng/m <sup>3</sup> ; <LOD; 97 ng/m <sup>3</sup> ]                                                                  |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Outside air near background sources in Denmark (n = 3; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                        | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [0.32 µg/m <sup>3</sup> ; 2.4 µg/m <sup>3</sup> ; 0.26 µg/m <sup>3</sup> ]                                            |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Outside air near point sources in Denmark (n = 1; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                             | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [0.66 µg/m <sup>3</sup> ]                                                                                             |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Outside air near background sources in Faroe Islands (n = 1; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                   | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [2.1 µg/m <sup>3</sup> ]                                                                                              |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Outside air near point sources in Faroe Islands (n = 1; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                        | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [4.0 µg/m <sup>3</sup> ]                                                                                              |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Outside air near point sources in Finland (n = 2; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                                     | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [1.1 µg/m <sup>3</sup> ; 0.29 µg/m <sup>3</sup> ]                                                                     |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Outside air near background sources in Iceland (n = 4; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                  | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [2.1 µg/m <sup>3</sup> ; 0.32 µg/m <sup>3</sup> ; 0.76 µg/m <sup>3</sup> ; 0.4 µg/m <sup>3</sup> ]                    |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Oslo, Norway, NO<br>Scenario: Outside air near point sources in Norway (n = 3; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                                                         | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [1.0 µg/m <sup>3</sup> ; 0.85 µg/m <sup>3</sup> ; 0.58 µg/m <sup>3</sup> ]                                            |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Oslo, Norway, NO<br>Scenario: Outside air near diffuse sources in Norway (n = 1; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)                                                       | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [0.55 µg/m <sup>3</sup> ]                                                                                             |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Outside air near point sources in Sweden (n = 4; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005)   | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [0.09 µg/m <sup>3</sup> ; 0.08 µg/m <sup>3</sup> ; 0.79 µg/m <sup>3</sup> ; 1.1 µg/m <sup>3</sup> ]                   |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Outside air near diffuse sources in Sweden (n = 4; DF = 1; Sampling Period: Nov., 2004 - Feb., 2005) | LOD: 0.006 µg/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [0.14 µg/m <sup>3</sup> ; 0.35 µg/m <sup>3</sup> ; 0.24 µg/m <sup>3</sup> ; 0.18 µg/m <sup>3</sup> ]                  |     |      |            |          |

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| Citation Information                                                     | Site and Data Description                                                                                                                                                                                                                                                     | Limit (LOD/LOQ)                                    | Min                                                                                                                      | Max                    | Mean                         | Percentile                     | Variance                      |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|--------------------------------|-------------------------------|
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High      | Oslo, NO<br>Scenario: Ambient Air at Slottsparken, Frognerstøien, Fornebu, VEAS, and Alnabru<br>(n = 5; DF = 1; Sampling Period: Jun., 2017 - Sept., 2017)                                                                                                                    | LOD: Not Reported<br>LOQ: Not Reported             | POINT VALUE(S): [11.06 ng/g; 4.02 ng/g; 4.70 ng/g; 2.50 ng/g; 2.27 ng/g]                                                 |                        |                              |                                |                               |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Ambient air collected on a ship in Inner Oslofjord<br>(n = 4; DF = 0; Sampling Period: Nov., 2008)                                                                                                                                           | LOD: 0.24 µg<br>LOQ: Not Reported                  | POINT VALUE(S): [<0.43 µg/m <sup>3</sup> ; <0.43 µg/m <sup>3</sup> ; <0.70 µg/m <sup>3</sup> ; <0.70 µg/m <sup>3</sup> ] |                        |                              |                                |                               |
| Rauert et al. 2018<br><b>HERO ID:</b> 5386424<br><i>OQD:</i> High        | Tapanti; Celestun; Manizales; Sao Jose dos Ausentes; Chacaltaya, BO,BR,CO,CR,MX<br>Scenario: SIP-PAS ambient air sample in background locations from Brazil, Colombia, Costa Rica, and Mexico from 2015 -2016<br>(n = 4; DF = 0.92; Sampling Period: Jun., 2015 - Jun., 2016) | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported | 8.0 ng/m <sup>3</sup>                                                                                                    | 42.0 ng/m <sup>3</sup> | 24.75 ng/m <sup>3</sup> (AM) | 50th: 24.5 ng/m <sup>3</sup> ; | 13.94 ng/m <sup>3</sup> (ASD) |
| Rauert et al. 2018<br><b>HERO ID:</b> 5386424<br><i>OQD:</i> High        | Sonora, MX<br>Scenario: SIP-PAS ambient air sample in agricultural locations in Mexico in 2015<br>(n = 1; DF = 1.0; Sampling Period: Apr., 2015 - Jul., 2015)                                                                                                                 | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [8.7 ng/m <sup>3</sup> ]                                                                                 |                        |                              |                                |                               |
| Rauert et al. 2018<br><b>HERO ID:</b> 5386424<br><i>OQD:</i> High        | Sao Luis; Rio Gallegos; Concepcion, AR,BR,CL<br>Scenario: SIP-PAS ambient air sample in urban locations in Argentina, Brazil, and Chile in 2015<br>(n = 1; DF = 1.0; Sampling Period: Jun., 2015 - Jun., 2016)                                                                | LOD: 0.0005 ng/m <sup>3</sup><br>LOQ: Not Reported | 36.0 pg/m <sup>3</sup>                                                                                                   | 36.0 pg/m <sup>3</sup> | 36.0 pg/m <sup>3</sup> (AM)  | NR                             | NR                            |

Table 2: Data Extraction Tables of Exposure Monitoring Studies for Aquatic Species

| Citation Information                                              | Site and Data Description                                                                                                                           | Limit (LOD/LOQ)                     | Min                                                                          | Max | Mean           | Percentile | Variance |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|-----|----------------|------------|----------|
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Flounder fillets from Chowder Ness area of Humber Estuary<br>(n = 1; DF = 0.57; Sampling Period: Sept., 2009 - Oct., 2009) | LOD: Not Reported<br>LOQ: 7.2 ng/g  | POINT VALUE(S): [ <LOQ; 5.9 ng/g; <LOQ; 6.6 ng/g; <LOQ; 10.4 ng/g; 7.1 ng/g] |     |                |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Flounder fillets from Paull Holme area of Humber Estuary<br>(n = 1; DF = 0.26; Sampling Period: Sept., 2009 - Oct., 2009)  | LOD: Not Reported<br>LOQ: <2.5 ng/g | POINT VALUE(S): [ <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; 7.2 ng/g; 4.5 ng/g]          |     |                |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Flounder fillets from Stone Creek area of Humber Estuary<br>(n = 1; DF = 0.4; Sampling Period: Sept., 2009 - Oct., 2009)   | LOD: Not Reported<br>LOQ: <5.5 ng/g | POINT VALUE(S): [ <LOQ; <LOQ; 5.9 ng/g; <LOQ; 2.7 ng/g]                      |     |                |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Flounder fillets from Welwick area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)         | LOD: Not Reported<br>LOQ: <2.5 ng/g | NR                                                                           | NR  | <LOQ           | NR         | NR       |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Flounder fillets from Cleethorpes area of Humber Estuary<br>(n = 1; DF = 0.125; Sampling Period: Sept., 2009 - Oct., 2009) | LOD: Not Reported<br>LOQ: <9.9 ng/g | POINT VALUE(S): [ <LOQ; <LOQ; 9.9 ng/g; <LOQ; <LOQ; <LOQ; <LOQ]              |     |                |            |          |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Cod Liver from Adventfjorden (AFJ), Norway - Dow Corning Lab<br>(n = 3; DF = 1; Sampling Period: Jul., 2009)         | LOD: 0.02 ng/g<br>LOQ: 0.19 ng/g    | NR                                                                           | NR  | 2.66 ng/g (AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Cod Liver from Adventfjorden (AFJ), Norway - Evonik Lab<br>(n = 3; DF = 1; Sampling Period: Jul., 2009)              | LOD: 0.27 ng/g<br>LOQ: 1.32 ng/g    | NR                                                                           | NR  | 3.89 ng/g (AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Cod Liver from Adventfjorden (AFJ), Norway - NILU Lab<br>(n = 5; DF = 0.8; Sampling Period: Jul., 2009)              | LOD: 0.31 ng/g<br>LOQ: 2.60 ng/g    | NR                                                                           | NR  | 4.81 ng/g (AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Sculpin Liver from Adventfjorden (AFJ), Norway - Evonik Lab<br>(n = 6; DF = 0.33; Sampling Period: Jul., 2009)       | LOD: 0.27 ng/g<br>LOQ: 1.32 ng/g    | NR                                                                           | NR  | 1.82 ng/g (AM) | NR         | NR       |

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Table 2 – continued from previous page

| Citation Information                                                | Site and Data Description                                                                                                                          | Limit<br>(LOD/LOQ)                  | Min                                                                                                        | Max          | Mean                 | Percentile | Variance |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------|--------------|----------------------|------------|----------|
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Adventfjorden, NO<br>Scenario: Sculpin Liver from Adventfjorden (AFJ), Norway - Dow Corning Lab<br>(n = 5; DF = 0.8; Sampling Period: Jul., 2009)  | LOD: 0.02 ng/g<br>LOQ: 0.19 ng/g    | NR                                                                                                         | NR           | 1.66<br>ng/g<br>(AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Adventfjorden, NO<br>Scenario: Sculpin Liver from Adventfjorden (AFJ), Norway - NILU Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)           | LOD: 0.31 ng/g<br>LOQ: 2.60 ng/g    | 0.71<br>ng/g                                                                                               | 2.15<br>ng/g | NR                   | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Kongsfjorden, NO<br>Scenario: Cod Liver from Kongsfjorden (KFJ), Norway -Dow Corning Lab<br>(n = 6; DF = 0.83; Sampling Period: Jul., 2009)        | LOD: 0.02 ng/g<br>LOQ: 0.19 ng/g    | NR                                                                                                         | NR           | 0.99<br>ng/g<br>(AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Kongsfjorden, NO<br>Scenario: Cod Liver from Kongsfjorden (KFJ), Norway - Evonik Lab<br>(n = 7; DF = 0.14; Sampling Period: Jul., 2009)            | LOD: 0.27 ng/g<br>LOQ: 1.32 ng/g    | NR                                                                                                         | NR           | 1.37<br>ng/g<br>(AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Kongsfjorden, NO<br>Scenario: Cod Liver from Kongsfjorden (KFJ), Norway - NILU Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                 | LOD: 0.31 ng/g<br>LOQ: 2.60 ng/g    | 0.47<br>ng/g                                                                                               | 0.97<br>ng/g | NR                   | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Liefdefjorden, NO<br>Scenario: Sculpin Liver from Liefdefjorden (LFJ ), Norway - Dow Corning Lab<br>(n = 5; DF = 0.2; Sampling Period: Jul., 2009) | LOD: 0.02 ng/g<br>LOQ: 0.19 ng/g    | NR                                                                                                         | NR           | 0.35<br>ng/g<br>(AM) | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Liefdefjorden, NO<br>Scenario: Sculpin Liver from Liefdefjorden (LFJ ), Norway - Evonik Lab<br>(n = 8; DF = 0; Sampling Period: Jul., 2009)        | LOD: 0.27 ng/g<br>LOQ: 1.32 ng/g    | POINT VALUE(S): [-0.08 ng/g; -0.45 ng/g; 0.23 ng/g; 0.05 ng/g; 0.16 ng/g; 0.48 ng/g; 0.35 ng/g; 0.76 ng/g] |              |                      |            |          |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium | Liefdefjorden, NO<br>Scenario: Sculpin Liver from Liefdefjorden (LFJ ), Norway - NILU Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)          | LOD: 0.31 ng/g<br>LOQ: 2.60 ng/g    | POINT VALUE(S): [-0.05 ng/g; -0.18 ng/g; -0.21 ng/g; -0.27 ng/g; -0.32 ng/g]                               |              |                      |            |          |
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium | Adventfjorden, Svalbard archipelago, NO<br>Scenario: Atlantic cod liver from Adventfjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)         | LOD: 10.8 ng/g<br>LOQ: Not Reported | NR                                                                                                         | NR           | <LOD                 | NR         | NR       |
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium | Adventfjorden, Svalbard archipelago, NO<br>Scenario: Sculpin liver from Adventfjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)              | LOD: 10.8 ng/g<br>LOQ: Not Reported | NR                                                                                                         | NR           | <LOD                 | NR         | NR       |

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Table 2 – continued from previous page

| Citation Information                                                 | Site and Data Description                                                                                                                             | Limit (LOD/LOQ)                          | Min  | Max       | Mean           | Percentile       | Variance        |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------|-----------|----------------|------------------|-----------------|
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium  | Kongsfjorden, Svalbard archipelago, NO<br>Scenario: Atlantic cod liver from Kongsfjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)              | LOD: 2.2 ng/g<br>LOQ: Not Reported       | NR   | NR        | <LOD           | NR               | NR              |
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium  | Liefdefjorden, Svalbard archipelago, NO<br>Scenario: Sculpin liver from Liefdefjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                 | LOD: 2.2 ng/g<br>LOQ: Not Reported       | NR   | NR        | <LOD           | NR               | NR              |
| Jia et al. 2015<br><b>HERO ID:</b> 4182280<br><i>OQD:</i> High       | Dalian, CN<br>Scenario: Marine fish in China<br>(n = 61; DF = NR; Sampling Period: Sept., 2013)                                                       | LOD: 2.60 ng/g<br>LOQ: 5.07 ng/g         | <LOD | 38.0 ng/g | 14.0 ng/g (GM) | NR               | 8.98 ng/g (ASD) |
| Sanchís et al. 2016<br><b>HERO ID:</b> 6833796<br><i>OQD:</i> Medium | Cuenca, Albacete, Antella, Alzira, ES<br>Scenario: Muscles of autochthonous fish caught in Xuquer River<br>(n = 16; DF = 0.94; Sampling Period: 2016) | LOD: Not Reported<br>LOQ: 0.03 ng/g      | <LOD | 9.40 ng/g | 1.68 ng/g (AM) | 50th: 1.09 ng/g; | NR              |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: Atlantic cod from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                                 | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 125 ng/g (AM)  | NR               | 33.7 ng/g (ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: N. Atlantic pollock from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                          | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 267 ng/g (AM)  | NR               | 208 ng/g (ASD)  |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: Poor cod from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                                     | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 75.4 ng/g (AM) | NR               | 18.0 ng/g (ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: Vahl's eelpout from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                               | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 191 ng/g (AM)  | NR               | 37.9 ng/g (ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: European whiting from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                             | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 192 ng/g (AM)  | NR               | 16.6 ng/g (ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: Long rough dab from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)                               | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 538 ng/g (AM)  | NR               | 382 ng/g (ASD)  |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: Haddock from Inner Oslofjord<br>(n = 4; DF = 0.89; Sampling Period: Nov., 2008)                                      | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 88.6 ng/g (AM) | NR               | 20.6 ng/g (ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High    | Inner Oslofjord, NO<br>Scenario: European hake from Inner Oslofjord<br>(n = 4; DF = 0.89; Sampling Period: Nov., 2008)                                | LOD: 0.38-1.5 ng/g<br>LOQ: 0.95-3.7 ng/g | NR   | NR        | 271 ng/g (AM)  | NR               | 1051 ng/g (ASD) |

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Table 2 – continued from previous page

| Citation Information                                              | Site and Data Description                                                                                                 | Limit<br>(LOD/LOQ)                             | Min | Max | Mean                 | Percentile | Variance           |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----|-----|----------------------|------------|--------------------|
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Inner Oslofjord, NO<br>Scenario: Norway pout from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)      | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 316 ng/g<br>(AM)     | NR         | 41.5 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Inner Oslofjord, NO<br>Scenario: Coalfish from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)         | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 525 ng/g<br>(AM)     | NR         | 1261 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Inner Oslofjord, NO<br>Scenario: European plaice from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008)  | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 414 ng/g<br>(AM)     | NR         | 1881 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Inner Oslofjord, NO<br>Scenario: Atlantic herring from Inner Oslofjord<br>(n = 6; DF = 0.89; Sampling Period: Nov., 2008) | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 115 ng/g<br>(AM)     | NR         | 53.9 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Atlantic cod from Outer Oslofjord<br>(n = 6; DF = 0.24; Sampling Period: Nov., 2008)     | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 19.5<br>ng/g<br>(AM) | NR         | 6.02 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Haddock from Outer Oslofjord<br>(n = 12; DF = 0.24; Sampling Period: Nov., 2008)         | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 15.1<br>ng/g<br>(AM) | NR         | 4.72 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Long rough dab from Outer Oslofjord<br>(n = 6; DF = 0.24; Sampling Period: Nov., 2008)   | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 42.6<br>ng/g<br>(AM) | NR         | 16.0 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Coalfish from Outer Oslofjord<br>(n = 6; DF = 0.24; Sampling Period: Nov., 2008)         | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 16.1<br>ng/g<br>(AM) | NR         | 13.0 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Norway pout from Outer Oslofjord<br>(n = 10; DF = 0.24; Sampling Period: Nov., 2008)     | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 21.7<br>ng/g<br>(AM) | NR         | 6.84 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Starry skate from Outer Oslofjord<br>(n = 3; DF = 0.24; Sampling Period: Nov., 2008)     | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 68.8<br>ng/g<br>(AM) | NR         | 24.8 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: Common sole from Outer Oslofjord<br>(n = 3; DF = 0.24; Sampling Period: Nov., 2008)      | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 60.7<br>ng/g<br>(AM) | NR         | 31.1 ng/g<br>(ASD) |
| Powell et al. 2018<br><b>HERO ID:</b> 6833812<br><i>OQD:</i> High | Outer Oslofjord, NO<br>Scenario: European plaice from Outer Oslofjord<br>(n = 5; DF = 0.24; Sampling Period: Nov., 2008)  | LOD: 0.38-1.5<br>ng/g<br>LOQ: 0.95-3.7<br>ng/g | NR  | NR  | 131 ng/g<br>(AM)     | NR         | 23.9 ng/g<br>(ASD) |

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Table 2 – continued from previous page

| Citation Information                                                   | Site and Data Description                                                                                                                | Limit (LOD/LOQ)                           | Min                         | Max | Mean           | Percentile | Variance       |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------|-----|----------------|------------|----------------|
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Rhine River, DE<br>Scenario: Bream fillet collected at Bimmen in River Rhine (n = 1; DF = 0; Sampling Period: 1995 - 2017)               | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | NR                          | NR  | 92.8 ng/g (AM) | NR         | 0.7 ng/g (ASD) |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Saar River, DE<br>Scenario: Bream fillet collected at Rehlingen in Saar River (n = 1; DF = 0.33; Sampling Period: 1995 - 2017)           | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | NR                          | NR  | 26.9 ng/g (AM) | NR         | 5.4 ng/g (ASD) |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Rhine River, DE<br>Scenario: Bream fillet collected at Weil in River Rhine (n = 1; DF = 0; Sampling Period: 1995 - 2017)                 | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Rhine River, DE<br>Scenario: Bream fillet collected at Iffezheim in River Rhine (n = 1; DF = 0; Sampling Period: 1995 - 2017)            | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Rhine River, DE<br>Scenario: Bream fillet collected at Koblenz in River Rhine (n = 1; DF = 0; Sampling Period: 1995 - 2017)              | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOQ]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Saar River, DE<br>Scenario: Bream fillet collected at Gündingen in Saar River (n = 1; DF = 1; Sampling Period: 1995 - 2017)              | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [90.7 ng/g] |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Prossen in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)    | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Zehren in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)     | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOQ]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Barby in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)      | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Cumlosen in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)   | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOQ]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Blankenese in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017) | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |                |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Saale in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)      | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOQ]     |     |                |            |                |

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| Citation Information                                                   | Site and Data Description                                                                                                                      | Limit (LOD/LOQ)                           | Min                         | Max | Mean          | Percentile | Variance       |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------|-----|---------------|------------|----------------|
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Elbe Tributaries, DE<br>Scenario: Bream fillet collected at Mulde in Elbe tributaries (n = 1; DF = 0; Sampling Period: 1995 - 2017)            | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Danube River, DE<br>Scenario: Bream fillet collected at Ulm in Danube River (n = 1; DF = 0; Sampling Period: 1995 - 2017)                      | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Danube River, DE<br>Scenario: Bream fillet collected at Kelheim in Danube River (n = 1; DF = 0; Sampling Period: 1995 - 2017)                  | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Danube River, DE<br>Scenario: Bream fillet collected at Jochenstein in Danube River (n = 1; DF = 1; Sampling Period: 1995 - 2017)              | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [50.4 ng/g] |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Lake Belau, DE<br>Scenario: Bream fillet collected at Lake Belau (n = 1; DF = 0; Sampling Period: 1995 - 2017)                                 | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | Baltic Sea, DE<br>Scenario: Eelpout fillet collected at Darßer Ort of Baltic Sea (n = 1; DF = 0; Sampling Period: 1995 - 2017)                 | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | North Sea, DE<br>Scenario: Eelpout fillet collected at Varel Mellum of North Sea (n = 1; DF = 0; Sampling Period: 1995 - 2017)                 | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Radermacher et al. 2020<br><b>HERO ID:</b> 6833907<br><i>OQD:</i> High | North Sea, DE<br>Scenario: Eelpout fillet collected at Meldorf Bay of North Sea (n = 1; DF = 0; Sampling Period: 1995 - 2017)                  | LOD: 3.1-16.8 ng/g<br>LOQ: 9.31-50.5 ng/g | POINT VALUE(S): [ <LOD]     |     |               |            |                |
| Cui et al. 2019<br><b>HERO ID:</b> 6834013<br><i>OQD:</i> Medium       | North Bohai Sea, CN<br>Scenario: Monkfish from North Bohai Bay, China (n = 30; DF = 0.9; Sampling Period: Sept., 2014 - Oct., 2014)            | LOD: 1.7 ng/g<br>LOQ: Not Reported        | NR                          | NR  | 20 ng/g (AM)  | NR         | 11 ng/g (ASD)  |
| Cui et al. 2019<br><b>HERO ID:</b> 6834013<br><i>OQD:</i> Medium       | North Bohai Sea, CN<br>Scenario: Moray from North Bohai Bay, China (n = 5; DF = 0.9; Sampling Period: Sept., 2014 - Oct., 2014)                | LOD: 1.7 ng/g<br>LOQ: Not Reported        | NR                          | NR  | 21 ng/g (AM)  | NR         | 7.8 ng/g (ASD) |
| Cui et al. 2019<br><b>HERO ID:</b> 6834013<br><i>OQD:</i> Medium       | North Bohai Sea, CN<br>Scenario: Goby from North Bohai Bay, China (n = 30; DF = 0.9; Sampling Period: Sept., 2014 - Oct., 2014)                | LOD: 1.7 ng/g<br>LOQ: Not Reported        | NR                          | NR  | 16 ng/g (AM)  | NR         | 8.6 ng/g (ASD) |
| Cui et al. 2019<br><b>HERO ID:</b> 6834013<br><i>OQD:</i> Medium       | North Bohai Sea, CN<br>Scenario: Joyner's tonguesole from North Bohai Bay, China (n = 12; DF = 0.9; Sampling Period: Sept., 2014 - Oct., 2014) | LOD: 1.7 ng/g<br>LOQ: Not Reported        | NR                          | NR  | 9.2 ng/g (AM) | NR         | 3.4 ng/g (ASD) |

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| Citation Information                                               | Site and Data Description                                                                                                                               | Limit (LOD/LOQ)                    | Min        | Max        | Mean            | Percentile | Variance         |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|------------|-----------------|------------|------------------|
| Cui et al. 2019<br><b>HERO ID:</b> 6834013<br><i>OQD:</i> Medium   | North Bohai Sea, CN<br>Scenario: Hairtail from North Bohai Bay, China<br>(n = 3; DF = 0.9; Sampling Period: Sept., 2014 - Oct., 2014)                   | LOD: 1.7 ng/g<br>LOQ: Not Reported | NR         | NR         | 8.0 ng/g (AM)   | NR         | 6.6 ng/g (ASD)   |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Gjøvik and Hamar), NO<br>Scenario: Smelt (small) from Mjøsa lake in Norway<br>(n = 5; DF = >0.50; Sampling Period: Jul., 2012)          | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 24 ng/g (AM)    | NR         | 3 ng/g (SE)      |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Gjøvik and Hamar), NO<br>Scenario: Smelt (large) from Mjøsa lake in Norway<br>(n = 5; DF = >0.50; Sampling Period: Sept., 2012)         | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 17 ng/g (AM)    | NR         | 3 ng/g (SE)      |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Gjøvik and Hamar), NO<br>Scenario: Brown trout from Mjøsa lake in Norway<br>(n = 5; DF = >0.50; Sampling Period: Aug., 2012)            | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 27 ng/g (AM)    | NR         | 7 ng/g (SE)      |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Gjøvik and Hamar), NO<br>Scenario: Vendace from Mjøsa lake in Norway<br>(n = 7; DF = >0.50; Sampling Period: Jul., 2012 - Aug., 2012)   | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 81 ng/g (AM)    | NR         | 8 ng/g (SE)      |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Gjøvik and Hamar), NO<br>Scenario: Mysis from Mjøsa lake in Norway<br>(n = 4; DF = >0.50; Sampling Period: Jul., 2012 - Aug., 2012)     | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 53 ng/g (AM)    | NR         | 13 ng/g (SE)     |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Jevnaker and Brandbu), NO<br>Scenario: Whitefish from Randsfjorden lake in Norway<br>(n = 9; DF = <0.50; Sampling Period: Aug., 2012)   | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | <19 ng/g (AM)   | NR         | NR               |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Jevnaker and Brandbu), NO<br>Scenario: Smelt from Randsfjorden lake in Norway<br>(n = 5; DF = <0.50; Sampling Period: Aug., 2012)       | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | <11 ng/g (AM)   | NR         | NR               |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | SE Norway (near Jevnaker and Brandbu), NO<br>Scenario: Brown trout from Randsfjorden lake in Norway<br>(n = 5; DF = >0.50; Sampling Period: Aug., 2012) | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | 16 ng/g (AM)    | NR         | 3 ng/g (SE)      |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | East Norway (near Elga village), NO<br>Scenario: Arctic char from Femunden lake in Norway<br>(n = 1; DF = <0.50; Sampling Period: Aug., 2012)           | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | <10 ng/g (AM)   | NR         | NR               |
| Borgå et al. 2013<br><b>HERO ID:</b> 6834960<br><i>OQD:</i> Medium | East Norway (near Elga village), NO<br>Scenario: Brown trout from Femunden lake in Norway<br>(n = 6; DF = <0.50; Sampling Period: Aug., 2012)           | LOD: -<br>LOQ: 4.6 ng              | NR         | NR         | <40 ng/g (AM)   | NR         | NR               |
| Hong et al. 2014<br><b>HERO ID:</b> 6835730<br><i>OQD:</i> Medium  | Northeast region, CN<br>Scenario: Bottom fish (fish-body) from coastal marine area<br>(n = 6; DF = 1.0; Sampling Period: Jul., 2011)                    | LOD: 0.99 ng/g<br>LOQ: 1.15 ng/g   | 0.213 ng/g | 0.615 ng/g | 0.424 ng/g (AM) | NR         | 0.137 ng/g (ASD) |

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| Citation Information                                                          | Site and Data Description                                                                                                                                                                                                  | Limit (LOD/LOQ)                        | Min                                                                                                                                  | Max           | Mean                  | Percentile | Variance            |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------|---------------------|
| Hong et al. 2014<br><b>HERO ID:</b> 6835730<br><i>OQD:</i> Medium             | Northeast region, CN<br>Scenario: Bottom fish (muscle) from coastal marine area (n = 6; DF = >0; Sampling Period: Jul., 2011)                                                                                              | LOD: 0.99 ng/g<br>LOQ: 1.15 ng/g       | <LOD                                                                                                                                 | 0.694<br>ng/g | 0.324<br>ng/g<br>(AM) | NR         | 0.207 ng/g<br>(ASD) |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Common mussel from Oslofjord (n = 3; DF = 1; Sampling Period: Sept., 2006 - Nov., 2006) | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1.9 ng/g; 2.3 ng/g; 1.3 ng/g]                                                                                       |               |                       |            |                     |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Flounder liver from Oslofjord (n = 1; DF = 1; Sampling Period: Nov., 2006)              | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2.6 ng/g]                                                                                                           |               |                       |            |                     |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Flounder fillet from Oslofjord (n = 1; DF = 1; Sampling Period: Nov., 2006)             | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1.9 ng/g]                                                                                                           |               |                       |            |                     |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Cod liver from Oslofjord (n = 4; DF = 1; Sampling Period: Oct., 2004 - Oct., 2006)      | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [134.4 ng/g; 121.4 ng/g; 81.2 ng/g; 70.0 ng/g]                                                                       |               |                       |            |                     |
| Evenset et al. 2009<br><b>HERO ID:</b> 6992056<br><i>OQD:</i> Medium          | Svalbard, NO<br>Scenario: Fish liver from Arctic Ocean (Atlantic cod, polar cod, artic char) (n = 11; DF = 0.91; Sampling Period: Summer, 2004 - Summer, 2008)                                                             | LOD: 3.4 ng/g<br>LOQ: Not Reported     | POINT VALUE(S): [2.6 ng/g; 3.9 ng/g; 2.9 ng/g; 3.9 ng/g; 3.7 ng/g; 3.9 ng/g; 9.2 ng/g; 6.3 ng/g; 2.6 ng/g; 3.2 ng/g; <LOD; 3.9 ng/g] |               |                       |            |                     |
| Evenset et al. 2009<br><b>HERO ID:</b> 6992056<br><i>OQD:</i> Medium          | Svalbard, NO<br>Scenario: Whole fish from Arctic Ocean (Atlantic cod, polar cod, artic char) (n = 5; DF = 1; Sampling Period: Summer, 2008)                                                                                | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [7.8 ng/g; 6.5 ng/g; 6.7 ng/g; 3.6 ng/g; 7.4 ng/g]                                                                   |               |                       |            |                     |
| Powell et al. 2010<br><b>HERO ID:</b> 6996285<br><i>OQD:</i> High             | Ontario, CA<br>Scenario: Cisco from Lake Opeongo (n = 7; DF = 1; Sampling Period: Oct., 2007)                                                                                                                              | LOD: 0.51 ng<br>LOQ: 1.45 ng/g         | NR                                                                                                                                   | NR            | 1.24<br>ng/g<br>(AM)  | NR         | 0.07 ng/g (SE)      |
| Powell et al. 2010<br><b>HERO ID:</b> 6996285<br><i>OQD:</i> High             | Ontario, CA<br>Scenario: Yellow perch from Lake Opeongo (n = 7; DF = 1; Sampling Period: Oct., 2007)                                                                                                                       | LOD: 0.51 ng<br>LOQ: 1.18 ng/g         | NR                                                                                                                                   | NR            | 0.87<br>ng/g<br>(AM)  | NR         | 0.06 ng/g (SE)      |
| Powell et al. 2010<br><b>HERO ID:</b> 6996285<br><i>OQD:</i> High             | Ontario, CA<br>Scenario: Lake trout from Lake Opeongo (n = 5; DF = 1; Sampling Period: Oct., 2007)                                                                                                                         | LOD: 1.69 ng<br>LOQ: 2.25 ng/g         | NR                                                                                                                                   | NR            | 3.77<br>ng/g<br>(AM)  | NR         | 0.57 ng/g (SE)      |

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| Citation Information                                              | Site and Data Description                                                                                                   | Limit (LOD/LOQ)              | Min | Max | Mean           | Percentile | Variance       |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------|-----|-----|----------------|------------|----------------|
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: River carp sucker in Lake Pepin<br>(n = 1; DF = 1; Sampling Period: Sept., 2007 - May, 2008)  | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 59.1 ng/g (AM) | NR         | NR             |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: White sucker in Lake Pepin<br>(n = 1; DF = 1; Sampling Period: Sept., 2007 - May, 2008)       | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 6.4 ng/g (AM)  | NR         | NR             |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Common carp in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)        | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 4.9 ng/g (AM)  | NR         | 0.6 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Gizzard shad in Lake Pepin<br>(n = 4; DF = 1; Sampling Period: Sept., 2007 - May, 2008)       | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 10 ng/g (AM)   | NR         | 2.0 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Gizzard shad (YOY) in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008) | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 2.8 ng/g (AM)  | NR         | 1.1 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Silver redhorse in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)    | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 10.9 ng/g (AM) | NR         | 1.7 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Bluegill sunfish in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)   | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 3.6 ng/g (AM)  | NR         | 0.6 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Shorthead redhorse in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008) | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 6.1 ng/g (AM)  | NR         | 4.1 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Freshwater drum in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)    | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 1.7 ng/g (AM)  | NR         | 1.1 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Emerald shiner in Lake Pepin<br>(n = 4; DF = 1; Sampling Period: Sept., 2007 - May, 2008)     | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 3.0 ng/g (AM)  | NR         | 1.9 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: Black crappie in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)      | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 6.7 ng/g (AM)  | NR         | 1.5 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High | St. Paul, MN, US<br>Scenario: White bass in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)         | LOD: 9.6 ng<br>LOQ: 4.1 ng/g | NR  | NR  | 3.4 ng/g (AM)  | NR         | 1.4 ng/g (ASD) |

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| Citation Information                                                                    | Site and Data Description                                                                                                                                                    | Limit (LOD/LOQ)                     | Min           | Max            | Mean              | Percentile        | Variance           |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------|----------------|-------------------|-------------------|--------------------|
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High                       | St. Paul, MN, US<br>Scenario: Smallmouth bass in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)                                                     | LOD: 9.6 ng<br>LOQ: 4.1 ng/g        | NR            | NR             | 5.3 ng/g<br>(AM)  | NR                | 3.5 ng/g (ASD)     |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High                       | St. Paul, MN, US<br>Scenario: Quillback carpsucker in Lake Pepin<br>(n = 2; DF = 1; Sampling Period: Sept., 2007 - May, 2008)                                                | LOD: 9.6 ng<br>LOQ: 4.1 ng/g        | NR            | NR             | 17.5 ng/g<br>(AM) | NR                | 6.8 ng/g (ASD)     |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High                       | St. Paul, MN, US<br>Scenario: Walleye in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)                                                             | LOD: 9.6 ng<br>LOQ: 4.1 ng/g        | NR            | NR             | 4.4 ng/g<br>(AM)  | NR                | 0.6 ng/g (ASD)     |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High                       | St. Paul, MN, US<br>Scenario: Largemouth bass in Lake Pepin<br>(n = 3; DF = 1; Sampling Period: Sept., 2007 - May, 2008)                                                     | LOD: 9.6 ng<br>LOQ: 4.1 ng/g        | NR            | NR             | 3.1 ng/g<br>(AM)  | NR                | 0.3 ng/g (ASD)     |
| Green et al. 2021<br><b>HERO ID:</b> 7002448<br><i>OQD:</i> Medium                      | Isfjorden, Svalbard, NO<br>Scenario: liver of wild cod caught by local fisherman in the Isfjorden, Svalbard<br>(n = 12; DF = 0.08; Sampling Period: Aug., 2017 - Jan., 2018) | LOD: Not Reported<br>LOQ: 2.7 µg/kg | NR            | NR             | <LOQ              | NR                | NR                 |
| Green et al. 2021<br><b>HERO ID:</b> 7002448<br><i>OQD:</i> Medium                      | Inner Oslo Fjord, NO<br>Scenario: liver of wild cod caught by local fisherman in the Inner Oslo Fjord<br>(n = 12; DF = 0.92; Sampling Period: Aug., 2017 - Jan., 2018)       | LOD: Not Reported<br>LOQ: 2.7 µg/kg | 29.4966 µg/kg | 79.5791 µg/kg  | NR                | 50th: 40.2 µg/kg; | 21.89 µg/kg (ASD)  |
| Green et al. 2021<br><b>HERO ID:</b> 7002448<br><i>OQD:</i> Medium                      | Bergen, NO<br>Scenario: liver of wild cod caught by local fisherman in the Bergen Harbour Area<br>(n = 15; DF = 0.93; Sampling Period: Aug., 2017 - Jan., 2018)              | LOD: Not Reported<br>LOQ: 2.7 µg/kg | 4.709 µg/kg   | 571.3281 µg/kg | NR                | 50th: 36.4 µg/kg; | 140.64 µg/kg (ASD) |
| Green et al. 2021<br><b>HERO ID:</b> 7002448<br><i>OQD:</i> Medium                      | Tromsø, NO<br>Scenario: liver of wild cod caught by local fisherman in the Tromsø Harbour Area<br>(n = 14; DF = 0.79; Sampling Period: Aug., 2017 - Jan., 2018)              | LOD: Not Reported<br>LOQ: 2.7 µg/kg | 11.7 µg/kg    | 59.7 µg/kg     | NR                | 50th: 18.5 µg/kg; | 19.41 µg/kg (ASD)  |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High | Lake Mjøsa, Lake Femunden, NO<br>Scenario: Zooplankton from Lake Mjøsa in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                                | LOD: 2.6 ng/g<br>LOQ: Not Reported  | 1.2 ng/g      | 1.5 ng/g       | 1.3 ng/g<br>(AM)  | NR                | NR                 |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High | Lake Mjøsa, Lake Femunden, NO<br>Scenario: Mysis from Lake Mjøsa in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                                      | LOD: 2.6 ng/g<br>LOQ: Not Reported  | <LOQ          | 1.4 ng/g       | 0.93 ng/g<br>(AM) | NR                | NR                 |

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Table 2 – continued from previous page

| Citation Information                                                                      | Site and Data Description                                                                                                                                                   | Limit (LOD/LOQ)                        | Min                                               | Max        | Mean           | Percentile | Variance |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------|------------|----------------|------------|----------|
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High   | Lake Mjøsa, Lake Femunden, NO<br>Scenario: Vendace from Lake Mjøsa in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                                   | LOD: 2.6 ng/g<br>LOQ: Not Reported     | <LOQ                                              | 2.1 ng/g   | 1.2 ng/g (AM)  | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High   | Lake Mjøsa, Lake Femunden, NO<br>Scenario: E. Smelt from Lake Mjøsa in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                                  | LOD: 2.6 ng/g<br>LOQ: Not Reported     | NR                                                | NR         | <LOQ           | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High   | Lake Mjøsa, Lake Femunden, NO<br>Scenario: Brown trout from Lake Mjøsa in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                               | LOD: 2.6 ng/g<br>LOQ: Not Reported     | NR                                                | NR         | <LOQ           | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002468<br><i>OQD:</i> High   | Lake Mjøsa, Lake Femunden, NO<br>Scenario: Brown trout from Lake Femunden in 2018<br>(n = 3; DF = 0; Sampling Period: May, 2018)                                            | LOD: 2.6 ng/g<br>LOQ: Not Reported     | NR                                                | NR         | <LOQ           | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium                          | Multiple Regions in Sweden, SE<br>Scenario: Fish muscles collected from background sources in industrial city<br>(n = 3; DF = 0; Sampling Period: Sept., 2004 - Nov., 2004) | LOD: 5 ng/g<br>LOQ: Not Reported       | NR                                                | NR         | <LOD           | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium                          | Multiple Regions in Sweden, SE<br>Scenario: Fish muscles collected from point sources in industrial city<br>(n = 16; DF = 0; Sampling Period: Sept., 2004 - Nov., 2004)     | LOD: 5 ng/g<br>LOQ: Not Reported       | NR                                                | NR         | <LOD           | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002475<br><i>OQD:</i> Medium | Oslo, NO<br>Scenario: Cod (liver) from the Inner Oslofjord<br>(n = 15; DF = 1; Sampling Period: 2018)                                                                       | LOD: Not Reported<br>LOQ: Not Reported | 16.2 ng/g                                         | 129.6 ng/g | 65.8 ng/g (AM) | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                          | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Marine fish near background sources in Denmark<br>(n = 4; DF = 0.50; Sampling Period: 2002 - Nov., 2004)           | LOD: 5 ng/g<br>LOQ: Not Reported       | POINT VALUE(S): [11 ng/g; 13 ng/g; <LOD; <LOD]    |            |                |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                          | Torshavn, Kaldbaksfjord, Faroe Islands, FO<br>Scenario: Marine fish near background sources in Faroe Island<br>(n = 3; DF = 0; Sampling Period: 2002 - Nov., 2004)          | LOD: 5 ng/g<br>LOQ: Not Reported       | NR                                                | NR         | <LOD           | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                          | Oslo, Norway, NO<br>Scenario: Marine fish near background sources in Norway<br>(n = 4; DF = 0.75; Sampling Period: 2002 - Nov., 2004)                                       | LOD: 5 ng/g<br>LOQ: Not Reported       | POINT VALUE(S): [12 ng/g; 11 ng/g; 70 ng/g; <LOD] |            |                |            |          |

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| Citation Information                                                                        | Site and Data Description                                                                                                                                                                    | Limit (LOD/LOQ)                       | Min                                                        | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------|-----|------|------------|----------|
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Freshwater fish near background sources in Faroe Island<br>(n = 2; DF = 0; Sampling Period: 2002 - Nov., 2004)                       | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Freshwater fish near background sources in Finland<br>(n = 5; DF = 0.6; Sampling Period: 2002 - Nov., 2004)                                 | LOD: 5 ng/g<br>LOQ: Not Reported      | POINT VALUE(S): [5.8 ng/g; 5.7 ng/g; 8.9 ng/g; <LOD; <LOD] |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Oslo, Norway, NO<br>Scenario: Freshwater fish near background sources in Norway<br>(n = 1; DF = 0; Sampling Period: 2002 - Nov., 2004)                                                       | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Freshwater fish near background sources in Sweden<br>(n = 2; DF = 0; Sampling Period: 2002 - Nov., 2004) | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Marine mammals near background sources in Denmark<br>(n = 4; DF = 0.25; Sampling Period: 2002 - Nov., 2004)                         | LOD: 5 ng/g<br>LOQ: Not Reported      | POINT VALUE(S): [12 ng/g; <LOD; <LOD; <LOD]                |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Marine mammals near background sources in Faroe Island<br>(n = 2; DF = 0; Sampling Period: 2002 - Nov., 2004)                        | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Marine mammals near background sources in Iceland<br>(n = 1; DF = 0; Sampling Period: 2002 - Nov., 2004)                      | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Seabird eggs near background sources in Faroe Island<br>(n = 11; DF = 0; Sampling Period: 2002 - Nov., 2004)                         | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium                            | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Seabird eggs near background sources in Sweden<br>(n = 6; DF = 0; Sampling Period: 2002 - Nov., 2004)    | LOD: 5 ng/g<br>LOQ: Not Reported      | NR                                                         | NR  | <LOD | NR         | NR       |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><i>OQD:</i> Uninformative | Oslofjord, Norway., NO<br>Scenario: Shrimps Sample from Inner Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)                                                                     | LOD: 1.65 ng/g<br>LOQ: 4.95-8.25 ng/g | POINT VALUE(S): [2.5 ng/g; 2.9 ng/g; 2.6 ng/g]             |     |      |            |          |

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| Citation Information                                                                        | Site and Data Description                                                                                                               | Limit (LOD/LOQ)                        | Min                                                              | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------|-----|------|------------|----------|
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Norway Pout Sample from Outer Oslo Fjord<br>(n = 5; DF = 1; Sampling Period: Nov., 2008)            | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1.6 ng/g; 1.2 ng/g; 0 ng/g; 1.8 ng/g; 1.2 ng/g] |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Norway Pout Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)            | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [28.2 ng/g; 25.1 ng/g; 24.4 ng/g]                |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: European Plaice Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)        | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [11.1 ng/g; 40.1 ng/g; 9.4 ng/g]                 |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Haddock Sample from Inner Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)                | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2.2 ng/g; 4.8 ng/g]                             |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Coalfish Sample from Inner Oslo Fjord<br>(n = 4; DF = 1; Sampling Period: Nov., 2008)               | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [17.3 ng/g; 7.8 ng/g; 15.5 ng/g; 11.4 ng/g]      |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Atlantic Cod Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)           | LOD: 0.76 ng/g<br>LOQ: 2.28-3.80 ng/g  | POINT VALUE(S): [0.8 ng/g; 0.8 ng/g; 1.7 ng/g]                   |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Long rough dab Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)         | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [6.7 ng/g; 5.2 ng/g; 9.9 ng/g]                   |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: North Atlantic Pollock Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008) | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [30.1 ng/g; 4.7 ng/g; 6.3 ng/g]                  |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Poor cod Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)               | LOD: 0.76 ng/g<br>LOQ: 2.28-3.80 ng/g  | POINT VALUE(S): [ <LOQ; 2.5 ng/g; 1.5 ng/g]                      |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Vahl's Eelpout Sample from Inner Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)         | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2.3 ng/g; 1.6 ng/g; 1.2 ng/g]                   |     |      |            |          |

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| Citation Information                                                                        | Site and Data Description                                                                                                               | Limit (LOD/LOQ)                        | Min                                                                     | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------|-----|------|------------|----------|
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: European Hake Sample from Inner Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)          | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [4.2 ng/g; 2.2 ng/g]                                    |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Pectinidae blue mussel Sample from Inner Oslo Fjord<br>(n = 1; DF = 1; Sampling Period: Nov., 2008) | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [0.2 ng/g]                                              |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: European Plaice Sample from Outer Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)        | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2.3 ng/g; 4.8 ng/g]                                    |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Haddock Sample from Outer Oslo Fjord<br>(n = 5; DF = 1; Sampling Period: Nov., 2008)                | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [ <LOQ; 0 ng/g; 0.3 ng/g; 0.3 ng/g; 1.3 ng/g; 0.1 ng/g] |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Coalfish Sample from Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)               | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1.0 ng/g; 1.2 ng/g; <LOQ]                              |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Atlantic Cod Sample from Outer Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)           | LOD: 0.76 ng/g<br>LOQ: 2.28-3.80 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ]                                           |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Starry Skate Sample from Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)           | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [ <LOQ; 1.9 ng/g; <LOQ]                                 |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Sea Urchin Sample from Outer Oslo Fjord<br>(n = 1; DF = 1; Sampling Period: Nov., 2008)             | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [0.5 ng/g]                                              |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Common sole Sample from Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)            | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2.6 ng/g; 3.6 ng/g; 2.5 ng/g]                          |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Long rough dab Sample from Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)         | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [0.8 ng/g; <LOQ; <LOQ]                                  |     |      |            |          |

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| Citation Information                                                                        | Site and Data Description                                                                                                               | Limit (LOD/LOQ)                        | Min                                                                      | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------|-----|------|------------|----------|
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Shrimps Sample from Outer Oslo Fjord<br>(n = 2; DF = 1; Sampling Period: Nov., 2008)                | LOD: 1.65 ng/g<br>LOQ: 4.95-8.25 ng/g  | POINT VALUE(S): [0.3 ng/g; 0.3 ng/g]                                     |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><b>OQD:</b> Uninformative | Oslofjord, Norway., NO<br>Scenario: Pectinidae blue mussel Sample from Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008) | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [ <LOQ; <LOQ; <LOQ]                                      |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: Atlantic Cod in the Outer Oslofjord<br>(n = 4; DF = 0.5; Sampling Period: Nov., 2008)                  | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [0.87 ng/g; <LOD; <LOD; 0.45 ng/g]                       |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: Coal fish in the Outer Oslofjord<br>(n = 3; DF = 0.67; Sampling Period: Nov., 2008)                    | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [0.73 ng/g; <LOD; 1.85 ng/g]                             |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: European Plaice in the Outer Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)              | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [3.94 ng/g; 3.79 ng/g]                                   |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: Haddock in the Outer Oslofjord<br>(n = 6; DF = 0.67; Sampling Period: Nov., 2008)                      | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [0.59 ng/g; 0.58 ng/g; 1.04 ng/g; 0.38 ng/g; <LOD; <LOD] |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: Long Rough Dab in the Outer Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)               | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [0.61 ng/g; 0.94 ng/g; 1.45 ng/g]                        |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Outer Oslofjord, NO<br>Scenario: Norway pout in the Outer Oslofjord<br>(n = 5; DF = 1.00; Sampling Period: Nov., 2008)                  | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [1.59 ng/g; 1.26 ng/g; 2.54 ng/g; 1.65 ng/g; 1.14 ng/g]  |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Inner Oslofjord, NO<br>Scenario: Atlantic Cod in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)                 | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [3.81 ng/g; 2.59 ng/g; 5.58 ng/g]                        |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Inner Oslofjord, NO<br>Scenario: Coal fish in the Inner Oslofjord<br>(n = 2; DF = 1.00; Sampling Period: Nov., 2008)                    | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [8.94 ng/g; 9.76 ng/g]                                   |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Inner Oslofjord, NO<br>Scenario: European Hake in the Inner Oslofjord<br>(n = 2; DF = 1.00; Sampling Period: Nov., 2008)                | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [8.40 ng/g; 12.82 ng/g]                                  |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><b>OQD:</b> Medium                    | Inner Oslofjord, NO<br>Scenario: European Plaice in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)              | LOD: 0.38 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [12.12 ng/g; 20.57 ng/g; 39.16 ng/g]                     |     |      |            |          |

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| Citation Information                                                     | Site and Data Description                                                                                                                | Limit (LOD/LOQ)                     | Min                                                  | Max | Mean                 | Percentile       | Variance |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------|-----|----------------------|------------------|----------|
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: European Whiting in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)              | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [2.27 ng/g; 2.99 ng/g; 3.49 ng/g]    |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Haddock in the Inner Oslofjord<br>(n = 2; DF = 1.00; Sampling Period: Nov., 2008)                       | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [5.17 ng/g; 4.73 ng/g]               |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Atlantic Herring in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)              | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [8.96 ng/g; 12.86 ng/g; 7.53 ng/g]   |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Long Rough Dab in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)                | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [11.54 ng/g; 15.92 ng/g; 23.98 ng/g] |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: North Atlantic Pollock in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)        | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [19.06 ng/g; 3.46 ng/g; 7.70 ng/g]   |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Norway pout in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)                   | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [32.04 ng/g; 31.70 ng/g; 19.25 ng/g] |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Poor Cod in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)                      | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [2.79 ng/g; 2.07 ng/g; 1.40 ng/g]    |     |                      |                  |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Vahls ellpout in the Inner Oslofjord<br>(n = 3; DF = 1.00; Sampling Period: Nov., 2008)                 | LOD: 0.38 ng/g<br>LOQ: Not Reported | POINT VALUE(S): [1.88 ng/g; 1.34 ng/g; 1.76 ng/g]    |     |                      |                  |          |
| Mcgoldrick et al. 2014<br><b>HERO ID:</b> 5469297<br><i>OQD:</i> Medium  | Across all of Canada, CA<br>Scenario: Lake trout from Lake Athabasca<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)       | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g     | NR                                                   | NR  | 1.4 ng/g<br>(AM)     | 50th: 1.5 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID:</b> 5469297<br><i>OQD:</i> Medium  | Across all of Canada, CA<br>Scenario: Lake trout from Lake Erie East Basin<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010) | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g     | NR                                                   | NR  | 4.3 ng/g<br>(AM)     | 50th: 4.1 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID:</b> 5469297<br><i>OQD:</i> Medium  | Across all of Canada, CA<br>Scenario: Walleye from Lake Erie West Basin<br>(n = 7; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)     | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g     | NR                                                   | NR  | 1.1 ng/g<br>(AM)     | 50th: 1.2 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID:</b> 5469297<br><i>OQD:</i> Medium  | Across all of Canada, CA<br>Scenario: Lake trout from Lake Kusawa<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)          | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g     | NR                                                   | NR  | 0.86<br>ng/g<br>(AM) | 50th: 0.83 ng/g; | NR       |

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| Citation Information                                             | Site and Data Description                                                                                                                      | Limit (LOD/LOQ)                 | Min | Max | Mean           | Percentile       | Variance |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|-----|----------------|------------------|----------|
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Lake trout from Lake Ontario Niagra/Credit<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010) | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 13.0 ng/g (AM) | 50th: 13.0 ng/g; | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Lake trout from Lake Ontario Cobourg<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)       | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 4.3 ng/g (AM)  | 50th: 4.0 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Walleye from Lake Winnipeg<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)                 | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 1.8 ng/g (AM)  | 50th: 1.5 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Lake trout from Lake Superior Marathon<br>(n = 10; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)     | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 2.6 ng/g (AM)  | 50th: 2.5 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Lake trout from Lake Huron North Channel<br>(n = 5; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)    | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 2.2 ng/g (AM)  | 50th: 2.5 ng/g;  | NR       |
| Mcgoldrick et al. 2014<br><b>HERO ID: 5469297</b><br>OQD: Medium | Across all of Canada, CA<br>Scenario: Lake trout from Lake Huron Owen Sound<br>(n = 5; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)       | LOD: 0.24 ng/g<br>LOQ: 0.6 ng/g | NR  | NR  | 2.3 ng/g (AM)  | 50th: 2.4 ng/g;  | NR       |

Octamethylcyclotetrasiloxane (D4)

Monitoring

Dietary

Table 3: Data Extraction Tables of Exposure Monitoring Studies for Dietary

| Citation Information                                                 | Site and Data Description                                                                                                                         | Limit (LOD/LOQ)                     | Min       | Max       | Mean           | Percentile       | Variance |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|-----------|----------------|------------------|----------|
| Sanchís et al. 2016<br><b>HERO ID:</b> 6833796<br><i>OQD:</i> Medium | Barcelona, Catalonia, ES<br>Scenario: Edible parts of wild and aquiculture fish purchased from markets<br>(n = 40; DF = 1; Sampling Period: 2016) | LOD: Not Reported<br>LOQ: 0.03 ng/g | 1.41 ng/g | 29.0 ng/g | 9.33 ng/g (AM) | 50th: 8.07 ng/g; | NR       |

Table 4: Data Extraction Tables of Exposure Monitoring Studies for Dust (Indoor)

| Citation Information                                              | Site and Data Description                                                                                                                             | Limit (LOD/LOQ)                     | Min       | Max       | Mean           | Percentile       | Variance        |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|-----------|----------------|------------------|-----------------|
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | China, CN<br>Scenario: Dust in personal computers in China<br>(n = 5; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                             | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 6.69 ng/g (AM) | NR               | 8.55 ng/g (ASD) |
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | China, CN<br>Scenario: Dust from Air Conditioners in China<br>(n = 7; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                             | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 10.9 ng/g (AM) | NR               | 15.7 ng/g (ASD) |
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | China, CN<br>Scenario: Dust from homes in China<br>(n = 56; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                                       | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 13.8 ng/g (AM) | NR               | 15.9 ng/g (ASD) |
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | Shanghai, CN<br>Scenario: Dust from dorms in China<br>(n = 17; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                                    | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 5.15 ng/g (AM) | NR               | 8.12 ng/g (ASD) |
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | Shanghai, CN<br>Scenario: Dust from offices in China<br>(n = 9; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                                   | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 46.3 ng/g (AM) | NR               | 55.2 ng/g (ASD) |
| Lu et al. 2010<br><b>HERO ID:</b> 2095298<br><i>OQD:</i> High     | Shanghai, CN<br>Scenario: Dust from labs in China<br>(n = 6; DF = NR; Sampling Period: Jul., 2009 - Sept., 2009)                                      | LOD: Not Reported<br>LOQ: 1.25 ng/g | NR        | NR        | 44.9 ng/g (AM) | NR               | 26.7 ng/g (ASD) |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High     | East Shandong Province, CN<br>Scenario: Residential indoor dust (background) - Zone C<br>(n = 6; DF = 0.67; Sampling Period: Aug., 2011 - Oct., 2011) | LOD: Not Reported<br>LOQ: 0.5 ng/g  | NR        | NR        | 23.3 ng/g (AM) | NR               | NR              |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Athens, Erateini, Komotini, GR<br>Scenario: Indoor dust in Greece<br>(n = 28; DF = 0.929; Sampling Period: 2014)                                      | LOD: Not Reported<br>LOQ: 3.0 ng/g  | ND        | 294 ng/g  | 92.8 ng/g (AM) | 50th: 65.8 ng/g; | NR              |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Kuwait, KW<br>Scenario: Indoor dust in Kuwait<br>(n = 28; DF = 1; Sampling Period: 2013)                                                              | LOD: Not Reported<br>LOQ: 3.0 ng/g  | 6.7 ng/g  | 1290 ng/g | 83.7 ng/g (AM) | 50th: 31.2 ng/g; | NR              |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Ansan, Anyang, KR<br>Scenario: Indoor dust in South Korea<br>(n = 28; DF = 0.929; Sampling Period: 2012)                                              | LOD: Not Reported<br>LOQ: 3.0 ng/g  | ND        | 135 ng/g  | 34.6 ng/g (AM) | 50th: 25.2 ng/g; | NR              |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Kumamoto, Nagasaki, Fukuoka, Saitama, Saga, JP<br>Scenario: Indoor dust in Japan<br>(n = 13; DF = 1; Sampling Period: 2012)                           | LOD: Not Reported<br>LOQ: 3.0 ng/g  | 9.93 ng/g | 63.3 ng/g | 24.2 ng/g (AM) | 50th: 18 ng/g;   | NR              |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Albany, US<br>Scenario: Indoor dust in USA<br>(n = 22; DF = 1; Sampling Period: 2014)                                                                 | LOD: Not Reported<br>LOQ: 3.0 ng/g  | 4.95 ng/g | 371 ng/g  | 55.9 ng/g (AM) | 50th: 25.9 ng/g; | NR              |

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Table 4 – continued from previous page

| Citation Information                                              | Site and Data Description                                                                                                        | Limit (LOD/LOQ)                    | Min       | Max       | Mean            | Percentile       | Variance |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------|-----------|-----------------|------------------|----------|
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Shanghai, CN<br>Scenario: Indoor dust in China<br>(n = 18; DF = 1; Sampling Period: 2010 - 2011)                                 | LOD: Not Reported<br>LOQ: 3.0 ng/g | 6.98 ng/g | 289 ng/g  | 47.5 ng/g (AM)  | 50th: 23.8 ng/g; | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Iasi, RO<br>Scenario: Indoor dust in Romania<br>(n = 23; DF = 0.87; Sampling Period: 2012)                                       | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 387 ng/g  | 42.7 ng/g (AM)  | 50th: 19.9 ng/g; | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Cartagena, CO<br>Scenario: Indoor dust in Colombia<br>(n = 28; DF = 0.929; Sampling Period: 2014)                                | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 249 ng/g  | 32.6 ng/g (AM)  | 50th: 24.4 ng/g; | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Hanoi, Hatinh, Hungyen, Thaibinh, VN<br>Scenario: Indoor dust in Vietnam<br>(n = 38; DF = 0.816; Sampling Period: 2014)          | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 46.7 ng/g | 13.5 ng/g (AM)  | 50th: 12.3 ng/g; | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Jeddah, SA<br>Scenario: Indoor dust in Saudi Arabia<br>(n = 28; DF = 0.179; Sampling Period: 2013)                               | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 123 ng/g  | 8.29 ng/g (AM)  | 50th: ND;        | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Patna, IN<br>Scenario: Indoor dust in India<br>(n = 28; DF = 0.679; Sampling Period: 2014)                                       | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 78.9 ng/g | 15.2 ng/g (AM)  | 50th: 11 ng/g;   | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3013038<br><i>OQD:</i> Medium | Faisalabad, PK<br>Scenario: Indoor dust in Pakistan<br>(n = 28; DF = 0.179; Sampling Period: 2011 - 2012)                        | LOD: Not Reported<br>LOQ: 3.0 ng/g | ND        | 1080 ng/g | 45.3 ng/g (AM)  | 50th: ND;        | NR       |
| Liu et al. 2017<br><b>HERO ID:</b> 4168341<br><i>OQD:</i> High    | Tianjin, CN<br>Scenario: Indoor dust from bathhouses in Tianjin, China<br>(n = 6; DF = 1; Sampling Period: 2017)                 | LOD: 1.4 ng/g<br>LOQ: Not Reported | 234 ng/g  | 584 ng/g  | 375 ng/g (AM)   | NR               | NR       |
| Liu et al. 2017<br><b>HERO ID:</b> 4168341<br><i>OQD:</i> High    | Tianjin, CN<br>Scenario: Indoor dust from university dormitories in Tianjin, China<br>(n = 42; DF = 0.95; Sampling Period: 2017) | LOD: 1.4 ng/g<br>LOQ: Not Reported | ND        | 251 ng/g  | 55.7 ng/g (AM)  | NR               | NR       |
| Liu et al. 2017<br><b>HERO ID:</b> 4168341<br><i>OQD:</i> High    | Tianjin, CN<br>Scenario: Indoor dust from houses in Tianjin, China<br>(n = 30; DF = 0.93; Sampling Period: 2017)                 | LOD: 1.4 ng/g<br>LOQ: Not Reported | ND        | 383 ng/g  | 84.0 ng/g (AM)  | NR               | NR       |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High    | Yunnan Province, CN<br>Scenario: Residential dust in China<br>(n = 20; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)        | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g     | NR        | NR        | 0.033 µg/g (AM) | NR               | NR       |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High    | Yunnan Province, CN<br>Scenario: Office dust in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)             | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g     | NR        | NR        | 0.019 µg/g (AM) | NR               | NR       |

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Octamethylcyclotetrasiloxane (D4)

Monitoring

Dust (Indoor)

Table 4 – continued from previous page

| Citation Information                                          | Site and Data Description                                                                                                                                                                        | Limit (LOD/LOQ)                 | Min                                                                                                                  | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------|-----|------|------------|----------|
| Xu et al. 2020<br><b>HERO ID:</b> 6836349<br><i>OQD:</i> High | Luqiao of Taizhou City, Zhejiang Province, CN<br>Scenario: Indoor dust from 10 residential buildings in reference area in China<br>(n = 10; DF = 0.80; Sampling Period: Jun., 2018 - Mar., 2019) | LOD: 0.55 ng/g<br>LOQ: 1.8 ng/g | POINT VALUE(S): [55.1 ng/g; 23.6 ng/g; <LOD; 38.2 ng/g; 60.8 ng/g; 37.1 ng/g; <LOD; 29.7 ng/g; 48.6 ng/g; 16.8 ng/g] |     |      |            |          |

Table 5: Data Extraction Tables of Exposure Monitoring Studies for Human Biomonitoring

| Citation Information                                                 | Site and Data Description                                                                                                                                                     | Limit (LOD/LOQ)                      | Min        | Max        | Mean            | Percentile        | Variance |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------|------------|-----------------|-------------------|----------|
| Xu et al. 2014<br><b>HERO ID:</b> 2533248<br><i>OQD:</i> High        | Northern China, CN<br>Scenario: Plasma in general population in northern China (n = 519; DF = 0.04; Sampling Period: Jan., 2012 - Mar., 2014)                                 | LOD: Not Reported<br>LOQ: 0.8 ng/mL  | 1.1 ng/mL  | 5.95 ng/mL | NR              | 50th: 2.5 ng/mL;  | NR       |
| Xu et al. 2014<br><b>HERO ID:</b> 2533248<br><i>OQD:</i> High        | Northern China, CN<br>Scenario: Abdominal fat in general male population in northern China (n = 70; DF = 0.17; Sampling Period: Jun., 2012 - Mar., 2014)                      | LOD: Not Reported<br>LOQ: 2.5 ng/g   | 5.95 ng/g  | 65.6 ng/g  | NR              | 50th: 15.0 ng/g;  | NR       |
| Xu et al. 2014<br><b>HERO ID:</b> 2533248<br><i>OQD:</i> High        | Northern China, CN<br>Scenario: Abdominal fat in general female population in northern China (n = 179; DF = 0.46; Sampling Period: Jun., 2012 - Mar., 2014)                   | LOD: Not Reported<br>LOQ: 2.5 ng/g   | 4.0 ng/g   | 141.0 ng/g | NR              | 50th: 46.7 ng/g;  | NR       |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High        | East Shandong Province, CN<br>Scenario: Plasma of residents of Zone C (background community) (n = 58; DF = 0.03; Sampling Period: Aug., 2011 - Oct., 2011)                    | LOD: Not Reported<br>LOQ: 0.8 ng/g   | 1.2 ng/g   | 3.6 ng/g   | NR              | NR                | NR       |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High        | East Shandong Province, CN<br>Scenario: Plasma of siloxane production facility workers - Zone A (n = 72; DF = 1; Sampling Period: Aug., 2011 - Oct., 2011)                    | LOD: Not Reported<br>LOQ: 0.8 ng/g   | NR         | NR         | 206.0 ng/g (AM) | NR                | NR       |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High        | East Shandong Province, CN<br>Scenario: Plasma of residents nearby/downwind siloxane production facility - Zone B (n = 14; DF = NR; Sampling Period: Aug., 2011 - Oct., 2011) | LOD: Not Reported<br>LOQ: 0.8 ng/g   | NR         | NR         | 13.5 ng/g (AM)  | NR                | NR       |
| Fromme et al. 2015<br><b>HERO ID:</b> 3007350<br><i>OQD:</i> High    | Munich, Bavaria, DE<br>Scenario: Blood Plasma concentrations from healthy individuals in Germany (n = 42; DF = 0.31; Sampling Period: Winter, 2013 - Winter, 2014)            | LOD: 0.18 µg/L<br>LOQ: Not Reported  | NR         | 0.73 µg/L  | NR              | 95th: 0.67 µg/L;  | NR       |
| Hanssen et al. 2013<br><b>HERO ID:</b> 4955598<br><i>OQD:</i> Medium | NO<br>Scenario: Plasma from postmenopausal women in Norway (n = 94; DF = 0.85; Sampling Period: 2005)                                                                         | LOD: Not Reported<br>LOQ: 2.74 ng/mL | 2.93 ng/mL | 12.7 ng/mL | NR              | 50th: 4.8 ng/mL;  | NR       |
| Hanssen et al. 2013<br><b>HERO ID:</b> 4955598<br><i>OQD:</i> Medium | NO<br>Scenario: Plasma from pregnant women in Norway (n = 17; DF = 0.18; Sampling Period: Feb., 2009 - May, 2009)                                                             | LOD: Not Reported<br>LOQ: 1.48 ng/mL | 1.7 ng/mL  | 2.69 ng/mL | NR              | 50th: 2.07 ng/mL; | NR       |

Continued on next page ...

Table 5 – continued from previous page

| Citation Information                                                 | Site and Data Description                                                                                                                                 | Limit (LOD/LOQ)                      | Min        | Max        | Mean            | Percentile       | Variance |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------|------------|-----------------|------------------|----------|
| Hanssen et al. 2013<br><b>HERO ID:</b> 4955598<br><i>OQD:</i> Medium | NO<br>Scenario: Red blood cell from pregnant women in Norway (n = 17; DF = 0.12; Sampling Period: Feb., 2009 - May, 2009)                                 | LOD: Not Reported<br>LOQ: 1.48 ng/mL | 2.08 ng/mL | 2.92 ng/mL | NR              | 50th: 2.5 ng/mL; | NR       |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High       | Yunnan Province, CN<br>Scenario: Plasma from the general population in China (n = 100; DF = 0.13; Sampling Period: Jan., 2017 - Mar., 2017)               | LOD: 0.4 ng/mL<br>LOQ: 0.9 ng/mL     | 0.1 ng/mL  | 7.8 ng/mL  | 0.66 ng/mL (GM) | NR               | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium     | Multiple Regions in Sweden, SE<br>Scenario: Human breastmilk provided by the University Hospital of Lund (n = 39; DF = 0.08; Sampling Period: Fall, 2004) | LOD: <2 µg/L<br>LOQ: Not Reported    | NR         | 10.0 µg/L  | NR              | NR               | NR       |



Table 6: Data Extraction Tables of Exposure Monitoring Studies for Indoor Air

| Citation Information                                             | Site and Data Description                                                                                                                                | Limit (LOD/LOQ)                                        | Min                    | Max                   | Mean                       | Percentile | Variance |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------|-----------------------|----------------------------|------------|----------|
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from bathrooms in private residences in Italy<br>(n = 15; DF = 1; Sampling Period: May, 2011 - Aug., 2011)      | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 1.9 µg/m <sup>3</sup>  | 27 µg/m <sup>3</sup>  | 42 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from boy bedrooms in private residences in Italy<br>(n = 6; DF = 1; Sampling Period: May, 2011 - Aug., 2011)    | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 0.74 µg/m <sup>3</sup> | 35 µg/m <sup>3</sup>  | 8.0 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from girl bedrooms in private residences in Italy<br>(n = 6; DF = 1; Sampling Period: May, 2011 - Aug., 2011)   | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 0.72 µg/m <sup>3</sup> | 73 µg/m <sup>3</sup>  | 19 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from living rooms in private residences in Italy<br>(n = 5; DF = 1; Sampling Period: May, 2011 - Aug., 2011)    | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 2.1 µg/m <sup>3</sup>  | 22 µg/m <sup>3</sup>  | 8.2 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from adult rooms in private residences in Italy<br>(n = 9; DF = NR; Sampling Period: May, 2011 - Aug., 2011)    | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | ND                     | 60 µg/m <sup>3</sup>  | 11 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from supermarkets in Italy<br>(n = 2; DF = 1; Sampling Period: May, 2011 - Aug., 2011)                          | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 5.2 µg/m <sup>3</sup>  | 5.2 µg/m <sup>3</sup> | 5.2 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, IT<br>Scenario: Indoor air from office buildings in Italy<br>(n = 5; DF = 1; Sampling Period: May, 2011 - Aug., 2011)                      | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 0.94 µg/m <sup>3</sup> | 5.2 µg/m <sup>3</sup> | 2.2 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, GB<br>Scenario: Indoor air from bathrooms in private residences in the UK<br>(n = 9; DF = 1; Sampling Period: May, 2011 - Aug., 2011)      | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 2.3 µg/m <sup>3</sup>  | 270 µg/m <sup>3</sup> | 68 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, GB<br>Scenario: Indoor air from boy bedrooms in private residences in the UK<br>(n = 5; DF = 1; Sampling Period: May, 2011 - Aug., 2011)   | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | 3.8 µg/m <sup>3</sup>  | 15 µg/m <sup>3</sup>  | 8.4 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High | Not reported, GB<br>Scenario: Indoor air from girl bedrooms in private residences in the UK<br>(n = 5; DF = NR; Sampling Period: May, 2011 - Aug., 2011) | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported | ND                     | 62 µg/m <sup>3</sup>  | 15 µg/m <sup>3</sup> (AM)  | NR         | NR       |

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| Citation Information                                                | Site and Data Description                                                                                                                              | Limit (LOD/LOQ)                                           | Min                                     | Max                  | Mean                       | Percentile | Variance |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|----------------------|----------------------------|------------|----------|
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High    | Not reported, GB<br>Scenario: Indoor air from living rooms in private residences in the UK<br>(n = 5; DF = 1; Sampling Period: May, 2011 - Aug., 2011) | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported    | 2.3 µg/m <sup>3</sup>                   | 80 µg/m <sup>3</sup> | 43 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High    | Not reported, GB<br>Scenario: Indoor air from adult rooms in private residences in the UK<br>(n = 1; DF = 1; Sampling Period: May, 2011 - Aug., 2011)  | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported    | NR                                      | NR                   | 1.9 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High    | Not reported, GB<br>Scenario: Indoor air from schools in the UK<br>(n = 1; DF = 1; Sampling Period: May, 2011 - Aug., 2011)                            | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported    | NR                                      | NR                   | 17 µg/m <sup>3</sup> (AM)  | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High    | Not reported, GB<br>Scenario: Indoor air from office buildings in the UK<br>(n = 4; DF = 1; Sampling Period: May, 2011 - Aug., 2011)                   | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported    | 3.5 µg/m <sup>3</sup>                   | 20 µg/m <sup>3</sup> | 9.8 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Pieri et al. 2013<br><b>HERO ID:</b> 2549394<br><i>OQD:</i> High    | Not reported, GB<br>Scenario: Indoor air from supermarkets in the UK<br>(n = 3; DF = 1; Sampling Period: May, 2011 - Aug., 2011)                       | LOD: 0.007-0.04 µg/m <sup>3</sup><br>LOQ: Not Reported    | 3.5 µg/m <sup>3</sup>                   | 12 µg/m <sup>3</sup> | 6.9 µg/m <sup>3</sup> (AM) | NR         | NR       |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab A, (night measurement, no students)<br>(n = 1; DF = 1; Sampling Period: Mar., 2011)                          | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [46 ng/m <sup>3</sup> ] |                      |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab B (night measurement, no students)<br>(n = 1; DF = 1; Sampling Period: Mar., 2011)                           | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [51 ng/m <sup>3</sup> ] |                      |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab C (night measurement, no students)<br>(n = 1; DF = 1; Sampling Period: Mar., 2011)                           | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [57 ng/m <sup>3</sup> ] |                      |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab D (night measurement, no students)<br>(n = 1; DF = 1; Sampling Period: Mar., 2011)                           | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [63 ng/m <sup>3</sup> ] |                      |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Office A (night measurement, no students)<br>(n = 1; DF = 1; Sampling Period: Mar., 2011)                        | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [73 ng/m <sup>3</sup> ] |                      |                            |            |          |

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| Citation Information                                                | Site and Data Description                                                                                                                                            | Limit (LOD/LOQ)                                           | Min                                                              | Max | Mean                       | Percentile | Variance |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-----|----------------------------|------------|----------|
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 1 (day measurement, 6 students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                            | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [25 ng/m <sup>3</sup> ; 21 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 2 (night measurement, no students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                         | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [47 ng/m <sup>3</sup> ; 47 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 3 (day measurement, 7 students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                            | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [57 ng/m <sup>3</sup> ; 58 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 4 (night measurement, no students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                         | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [30 ng/m <sup>3</sup> ; 32 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 5 (day measurement, 6 students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                            | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [78 ng/m <sup>3</sup> ; 72 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Lab 6 (night measurement, no students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                         | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [24 ng/m <sup>3</sup> ; 29 ng/m <sup>3</sup> ]   |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Office 1 (day measurement, 10 students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                        | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [340 ng/m <sup>3</sup> ; 340 ng/m <sup>3</sup> ] |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Office 2 (night measurement, no students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                      | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [280 ng/m <sup>3</sup> ; 250 ng/m <sup>3</sup> ] |     |                            |            |          |
| Yucuis et al. 2013<br><b>HERO ID:</b> 2553409<br><i>OQD:</i> Medium | Iowa, US<br>Scenario: Indoor air from Office 3 (day measurement, 10 students)<br>(n = 2; DF = 1; Sampling Period: Jan., 2013)                                        | LOD: 6.6 ng/m <sup>3</sup><br>LOQ: 14.0 ng/m <sup>3</sup> | POINT VALUE(S): [510 ng/m <sup>3</sup> ; 480 ng/m <sup>3</sup> ] |     |                            |            |          |
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High       | East Shandong Province, CN<br>Scenario: Indoor air from siloxane production facility workshops - Zone A<br>(n = 6; DF = 1; Sampling Period: Aug., 2011 - Oct., 2011) | LOD: Not Reported<br>LOQ: 1.0 ng/m <sup>3</sup>           | NR                                                               | NR  | 2.7 mg/m <sup>3</sup> (AM) | NR         | NR       |

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| Citation Information                                            | Site and Data Description                                                                                                                            | Limit (LOD/LOQ)                                            | Min                    | Max                    | Mean                         | Percentile | Variance |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------|------------------------|------------------------------|------------|----------|
| Xu et al. 2012<br><b>HERO ID:</b> 2558926<br><i>OQD:</i> High   | East Shandong Province, CN<br>Scenario: Residential indoor air (background) - Zone C<br>(n = 6; DF = 0.67; Sampling Period: Aug., 2011 - Oct., 2011) | LOD: Not Reported<br>LOQ: 0.36 ng/m <sup>3</sup>           | 0.18 μg/m <sup>3</sup> | 0.31 μg/m <sup>3</sup> | NR                           | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from homes<br>(n = 20; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                         | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 17.9 μg/g              | 169 μg/g               | 47.6 μg/g (AM)               | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from offices<br>(n = 7; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                        | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 19.2 μg/g              | 50.4 μg/g              | 35 μg/g (AM)                 | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from laboratories<br>(n = 13; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                  | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 13.9 μg/g              | 108 μg/g               | 49.7 μg/g (AM)               | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from schools<br>(n = 6; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                        | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 24 μg/g                | 400 μg/g               | 153 μg/g (AM)                | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from salons<br>(n = 6; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                         | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 145 μg/g               | 1680 μg/g              | 665 μg/g (AM)                | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (particulate) from public places<br>(n = 8; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                  | LOD: 1.2 ng/g<br>LOQ: 4.0 ng/g                             | 13.4 μg/g              | 75 μg/g                | 37.6 μg/g (AM)               | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (vapor) from homes<br>(n = 20; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                               | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 4.37 ng/m <sup>3</sup> | 210 ng/m <sup>3</sup>  | 50.9 ng/m <sup>3</sup> (AM)  | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (vapor) from offices<br>(n = 7; DF = 0.86; Sampling Period: Mar., 2014 - May, 2014)                           | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 0.06 ng/m <sup>3</sup> | 7.8 ng/m <sup>3</sup>  | 23.06 ng/m <sup>3</sup> (AM) | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (vapor) from laboratories<br>(n = 13; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                        | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 5.27 ng/m <sup>3</sup> | 87.5 ng/m <sup>3</sup> | 31.6 ng/m <sup>3</sup> (AM)  | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (vapor) from schools<br>(n = 6; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                              | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 12.8 ng/m <sup>3</sup> | 245 ng/m <sup>3</sup>  | 76.1 ng/m <sup>3</sup> (AM)  | NR         | NR       |
| Tran et al. 2015<br><b>HERO ID:</b> 3014985<br><i>OQD:</i> High | Albany, NY, US<br>Scenario: Indoor air (vapor) from salons<br>(n = 6; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                               | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 193 ng/m <sup>3</sup>  | 722 ng/m <sup>3</sup>  | 446 ng/m <sup>3</sup> (AM)   | NR         | NR       |

Continued on next page ...

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| Citation Information                                          | Site and Data Description                                                                                                                                                                                                                       | Limit (LOD/LOQ)                                            | Min                    | Max                   | Mean                        | Percentile       | Variance                    |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------|-----------------------|-----------------------------|------------------|-----------------------------|
| Tran et al. 2015<br><b>HERO ID: 3014985</b><br>OQD: High      | Albany, NY, US<br>Scenario: Indoor air (vapor) from public spaces<br>(n = 8; DF = 1; Sampling Period: Mar., 2014 - May, 2014)                                                                                                                   | LOD: 0.08 ng/m <sup>3</sup><br>LOQ: 0.28 ng/m <sup>3</sup> | 34.3 ng/m <sup>3</sup> | 501 ng/m <sup>3</sup> | 196 ng/m <sup>3</sup> (AM)  | NR               | NR                          |
| Shields et al. 1996<br><b>HERO ID: 3449521</b><br>OQD: Medium | WA; CA; UT; TX; MN; WI; IL; MI; MO; KS; AL; GA; FL; IN; KY; OH; NY; MA; CT; PA; DE; NJ; MD; VA; DC, US<br>Scenario: Indoor air from 11 U.S. admin office buildings<br>(n = 33; DF = 1; Sampling Period: Mar., 1991 - Apr., 1991)                | LOD: 0.05 µg/m <sup>3</sup><br>LOQ: Not Reported           | NR                     | NR                    | 10.2 µg/m <sup>3</sup> (GM) | NR               | 2.7 µg/m <sup>3</sup> (GSD) |
| Shields et al. 1996<br><b>HERO ID: 3449521</b><br>OQD: Medium | WA; CA; UT; TX; MN; WI; IL; MI; MO; KS; AL; GA; FL; IN; KY; OH; NY; MA; CT; PA; DE; NJ; MD; VA; DC, US<br>Scenario: Indoor air from 50 U.S. Telecommunication office buildings<br>(n = 50; DF = 0.92; Sampling Period: Mar., 1991 - Apr., 1991) | LOD: 0.05 µg/m <sup>3</sup><br>LOQ: Not Reported           | NR                     | NR                    | 2.5 µg/m <sup>3</sup> (GM)  | NR               | 3.3 µg/m <sup>3</sup> (GSD) |
| Shields et al. 1996<br><b>HERO ID: 3449521</b><br>OQD: Medium | WA; CA; UT; TX; MN; WI; IL; MI; MO; KS; AL; GA; FL; IN; KY; OH; NY; MA; CT; PA; DE; NJ; MD; VA; DC, US<br>Scenario: Indoor air from 9 U.S. Data Center office buildings<br>(n = 9; DF = 1; Sampling Period: Mar., 1991 - Apr., 1991)            | LOD: 0.05 µg/m <sup>3</sup><br>LOQ: Not Reported           | NR                     | NR                    | 9.4 µg/m <sup>3</sup> (GM)  | NR               | 2.8 µg/m <sup>3</sup> (GSD) |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from homes (HN)<br>(n = 19; DF = 0.84; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                    | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 176 µg/g              | 39.6 µg/g (AM)              | 50th: 17.0 µg/g; | NR                          |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from cars<br>(n = 8; DF = 0.88; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                           | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 207 µg/g              | 55.0 µg/g (AM)              | 50th: 11.3 µg/g; | NR                          |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from kindergartens<br>(n = 7; DF = 0.86; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                  | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 135 µg/g              | 29.9 µg/g (AM)              | 50th: 15.8 µg/g; | NR                          |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from laboratories<br>(n = 19; DF = 0.79; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                  | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 77.7 µg/g             | 22.1 µg/g (AM)              | 50th: 22.2 µg/g; | NR                          |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from offices<br>(n = 9; DF = 0.78; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                        | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 79.6 µg/g             | 26.4 µg/g (AM)              | 50th: 8.57 µg/g; | NR                          |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium    | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from hair salons<br>(n = 13; DF = 0.92; Sampling Period: Sept., 2016 - Jan., 2017)                                                                                                   | LOD: Not Reported<br>LOQ: 1.5 µg/g                         | ND                     | 200 µg/g              | 82.4 µg/g (AM)              | 50th: 55.2 µg/g; | NR                          |

Continued on next page ...

Table 6 – continued from previous page

| Citation Information                                       | Site and Data Description                                                                                                                                | Limit (LOD/LOQ)                        | Min                    | Max                    | Mean                        | Percentile                     | Variance |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------|------------------------|-----------------------------|--------------------------------|----------|
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from homes (BN)<br>(n = 8; DF = 0.63; Sampling Period: Sept., 2016 - Jan., 2017)              | LOD: Not Reported<br>LOQ: 1.5 µg/g     | ND                     | 35.5 µg/g              | 8.82 µg/g (AM)              | 50th: 4.60 µg/g;               | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from Homes (TB)<br>(n = 6; DF = 0.67; Sampling Period: Sept., 2016 - Jan., 2017)              | LOD: Not Reported<br>LOQ: 1.5 µg/g     | ND                     | 349 µg/g               | 66.6 µg/g (AM)              | 50th: 6.66 µg/g;               | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate) from homes (TQ)<br>(n = 8; DF = 0.75; Sampling Period: Sept., 2016 - Jan., 2017)              | LOD: Not Reported<br>LOQ: 1.5 µg/g     | ND                     | 27.5 µg/g              | 10.8 µg/g (AM)              | 50th: 10.8 µg/g;               | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from homes (HN)<br>(n = 19; DF = 0.95; Sampling Period: Sept., 2016 - Jan., 2017)   | LOD: Not Reported<br>LOQ: Not Reported | ND                     | 218 ng/m <sup>3</sup>  | 71.4 ng/m <sup>3</sup> (AM) | 50th: 47.6 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from cars<br>(n = 8; DF = 1; Sampling Period: Sept., 2016 - Jan., 2017)             | LOD: Not Reported<br>LOQ: Not Reported | 2.04 ng/m <sup>3</sup> | 58.1 ng/m <sup>3</sup> | 15.6 ng/m <sup>3</sup> (AM) | 50th: 13.3 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from kindergartens<br>(n = 7; DF = 1; Sampling Period: Sept., 2016 - Jan., 2017)    | LOD: Not Reported<br>LOQ: Not Reported | 3.64 ng/m <sup>3</sup> | 19.5 ng/m <sup>3</sup> | 9.35 ng/m <sup>3</sup> (AM) | 50th: 7.74 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from laboratories<br>(n = 19; DF = 0.90; Sampling Period: Sept., 2016 - Jan., 2017) | LOD: Not Reported<br>LOQ: Not Reported | ND                     | 62.3 ng/m <sup>3</sup> | 8.63 ng/m <sup>3</sup> (AM) | 50th: 4.85 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from offices<br>(n = 9; DF = 1; Sampling Period: Sept., 2016 - Jan., 2017)          | LOD: Not Reported<br>LOQ: Not Reported | 1.31 ng/m <sup>3</sup> | 24.0 ng/m <sup>3</sup> | 9.64 ng/m <sup>3</sup> (AM) | 50th: 6.31 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from hair salons<br>(n = 13; DF = 1; Sampling Period: Sept., 2016 - Jan., 2017)     | LOD: Not Reported<br>LOQ: Not Reported | 20.1 ng/m <sup>3</sup> | 662 ng/m <sup>3</sup>  | 227 ng/m <sup>3</sup> (AM)  | 50th: 170 ng/m <sup>3</sup> ;  | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from homes (BN)<br>(n = 8; DF = 0.88; Sampling Period: Sept., 2016 - Jan., 2017)    | LOD: Not Reported<br>LOQ: Not Reported | ND                     | 51.9 ng/m <sup>3</sup> | 15.4 ng/m <sup>3</sup> (AM) | 50th: 15.2 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from homes (TB)<br>(n = 6; DF = 0.83; Sampling Period: Sept., 2016 - Jan., 2017)    | LOD: Not Reported<br>LOQ: Not Reported | ND                     | 29.1 ng/m <sup>3</sup> | 10.9 ng/m <sup>3</sup> (AM) | 50th: 6.83 ng/m <sup>3</sup> ; | NR       |
| Tran et al. 2017<br><b>HERO ID: 3861464</b><br>OQD: Medium | Northern Vietnam, VN<br>Scenario: Indoor air (particulate and vapor) from homes (TQ)<br>(n = 8; DF = 0.88; Sampling Period: Sept., 2016 - Jan., 2017)    | LOD: Not Reported<br>LOQ: Not Reported | ND                     | 17.9 ng/m <sup>3</sup> | 6.6 ng/m <sup>3</sup> (AM)  | 50th: 5.6 ng/m <sup>3</sup> ;  | NR       |

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| Citation Information                                               | Site and Data Description                                                                                                                                                                         | Limit (LOD/LOQ)                                            | Min                        | Max                        | Mean                            | Percentile      | Variance                   |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------|----------------------------|---------------------------------|-----------------|----------------------------|
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High      | Dalian, China, CN<br>Scenario: Indoor air (vapor) from male dormitories at Dalian Maritime University in China<br>(n = 12; DF = 1; Sampling Period: Jun., 2015)                                   | LOD: 5.3 ng/m <sup>3</sup><br>LOQ: 12.0 ng/m <sup>3</sup>  | 34 ng/m <sup>3</sup>       | 95 ng/m <sup>3</sup>       | 62 ng/m <sup>3</sup> (AM)       | NR              | 21 ng/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High      | Dalian, China, CN<br>Scenario: Indoor air (vapor) from female dormitories at Dalian Maritime University in China<br>(n = 12; DF = 1; Sampling Period: Jun., 2015)                                 | LOD: 5.3 ng/m <sup>3</sup><br>LOQ: 12.0 ng/m <sup>3</sup>  | 130 ng/m <sup>3</sup>      | 460 ng/m <sup>3</sup>      | 230 ng/m <sup>3</sup> (AM)      | NR              | 95 ng/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High      | Dalian, China, CN<br>Scenario: Indoor air (particulate) from male dormitories at Dalian Maritime University in China<br>(n = 12; DF = 0.08; Sampling Period: Jun., 2015)                          | LOD: 4.5 ng/m <sup>3</sup><br>LOQ: 12.0 ng/m <sup>3</sup>  | NR                         | NR                         | <LOD                            | NR              | NR                         |
| Li et al. 2020<br><b>HERO ID:</b> 6833947<br><i>OQD:</i> High      | Dalian, China, CN<br>Scenario: Indoor air (particulate) from female dormitories at Dalian Maritime University in China<br>(n = 12; DF = NR; Sampling Period: Jun., 2015)                          | LOD: 4.5 ng/m <sup>3</sup><br>LOQ: 12.0 ng/m <sup>3</sup>  | <LOD                       | 38 ng/m <sup>3</sup>       | 12 ng/m <sup>3</sup> (AM)       | NR              | 17 ng/m <sup>3</sup> (ASD) |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High     | Yunnan Province, CN<br>Scenario: Residential indoor air in China<br>(n = 20; DF = 0.80; Sampling Period: Jan., 2017 - Mar., 2017)                                                                 | LOD: 0.13 ng/m <sup>3</sup><br>LOQ: 0.35 ng/m <sup>3</sup> | 0.33 µg/m <sup>3</sup>     | 2.1 µg/m <sup>3</sup>      | 1.16 µg/m <sup>3</sup> (AM)     | NR              | NR                         |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High     | Yunnan Province, CN<br>Scenario: Office indoor air in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                                                                        | LOD: 0.13 ng/m <sup>3</sup><br>LOQ: 0.35 ng/m <sup>3</sup> | NR                         | NR                         | 0.85 µg/m <sup>3</sup> (AM)     | NR              | NR                         |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High     | Yunnan Province, CN<br>Scenario: Residential indoor PM2.5 in China<br>(n = 20; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                                                                 | LOD: 0.2 ng/g<br>LOQ: 0.5 ng/g                             | NR                         | NR                         | 0.11 µg/g (AM)                  | NR              | NR                         |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High     | Yunnan Province, CN<br>Scenario: Office indoor PM2.5 in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                                                                      | LOD: 0.2 ng/g<br>LOQ: 0.5 ng/g                             | NR                         | NR                         | 0.099 µg/g (AM)                 | NR              | NR                         |
| NYIEQ et al. 2005<br><b>HERO ID:</b> 7002239<br><i>OQD:</i> Medium | Syracuse, NY, US<br>Scenario: Indoor air concentrations in residential buildings<br>(n = 130; DF = 0.15; Sampling Period: Dec., 2001 - Mar., 2003)                                                | LOD: Not Reported<br>LOQ: Not Reported                     | 0.1 ppb                    | 20.56 ppb                  | 2.64 ppb (AM)                   | 50th: 1.36 ppb; | NR                         |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High     | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 3 university dining areas<br>(n = 3; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016) | LOD: 31.0 ng/m <sup>3</sup><br>LOQ: 72.0 ng/m <sup>3</sup> | 140000.0 pg/m <sup>3</sup> | 190000.0 pg/m <sup>3</sup> | 170000.0 pg/m <sup>3</sup> (AM) | NR              | NR                         |

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Table 6 – continued from previous page

| Citation Information                                           | Site and Data Description                                                                                                                                                                                         | Limit<br>(LOD/LOQ)                                               | Min                                           | Max                           | Mean                                  | Percentile | Variance |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|-------------------------------|---------------------------------------|------------|----------|
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 9 homes of university employees (n = 9; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016)              | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | 97.0<br>ng/m <sup>3</sup>                     | 460.0<br>ng/m <sup>3</sup>    | 240.0<br>ng/m <sup>3</sup><br>(AM)    | NR         | NR       |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 1 university computer room (n = 1; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016)                   | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | POINT VALUE(S): [110000.0 pg/m <sup>3</sup> ] |                               |                                       |            |          |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 3 university lecture rooms (n = 3; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016)                   | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | 43000.0<br>pg/m <sup>3</sup>                  | 230000.0<br>pg/m <sup>3</sup> | 120000.0<br>pg/m <sup>3</sup><br>(AM) | NR         | NR       |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 3 university laboratories (n = 3; DF = 0.67; Sampling Period: Sept., 2016 - Nov., 2016)                 | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | <LOD                                          | 73000.0<br>pg/m <sup>3</sup>  | 24000.0<br>pg/m <sup>3</sup><br>(AM)  | NR         | NR       |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from occupational university rooms (n = 18; DF = <1; Sampling Period: Sept., 2016 - Nov., 2016)              | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | <LOD                                          | 470.0<br>ng/m <sup>3</sup>    | 180.0<br>ng/m <sup>3</sup><br>(AM)    | NR         | NR       |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE<br>Scenario: Indoor air from 8 university offices with forced ventilation (n = 8; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016) | LOD: 31.0<br>ng/m <sup>3</sup><br>LOQ: 72.0<br>ng/m <sup>3</sup> | 51000.0<br>pg/m <sup>3</sup>                  | 470000.0<br>pg/m <sup>3</sup> | 280000.0<br>pg/m <sup>3</sup><br>(AM) | NR         | NR       |

Table 7: Data Extraction Tables of Exposure Monitoring Studies for Other

| Citation Information                                             | Site and Data Description                                                                                                                                                              | Limit (LOD/LOQ)                                 | Min                        | Max                    | Mean | Percentile | Variance |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------|------------------------|------|------------|----------|
| Xu et al. 2017<br><b>HERO ID:</b> 6836342<br><i>OQD:</i> Medium  | Shandong Province, China, CN<br>Scenario: Biogas from landfill in China<br>(n = 36; DF = 1.0; Sampling Period: Jan., 2016 - Dec., 2016)                                                | LOD: Not Reported<br>LOQ: 4.5 ng/m <sup>3</sup> | 0.753 mg/m <sup>3</sup>    | 2.33 mg/m <sup>3</sup> | NR   | NR         | NR       |
| Xu et al. 2017<br><b>HERO ID:</b> 6836342<br><i>OQD:</i> Medium  | Shandong Province, China, CN<br>Scenario: Leachate influent of storage pond in China<br>(n = 36; DF = 1.0; Sampling Period: Jan., 2016 - Dec., 2016)                                   | LOD: Not Reported<br>LOQ: 2.5-3.0 ng/L          | 0.338 µg/L                 | 7.18 µg/L              | NR   | NR         | NR       |
| Xu et al. 2017<br><b>HERO ID:</b> 6836342<br><i>OQD:</i> Medium  | Shandong Province, China, CN<br>Scenario: Leachate effluent of storage pond in China<br>(n = 36; DF = 0.83; Sampling Period: Jan., 2016 - Dec., 2016)                                  | LOD: Not Reported<br>LOQ: 2.5-3.0 ng/L          | 3.21 ng/L                  | 459 ng/L               | NR   | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Leachate near point sources in Denmark<br>(n = 2; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                           | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | NR                         | NR                     | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Torshavn, Kaldbaksfjord, Faroe Islands, FO<br>Scenario: Leachate near point sources in Faroe Island<br>(n = 1; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                       | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | NR                         | NR                     | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Leachate near point sources in Finland<br>(n = 1; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                                   | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | POINT VALUE(S): [ <LOD]    |                        |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Leachate near point sources in Iceland<br>(n = 1; DF = 1.0; Sampling Period: Sept., 2004 - May, 2005)                   | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | POINT VALUE(S): [1.1 µg/L] |                        |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Oslo, Norway, NO<br>Scenario: Leachate near point sources in Norway<br>(n = 3; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                                                       | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | NR                         | NR                     | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Leachate near point sources in Sweden<br>(n = 2; DF = 0; Sampling Period: Sept., 2004 - May, 2005) | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported        | NR                         | NR                     | <LOD | NR         | NR       |

Table 8: Data Extraction Tables of Exposure Monitoring Studies for Sediment

| Citation Information                                              | Site and Data Description                                                                                                                  | Limit (LOD/LOQ)                     | Min                           | Max        | Mean | Percentile | Variance |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------|------------|------|------------|----------|
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Chowder Ness area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)  | LOD: Not Reported<br>LOQ: 16.6 ng/g | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Paul Holme area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)    | LOD: Not Reported<br>LOQ: 7.4 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Stone Creek area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)   | LOD: Not Reported<br>LOQ: 3.5 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Welwick area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)       | LOD: Not Reported<br>LOQ: 3.0 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Cleethorpes area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)   | LOD: Not Reported<br>LOQ: 3.2 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Kierkegaard et al. 2011<br><b>HERO ID: 2151369</b><br>OQD: Medium | England, GB<br>Scenario: Sediments from Skefling area of Humber Estuary<br>(n = 1; DF = 0; Sampling Period: Sept., 2009 - Oct., 2009)      | LOD: Not Reported<br>LOQ: 4.4 ng/g  | POINT VALUE(S): [ <LOQ; <LOQ] |            |      |            |          |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Sediment from Adventfjorden (AFJ), Norway - Dow Corning Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009) | LOD: 0.09 ng/g<br>LOQ: 1.21 ng/g    | -0.12 ng/g                    | -0.07 ng/g | NR   | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Kongsfjorden, NO<br>Scenario: Sediment from Kongsfjorden (KFJ), Norway - Dow Corning Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)   | LOD: 0.09 ng/g<br>LOQ: 1.21 ng/g    | -0.18 ng/g                    | -0.15 ng/g | NR   | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Adventfjorden, NO<br>Scenario: Sediment from Adventfjorden (AFJ), Norway - Evonik Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)      | LOD: 0.38 ng/g<br>LOQ: 2.52 ng/g    | -0.29 ng/g                    | 0.17 ng/g  | NR   | NR         | NR       |
| Warner et al. 2013<br><b>HERO ID: 2557764</b><br>OQD: Medium      | Kongsfjorden, NO<br>Scenario: Sediment from Kongsfjorden (KFJ), Norway - Evonik Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)        | LOD: 0.38 ng/g<br>LOQ: 2.52 ng/g    | 0.06 ng/g                     | 0.28 ng/g  | NR   | NR         | NR       |

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Table 8 – continued from previous page

| Citation Information                                                     | Site and Data Description                                                                                                                                                                     | Limit (LOD/LOQ)                            | Min        | Max         | Mean            | Percentile        | Variance         |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------|-------------|-----------------|-------------------|------------------|
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium      | Adventfjorden, NO<br>Scenario: Sediment from Adventfjorden (AFJ), Norway - NILU Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                                                           | LOD: 0.50 ng/g<br>LOQ: 0.62 ng/g           | 0.05 ng/g  | 0.23 ng/g   | NR              | NR                | NR               |
| Warner et al. 2013<br><b>HERO ID:</b> 2557764<br><i>OQD:</i> Medium      | Kongsfjorden, NO<br>Scenario: Sediment from Kongsfjorden (KFJ), Norway - NILU Lab<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                                                             | LOD: 0.50 ng/g<br>LOQ: 0.62 ng/g           | -0.02 ng/g | 0.19 ng/g   | NR              | NR                | NR               |
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium      | Adventfjorden, Svalbard archipelago, NO<br>Scenario: Sediment from Adventfjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                                                              | LOD: 0.9 ng/g<br>LOQ: Not Reported         | NR         | NR          | <LOD            | NR                | NR               |
| Warner et al. 2010<br><b>HERO ID:</b> 2581892<br><i>OQD:</i> Medium      | Kongsfjorden, Svalbard archipelago, NO<br>Scenario: Sediment from Kongsfjorden<br>(n = 5; DF = 0; Sampling Period: Jul., 2009)                                                                | LOD: 0.9 ng/g<br>LOQ: Not Reported         | NR         | NR          | <LOD            | NR                | NR               |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br><i>OQD:</i> High      | Hammerfest, Northern Norway, NO<br>Scenario: Sediment from lake in Norway in March<br>(n = 8; DF = 1; Sampling Period: Mar., 2014)                                                            | LOD: 1.87 ng/sample<br>LOQ: 3.09 ng/sample | NR         | NR          | 4.4 ng/g (GM)   | NR                | 1.2 ng/g (ASD)   |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br><i>OQD:</i> High      | Hammerfest, Northern Norway, NO<br>Scenario: Sediment from lake in Norway in June<br>(n = 8; DF = 1; Sampling Period: Jun., 2014)                                                             | LOD: 1.02 ng/sample<br>LOQ: 1.69 ng/sample | NR         | NR          | 3.9 ng/g (GM)   | NR                | 0.2 ng/g (ASD)   |
| Zhang et al. 2018<br><b>HERO ID:</b> 6833820<br><i>OQD:</i> High         | south of the middle reaches of the Yangtze River, CN<br>Scenario: Sediment from Dongting Lake, , the second largest freshwater lake of China<br>(n = 15; DF = 1; Sampling Period: Oct., 2016) | LOD: 0.99 ng/g<br>LOQ: 1.43 ng/g           | 3.98 ng/L  | 360.29 ng/L | 54.40 ng/L (AM) | 50th: 26.70 ng/L; | 85.53 ng/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 1<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                              | LOD: .003 µg/g<br>LOQ: 0.011 µg/g          | NR         | NR          | 0.049 µg/g (AM) | NR                | 0.007 µg/g (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 2<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                              | LOD: .003 µg/g<br>LOQ: 0.011 µg/g          | NR         | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 3<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                              | LOD: .003 µg/g<br>LOQ: 0.011 µg/g          | NR         | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 4<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                              | LOD: .003 µg/g<br>LOQ: 0.011 µg/g          | NR         | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 5<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                              | LOD: .003 µg/g<br>LOQ: 0.011 µg/g          | NR         | NR          | 0.032 µg/g (AM) | NR                | 0.010 µg/g (ASD) |

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| Citation Information                                                     | Site and Data Description                                                                                                                                                               | Limit (LOD/LOQ)                         | Min          | Max          | Mean                  | Percentile       | Variance            |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------|--------------|-----------------------|------------------|---------------------|
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 7<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                        | LOD: .003<br>μg/g<br>LOQ: 0.011<br>μg/g | NR           | NR           | 0.029<br>μg/g<br>(AM) | NR               | 0.006 μg/g<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 8<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                        | LOD: .003<br>μg/g<br>LOQ: 0.011<br>μg/g | NR           | NR           | <LOD                  | NR               | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 9<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                        | LOD: .003<br>μg/g<br>LOQ: 0.011<br>μg/g | NR           | NR           | 0.045<br>μg/g<br>(AM) | NR               | 0.007 μg/g<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 10<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                       | LOD: .003<br>μg/g<br>LOQ: 0.011<br>μg/g | NR           | NR           | <LOD                  | NR               | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Sediment Samples from WWTP 11<br>(n = 1; DF = .69; Sampling Period: May, 2010 - Oct., 2010)                                       | LOD: .003<br>μg/g<br>LOQ: 0.011<br>μg/g | NR           | NR           | 0.037<br>μg/g<br>(AM) | NR               | 0.019 μg/g<br>(ASD) |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Sediments in Lake Dian - winter<br>(n = 10; DF = 1; Sampling Period: Jan., 2017)                                                                       | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g          | NR           | NR           | 16.4<br>ng/g<br>(AM)  | NR               | 6.1 ng/g (ASD)      |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Sediments in Lake Dian - summer<br>(n = 10; DF = 1; Sampling Period: Jul., 2017)                                                                       | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g          | NR           | NR           | 9.7 ng/g<br>(AM)      | NR               | 2.9 ng/g (ASD)      |
| Zhi et al. 2018<br><b>HERO ID:</b> 6833872<br><i>OQD:</i> Medium         | Daqing, Heilongjiang Province, CN<br>Scenario: Lake sediment samples of reference areas far away from Daqing oilfields<br>(n = 8; DF = 0.50; Sampling Period: Nov., 2015)               | LOD: Not Reported<br>LOQ: 1.8 ng/g      | <LOQ         | 12.3<br>ng/g | 3.48<br>ng/g<br>(AM)  | 50th: 1.78 ng/g; | 4.49 ng/g<br>(ASD)  |
| Zhang et al. 2011<br><b>HERO ID:</b> 6833929<br><i>OQD:</i> High         | Heilongjiang Province; Jilin Province., CN<br>Scenario: Sediments from Songhua River<br>(n = 25; DF = 1; Sampling Period: Jul., 2009)                                                   | LOD: Not Reported<br>LOQ: 0.5 ng/g      | 0.98<br>ng/g | 33.0<br>ng/g | 7.23<br>ng/g<br>(AM)  | 50th: 5.47 ng/g; | 6.93 ng/g<br>(ASD)  |
| Lee et al. 2019<br><b>HERO ID:</b> 6833983<br><i>OQD:</i> High           | Southeastern maritime industrial region, KR<br>Scenario: Sediment (0-5cm) of bays adjacent to heavily industrial zones<br>(n = 69; DF = 0.99; Sampling Period: Mar., 2016 - Apr., 2016) | LOD: 0.14 ng/g<br>LOQ: 0.45 ng/g        | ND           | 86 ng/g      | 5.80<br>ng/g<br>(AM)  | 50th: 3.34 ng/g; | 11.3 ng/g<br>(ASD)  |
| Hong et al. 2014<br><b>HERO ID:</b> 6835730<br><i>OQD:</i> Medium        | Northeast region, CN<br>Scenario: Sediment in seawater from coastal marine area<br>(n = 20; DF = 0.10; Sampling Period: Sept., 2010)                                                    | LOD: 0.99 ng/g<br>LOQ: 1.43 ng/g        | <LOD         | 1.81<br>ng/g | 0.671<br>ng/g<br>(AM) | NR               | 0.462 ng/g<br>(ASD) |

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| Citation Information                                                          | Site and Data Description                                                                                                                                                                                                 | Limit (LOD/LOQ)                         | Min                                                   | Max | Mean           | Percentile | Variance       |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------|-----|----------------|------------|----------------|
| Zhi et al. 2019<br><b>HERO ID:</b> 6836339<br><i>OQD:</i> High                | Dongying, CN<br>Scenario: Coastal sediment samples around the Bohai Sea (near populated and industrialized regions)<br>(n = 5; DF = NR; Sampling Period: Sept., 2015)                                                     | LOD: Not Reported<br>LOQ: 1.8 ng/g      | NR                                                    | NR  | 22.6 ng/g (AM) | NR         | NR             |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Sediment from Oslofjord<br>(n = 6; DF = NR; Sampling Period: Sept., 2006 - Oct., 2006) | LOD: 4-38 ng/g<br>LOQ: Not Reported     | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD; <LOD] |     |                |            |                |
| Evenset et al. 2009<br><b>HERO ID:</b> 6992056<br><i>OQD:</i> Medium          | Svalbard, NO<br>Scenario: Sediment from Arctic Ocean (Hopen area, Smeerenburgfjorden; Kongsfjorden and Liefdefjorden)<br>(n = 6; DF = 0; Sampling Period: Summer, 2004 - Summer, 2008)                                    | LOD: 4.8 ng/g<br>LOQ: Not Reported      | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD; <LOD] |     |                |            |                |
| Powell et al. 2010<br><b>HERO ID:</b> 6996285<br><i>OQD:</i> High             | Ontario, CA<br>Scenario: Surface sediments from Lake Opeongo (wet weight basis)<br>(n = 9; DF = 0; Sampling Period: Oct., 2007)                                                                                           | LOD: 7.66 ng<br>LOQ: 2.25 ng/g          | NR                                                    | NR  | <LOD           | NR         | <LOD           |
| Powell et al. 2010<br><b>HERO ID:</b> 6996285<br><i>OQD:</i> High             | Ontario, CA<br>Scenario: Surface sediments from Lake Opeongo (total organic carbon basis)<br>(n = 9; DF = 1; Sampling Period: Oct., 2007)                                                                                 | LOD: 7.66 ng<br>LOQ: 2.25 ng/g          | NR                                                    | NR  | 34.4 ng/g (AM) | NR         | 5.8 ng/g (SE)  |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High             | St. Paul, MN, US<br>Scenario: Surface sediment in Lake Pepin (whole lake)<br>(n = 25; DF = NR; Sampling Period: Sept., 2007 - May, 2008)                                                                                  | LOD: 2.1 ng<br>LOQ: 25.6 ng/g           | NR                                                    | NR  | <LOQ           | NR         | 0.0 ng/g (ASD) |
| Powell et al. 2009<br><b>HERO ID:</b> 6996286<br><i>OQD:</i> High             | St. Paul, MN, US<br>Scenario: Surface sediment in Lake Pepin (same location where benthic species were collected)<br>(n = 5; DF = NR; Sampling Period: Sept., 2007 - May, 2008)                                           | LOD: 2.1 ng<br>LOQ: 25.6 ng/g           | NR                                                    | NR  | <LOQ           | NR         | 0.1 ng/g (ASD) |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium              | Multiple Regions in Sweden, SE<br>Scenario: Sediment of Background Sources in industrial city<br>(n = 3; DF = 0; Sampling Period: Fall, 2004)                                                                             | LOD: 6.9-44 ng/g<br>LOQ: Not Reported   | NR                                                    | NR  | <LOD           | NR         | NR             |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium              | Multiple Regions in Sweden, SE<br>Scenario: Sediment of Point Sources in industrial city<br>(n = 23; DF = 0; Sampling Period: Fall, 2004)                                                                                 | LOD: 6.9-44 ng/g<br>LOQ: Not Reported   | NR                                                    | NR  | <LOD           | NR         | NR             |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium              | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Sediment near background sources in Denmark<br>(n = 3; DF = 0.33; Sampling Period: Aug., 2004 - Feb., 2005)                                                      | LOD: 3.9 ng/sample<br>LOQ: Not Reported | POINT VALUE(S): [84 ng/g; <LOD]                       |     |                |            |                |

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Table 8 – continued from previous page

| Citation Information                                               | Site and Data Description                                                                                                                                                                | Limit (LOD/LOQ)                         | Min                         | Max | Mean | Percentile | Variance |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----|------|------------|----------|
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Torshavn, Kaldbaksfjord, Faroe Islands, FO<br>Scenario: Sediment near background sources in Faroe Island (n = 1; DF = 0; Sampling Period: Aug., 2004 - Feb., 2005)                       | LOD: 3.9 ng/sample<br>LOQ: Not Reported | POINT VALUE(S): [ <LOD]     |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Sediment near background sources in Finland (n = 2; DF = 0; Sampling Period: Aug., 2004 - Feb., 2005)                                   | LOD: 3.9 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Sediment near background sources in Iceland (n = 4; DF = 0; Sampling Period: Aug., 2004 - Feb., 2005)                     | LOD: 3.9 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Oslo, Norway, NO<br>Scenario: Sediment near background sources in Norway (n = 7; DF = 0; Sampling Period: Aug., 2004 - Feb., 2005)                                                       | LOD: 3.9 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Sediment near background sources in Sweden (n = 7; DF = 0; Sampling Period: Aug., 2004 - Feb., 2005) | LOD: 3.9 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD | NR         | NR       |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Martorell, ES<br>Scenario: Sediment from Llobregat River in Martorell - SED-A (n = 1; DF = 0; Sampling Period: Jun., 2011)                                                               | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [ <LOQ]     |     |      |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | El Papiol, ES<br>Scenario: Sediment from Llobregat River in El Papiol - SED-B (n = 1; DF = 1; Sampling Period: Jun., 2011)                                                               | LOD: 0.3-0.9 ng/g<br>LOQ: Not Reported  | POINT VALUE(S): [3.86 ng/g] |     |      |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Pallejà, ES<br>Scenario: Sediment from Llobregat River in Pallejà - SED-C (n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                   | LOD: 0.3-0.9 ng/g<br>LOQ: Not Reported  | POINT VALUE(S): [6.83 ng/g] |     |      |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Rubí, ES<br>Scenario: Sediment from Rubí Brook in Rubí - SED-D (n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                              | LOD: 0.3-0.9 ng/g<br>LOQ: Not Reported  | POINT VALUE(S): [46.0 ng/g] |     |      |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Castellbisbal, ES<br>Scenario: Sediment from Rubí Brook in Castellbisbal - SED-E (n = 1; DF = 1; Sampling Period: Jun., 2011)                                                            | LOD: 0.3-0.9 ng/g<br>LOQ: Not Reported  | POINT VALUE(S): [7.08 ng/g] |     |      |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Castellbisbal, ES<br>Scenario: Sediment from Rubí Brook in Castellbisbal- SED-F (n = 1; DF = 1; Sampling Period: Jun., 2011)                                                             | LOD: 0.3-0.9 ng/g<br>LOQ: Not Reported  | POINT VALUE(S): [199 ng/g]  |     |      |            |          |

Continued on next page ...



Table 8 – continued from previous page

| Citation Information                                                                        | Site and Data Description                                                                                                                       | Limit (LOD/LOQ)                        | Min                                                          | Max | Mean | Percentile | Variance |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------|-----|------|------------|----------|
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Baltimore, Maryland, US<br>Scenario: Sediment from salt water in Curtis Bay<br>(n = 5; DF = 0; Sampling Period: Jun., 1985)                     | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD]              |     |      |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Delaware City, Delaware, US<br>Scenario: Sediment from salt water in Delaware River<br>(n = 5; DF = 0; Sampling Period: Jun., 1985)             | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD]              |     |      |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Alexandria, Virginia; Washington D.C, US<br>Scenario: Sediment from salt water in Potomac River<br>(n = 5; DF = 0; Sampling Period: Jun., 1985) | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD]              |     |      |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Chicago, Illinois, US<br>Scenario: Sediment from freshwater in Calumet Harbor<br>(n = 2; DF = 0; Sampling Period: Jun., 1985)                   | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; <LOD]                                |     |      |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Duluth, Minnesota; Wisconsin, US<br>Scenario: Sediment from freshwater in Duluth Harbor<br>(n = 2; DF = 0; Sampling Period: Jun., 1985)         | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; <LOD]                                |     |      |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High                            | Michigan, US<br>Scenario: Sediment from freshwater in Rouge River<br>(n = 2; DF = 0.5; Sampling Period: Jun., 1985)                             | LOD: 0.05 mg/kg<br>LOQ: Not Reported   | POINT VALUE(S): [ <LOD; 0.07 mg/kg]                          |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><i>OQD:</i> Uninformative | Oslofjord, Norway., NO<br>Scenario: Floor sediment from the Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)                    | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1.71 ng/g; 2.39 ng/g]                       |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><i>OQD:</i> Uninformative | Oslofjord, Norway., NO<br>Scenario: Subsurface sediment taken from the Outer Oslo Fjord<br>(n = 3; DF = 1; Sampling Period: Nov., 2008)         | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [ <LOQ; <LOQ; 2.02 ng/g]                     |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><i>OQD:</i> Uninformative | Oslofjord, Norway., NO<br>Scenario: Subsurface sediment taken from the Inner Oslo Fjord<br>(n = 4; DF = 1; Sampling Period: Nov., 2008)         | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [3.84 ng/g; 5.07 ng/g; 2.98 ng/g; 2.32 ng/g] |     |      |            |          |
| Evonik Goldschmidt GmbH et al. 2009<br><b>HERO ID:</b> 7307354<br><i>OQD:</i> Uninformative | Oslofjord, Norway., NO<br>Scenario: Floor sediment taken from the Inner Oslo Fjord<br>(n = 4; DF = 1; Sampling Period: Nov., 2008)              | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [4.55 ng/g; 3.24 ng/g; 0.86 ng/g]            |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium                    | Outer Oslofjord, NO<br>Scenario: Sediment in the Outer Oslofjord as wet weight<br>(n = 6; DF = 0; Sampling Period: Nov., 2008)                  | LOD: 0.41 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [ <LOD; <LOD; <LOD; <LOD; <LOD; <LOD]        |     |      |            |          |

Continued on next page ...

Octamethylcyclotetrasiloxane (D4)

## Monitoring

Sediment

Table 8 – continued from previous page

| Citation Information                                                     | Site and Data Description                                                                                                         | Limit<br>(LOD/LOQ)                     | Min                                                                                                         | Max | Mean | Percentile | Variance |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------|-----|------|------------|----------|
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Outer Oslofjord, NO<br>Scenario: Sediment in the Outer Oslofjord as dry weight<br>(n = 6; DF = 0; Sampling Period: Nov., 2008)    | LOD: 0.41 ng/g<br>LOQ: Not<br>Reported | POINT VALUE(S): [0.04 ng/g; 0.02 ng/g; 0.03 ng/g; 0.03<br>ng/g; 0.03 ng/g; 0.03 ng/g]                       |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Sediment in the Inner Oslofjord as wet weight<br>(n = 8; DF = 0.63; Sampling Period: Nov., 2008) | LOD: 0.41 ng/g<br>LOQ: Not<br>Reported | POINT VALUE(S): [ <LOD; 0.57 ng/g; 0.69 ng/g; 0.73<br>ng/g; 1.03 ng/g; 0.81 ng/g; <LOD; <LOD]               |     |      |            |          |
| Dow Corning et al. 2009<br><b>HERO ID:</b> 7307355<br><i>OQD:</i> Medium | Inner Oslofjord, NO<br>Scenario: Sediment in the Inner Oslofjord as dry weight<br>(n = 8; DF = 0.63; Sampling Period: Nov., 2008) | LOD: 0.41 ng/g<br>LOQ: Not<br>Reported | POINT VALUE(S): [1.56 ng/g; 1.61 ng/g; 1.88 ng/g; 1.66<br>ng/g; 2.67 ng/g; 2.15 ng/g; 1.11 ng/g; 0.95 ng/g] |     |      |            |          |

Table 9: Data Extraction Tables of Exposure Monitoring Studies for Soil

| Citation Information                                                     | Site and Data Description                                                                                                                                                                                                        | Limit (LOD/LOQ)                    | Min  | Max         | Mean            | Percentile        | Variance         |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------|-------------|-----------------|-------------------|------------------|
| Sanchis et al. 2015<br><b>HERO ID:</b> 2944392<br><i>OQD:</i> High       | South Shetland, Antarctica, AQ<br>Scenario: Soil from Antarctica<br>(n = 11; DF = 0.82; Sampling Period: Jan., 2009 - Feb., 2009)                                                                                                | LOD: Not Reported<br>LOQ: 1.7 ng/g | <LOQ | 23.9 ng/g   | 14.3 ng/g (GM)  | 50th: 13.9 ng/g;  | NR               |
| Zhang et al. 2018<br><b>HERO ID:</b> 6833820<br><i>OQD:</i> High         | south of the middle reaches of the Yangtze River, CN<br>Scenario: Surface soil collected several meters away from Dongting Lake, the second largest freshwater lake of China<br>(n = 15; DF = 0.93; Sampling Period: Oct., 2016) | LOD: 1.02 ng/g<br>LOQ: 1.76 ng/g   | <LOD | 110.08 ng/L | 22.15 ng/L (AM) | 50th: 18.82 ng/L; | 27.22 ng/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Soil samples from an experimental farm with biosolid-amended soil (Site J)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                   | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | NR              | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Middlesex, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site A)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                        | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | 0.011 µg/g (AM) | NR                | 0.001 µg/g (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Middlesex, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site B)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                        | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Milton, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site C)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                           | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Halton, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site D)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                           | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Haldimand, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site E)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                        | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Burlington, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site G)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                       | LOD: .008 µg/g<br>LOQ: 0.025 µg/g  | NR   | NR          | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Halton, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site I)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                                           | LOD: 0.008 µg/g<br>LOQ: 0.025 µg/g | NR   | NR          | <LOD            | NR                | NR               |

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| Citation Information                                                     | Site and Data Description                                                                                                                                                                      | Limit (LOD/LOQ)                           | Min  | Max          | Mean                   | Percentile  | Variance            |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|--------------|------------------------|-------------|---------------------|
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | London, Ontario, CA<br>Scenario: Soil samples from an experimental farm with biosolid-amended soil (Site K)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                      | LOD: 0.008<br>μg/g<br>LOQ: 0.025<br>μg/g  | NR   | NR           | <LOD                   | NR          | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Ottawa, Quebec, CA<br>Scenario: Soil samples from an experimental farm with control soil (Site K)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                                | LOD: 0.008<br>μg/g<br>LOQ: 0.025<br>μg/g  | NR   | NR           | <LOD                   | NR          | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Haldimand, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site F)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                      | LOD: 0.008<br>μg/g<br>LOQ: 0.025<br>μg/g  | NR   | NR           | 0.017<br>μg/g<br>(AM)  | NR          | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Brant, Ontario, CA<br>Scenario: Soil samples from a commercial farm with biosolid-amended soil (Site H)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                          | LOD: 0.008<br>μg/g<br>LOQ: 0.025<br>μg/g  | NR   | NR           | 0.009<br>μg/g<br>(AM)  | NR          | 0.004 μg/g<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | London, Ontario, CA<br>Scenario: Soil samples from an experimental farm with control soil (Site J)<br>(n = 30; DF = NR; Sampling Period: May, 2010 - Oct., 2010)                               | LOD: 0.008<br>μg/g<br>LOQ: 0.025<br>μg/g  | NR   | NR           | 0.011<br>μg/g<br>(AM)  | NR          | NR                  |
| Shi et al. 2015<br><b>HERO ID:</b> 6836343<br><i>OQD:</i> High           | Guangrao district, China, CN<br>Scenario: Soil from reference area in Guangrao district in China<br>(n = 48; DF = 0.29; Sampling Period: 2008 - 2013)                                          | LOD: Not Reported<br>LOQ: 0.5-1.5<br>ng/g | NR   | NR           | 3.91<br>ng/g<br>(AM)   | 50th: <LOQ; | NR                  |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High           | Yunnan Province, CN<br>Scenario: Residential soil in China<br>(n = 20; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                                                                      | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g            | NR   | NR           | 0.0056<br>μg/g<br>(AM) | NR          | NR                  |
| Guo et al. 2019<br><b>HERO ID:</b> 6836347<br><i>OQD:</i> High           | Yunnan Province, CN<br>Scenario: Office soil in China<br>(n = 10; DF = NR; Sampling Period: Jan., 2017 - Mar., 2017)                                                                           | LOD: 0.2 ng/g<br>LOQ: 0.6 ng/g            | NR   | NR           | 0.0052<br>μg/g<br>(AM) | NR          | NR                  |
| Xu et al. 2020<br><b>HERO ID:</b> 6836349<br><i>OQD:</i> High            | Luqiao of Taizhou City, Zhejiang Province, CN<br>Scenario: Soil from 10 sites in reference area in China<br>(n = 10; DF = 0.50; Sampling Period: Jun., 2018 - Mar., 2019)                      | LOD: 0.55 ng/g<br>LOQ: 1.8 ng/g           | <LOD | 13.5<br>ng/g | 4.9 ng/g<br>(AM)       | NR          | NR                  |
| Xu et al. 2020<br><b>HERO ID:</b> 6836349<br><i>OQD:</i> High            | Luqiao of Taizhou City, Zhejiang Province, CN<br>Scenario: Surrounding soils from 48 sites in e-waste recycling area in China<br>(n = 48; DF = 0.69; Sampling Period: Jun., 2018 - Mar., 2019) | LOD: 0.55 ng/g<br>LOQ: 1.8 ng/g           | <LOD | 155 ng/g     | 29.4<br>ng/g<br>(AM)   | NR          | NR                  |

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| Citation Information                                                | Site and Data Description                                                                                                                                                                        | Limit (LOD/LOQ)                        | Min                     | Max       | Mean | Percentile | Variance |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-----------|------|------------|----------|
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High | Oslo (Dronningparken/Slottsparken, Frogner-seteren/Holmenkollen, Grønmo, Alnabru, VEAS), NO<br>Scenario: Soil samples of terrestrial urban environments (n = 5; DF = 0.2; Sampling Period: 2018) | LOD: 0.8 ng/g<br>LOQ: Not Reported     | <LOD                    | 3.07 ng/g | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium    | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Soil near background sources in Faroe Islands (n = 1; DF = 0; Sampling Period: Dec., 2004)                                               | LOD: 6-10 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [ <LOD] |           |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium    | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Soil near point sources in Faroe Islands (n = 1; DF = 0; Sampling Period: Dec., 2004)                                                    | LOD: 6-10 ng/g<br>LOQ: Not Reported    | POINT VALUE(S): [ <LOD] |           |      |            |          |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Soil samples of terrestrial urban environments (n = 5; DF = NR; Sampling Period: 2017)                                                                                     | LOD: Not Reported<br>LOQ: Not Reported | NR                      | 1.6 ng/g  | NR   | NR         | NR       |

Table 10: Data Extraction Tables of Exposure Monitoring Studies for Surface Water

| Citation Information                                              | Site and Data Description                                                                                                                                                                        | Limit (LOD/LOQ)                    | Min       | Max        | Mean            | Percentile        | Variance         |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------|------------|-----------------|-------------------|------------------|
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br>OQD: High      | Hammerfest, Northern Norway, NO<br>Scenario: Surface water from lake in Norway in March<br>(n = 4; DF = 0; Sampling Period: Mar., 2014)                                                          | LOD: 15.0 ng/L<br>LOQ: 40.0 ng/L   | NR        | NR         | <LOQ            | NR                | NR               |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br>OQD: High      | Hammerfest, Northern Norway, NO<br>Scenario: Surface water from river in Norway in March<br>(n = 3; DF = 0; Sampling Period: Mar., 2014)                                                         | LOD: 15.0 ng/L<br>LOQ: 40.0 ng/L   | NR        | NR         | <LOQ            | NR                | NR               |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br>OQD: High      | Hammerfest, Northern Norway, NO<br>Scenario: Surface water from lake in Norway in June<br>(n = 4; DF = 0; Sampling Period: Jun., 2014)                                                           | LOD: 8.3 ng/L<br>LOQ: 19.2 ng/L    | NR        | NR         | <LOQ            | NR                | NR               |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br>OQD: High      | Hammerfest, Northern Norway, NO<br>Scenario: Surface water from river in Norway in June<br>(n = 3; DF = 0; Sampling Period: Jun., 2014)                                                          | LOD: 8.3 ng/L<br>LOQ: 19.2 ng/L    | NR        | NR         | <LOQ            | NR                | NR               |
| Horii et al. 2017<br><b>HERO ID:</b> 4904828<br>OQD: High         | Tokyo Bay, Japan, JP<br>Scenario: Surface water from Tokyo Bay watershed in Japan<br>(n = 48; DF = 0.94; Sampling Period: Oct., 2012 - Apr., 2013)                                               | LOD: 0.9 ng/L<br>LOQ: 3.1 ng/L     | <LOD      | 140 ng/L   | 13 ng/L (AM)    | NR                | NR               |
| Zhang et al. 2018<br><b>HERO ID:</b> 6833820<br>OQD: High         | south of the middle reaches of the Yangtze River, CN<br>Scenario: Surface water from Dongting Lake, the second largest freshwater lake of China<br>(n = 13; DF = 1; Sampling Period: Oct., 2016) | LOD: 4.43 ng/L<br>LOQ: 7.26 ng/L   | 6.07 ng/L | 85.59 ng/L | 48.16 ng/L (AM) | 50th: 48.83 ng/L; | 20.10 ng/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 1<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 2<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | 0.023 µg/L (AM) | NR                | 0.003 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 3<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | 0.011 µg/L (AM) | NR                | 0.001 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 4<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | <LOD            | NR                | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 5<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | 0.014 µg/L (AM) | NR                | 0.001 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br>OQD: Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 6<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                                    | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR        | NR         | 0.016 µg/L (AM) | NR                | 0.001 µg/L (ASD) |

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Table 10 – continued from previous page

| Citation Information                                                     | Site and Data Description                                                                                                                                              | Limit (LOD/LOQ)                    | Min  | Max       | Mean            | Percentile       | Variance         |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------|-----------|-----------------|------------------|------------------|
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 7<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                          | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR   | NR        | 0.010 µg/L (AM) | NR               | 0.001 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 8<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                          | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR   | NR        | 0.011 µg/L (AM) | NR               | 0.001 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 9<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                          | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR   | NR        | 0.020 µg/L (AM) | NR               | 0.001 µg/L (ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 10<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                         | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR   | NR        | <LOD            | NR               | NR               |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Receiving water from WWTP 11<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                         | LOD: 0.009 µg/L<br>LOQ: 0.031 µg/L | NR   | NR        | <LOD            | NR               | NR               |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Surface water from Lake Dian - winter<br>(n = 10; DF = 1; Sampling Period: Jan., 2017)                                                | LOD: 3.9 ng/L<br>LOQ: 9.1 ng/L     | NR   | NR        | 11.8 ng/L (AM)  | NR               | <LOQ             |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Surface water from Lake Dian - summer<br>(n = 10; DF = 1; Sampling Period: Jul., 2017)                                                | LOD: 3.9 ng/L<br>LOQ: 9.1 ng/L     | NR   | NR        | 9.8 ng/L (AM)   | NR               | <LOQ             |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Surface water from inflow rivers into Lake Dian - winter<br>(n = 7; DF = 1; Sampling Period: Jan., 2017)                              | LOD: 3.9 ng/L<br>LOQ: 9.1 ng/L     | NR   | NR        | 18.3 ng/L (AM)  | NR               | <LOD             |
| Guo et al. 2019<br><b>HERO ID:</b> 6833862<br><i>OQD:</i> Medium         | Southwest China, CN<br>Scenario: Surface water from inflow rivers into Lake Dian - summer<br>(n = 7; DF = 1; Sampling Period: Jul., 2017)                              | LOD: 3.9 ng/L<br>LOQ: 9.1 ng/L     | NR   | NR        | 17.1 ng/L (AM)  | NR               | <LOD             |
| Zhi et al. 2018<br><b>HERO ID:</b> 6833872<br><i>OQD:</i> Medium         | Daqing, Heilongjiang Province, CN<br>Scenario: Lake surface water of reference areas far away from Daqing oilfields<br>(n = 8; DF = 0.50; Sampling Period: Nov., 2015) | LOD: Not Reported<br>LOQ: 1.0 ng/L | <LOQ | 39.7 ng/L | 10.4 ng/L (AM)  | 50th: 5.10 ng/L; | 14.1 ng/L (ASD)  |
| Hong et al. 2014<br><b>HERO ID:</b> 6835730<br><i>OQD:</i> Medium        | Northeast region, CN<br>Scenario: Surface seawater from coastal marine area<br>(n = 29; DF = 0.30; Sampling Period: Jul., 2011)                                        | LOD: 4.43 ng/L<br>LOQ: 7.26 ng/L   | <LOD | 55.8 ng/L | 6.93 ng/L (AM)  | NR               | 9.48 ng/L (ASD)  |

Continued on next page ...



Table 10 – continued from previous page

| Citation Information                                                          | Site and Data Description                                                                                                                                                                                                  | Limit (LOD/LOQ)                         | Min                         | Max | Mean            | Percentile | Variance |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----|-----------------|------------|----------|
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Sea water from Oslofjord<br>(n = 4; DF = NR; Sampling Period: Sept., 2006 - Nov., 2006) | LOD: 0.03 µg/L<br>LOQ: Not Reported     | NR                          | NR  | <0.03 µg/L (AM) | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium              | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Surface Water near background sources in Denmark<br>(n = 3; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                                                     | LOD: 4.7 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD            | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium              | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Surface Water near background sources in Iceland<br>(n = 4; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                                               | LOD: 4.7 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD            | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium              | Oslo, Norway, NO<br>Scenario: Surface Water near background sources in Norway<br>(n = 4; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                                                                                 | LOD: 4.7 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD            | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium              | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Surface Water near background sources in Sweden<br>(n = 3; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                           | LOD: 4.7 ng/sample<br>LOQ: Not Reported | NR                          | NR  | <LOD            | NR         | NR       |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High            | Martorell, ES<br>Scenario: Surface water from Llobregat River in Martorell - SW-A<br>(n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                                          | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [73.2 ng/L] |     |                 |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High            | El Papiol, ES<br>Scenario: Surface water from Llobregat River in El Papiol - SW-B<br>(n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                                          | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [61.2 ng/L] |     |                 |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High            | Pallejà, ES<br>Scenario: Surface water from Llobregat River in Pallejà - SW-C<br>(n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                                              | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [97.3 ng/L] |     |                 |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High            | Rubí, ES<br>Scenario: Surface water from Rubí Brook in Rubí - SW-D<br>(n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                                                         | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [419 ng/L]  |     |                 |            |          |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High            | Castellbisbal, ES<br>Scenario: Surface water from Rubí Brook in Castellbisbal - SW-E<br>(n = 1; DF = 1; Sampling Period: Jun., 2011)                                                                                       | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L    | POINT VALUE(S): [987 ng/L]  |     |                 |            |          |

Continued on next page ...

Octamethylcyclotetrasiloxane (D4)

Monitoring

Surface Water

Table 10 – continued from previous page

| Citation Information                                               | Site and Data Description                                                                                                          | Limit<br>(LOD/LOQ)                         | Min                        | Max | Mean | Percentile | Variance |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------|-----|------|------------|----------|
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Castellbisbal, ES<br>Scenario: Surface water from Rubí Brook in Castellbisbal-SW-F<br>(n = 1; DF = 1; Sampling Period: Jun., 2011) | LOD: 3.2-13<br>ng/L<br>LOQ: 0.5-26<br>ng/L | POINT VALUE(S): [246 ng/L] |     |      |            |          |

Table 11: Data Extraction Tables of Exposure Monitoring Studies for Terrestrial Species

| Citation Information                                                                      | Site and Data Description                                                                                                                                                                                                                       | Limit (LOD/LOQ)                        | Min                                                                                                            | Max       | Mean           | Percentile | Variance |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|----------------|------------|----------|
| Evensen et al. 2009<br><b>HERO ID:</b> 6992056<br><i>OQD:</i> Medium                      | Svalbard, NO<br>Scenario: Seabird liver from Arctic Ocean (Kittiwakes and common eiders)<br>(n = 14; DF = 0.29; Sampling Period: Summer, 2008)                                                                                                  | LOD: 3.8 ng/g<br>LOQ: Not Reported     | POINT VALUE(S): [3.2 ng/g; 2.6 ng/g; 2.7 ng/g; <LOD; 3.5 ng/g; <LOD; <LOD; <LOD; <LOD; <LOD; <LOD; <LOD; <LOD] |           |                |            |          |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo (Dronningparken/Slottsparken, Frogner-seteren/Holmenkollen, Grønmo, Alnabru, VEAS), NO<br>Scenario: Earthworms from terrestrial urban environments<br>(n = 3; DF = 0; Sampling Period: 2018)                                               | LOD: 4.6 ng/g<br>LOQ: Not Reported     | NR                                                                                                             | NR        | <LOD           | NR         | NR       |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo (Grønmo, Ekebergparken, Bøler, Alna I, Alna II, Alna III, Kjelsås, Holmenkollen, Arnestad (near VEAS), Slottsparken), NO<br>Scenario: Fieldfare egg samples from terrestrial urban environments<br>(n = 20; DF = 0; Sampling Period: 2018) | LOD: 4.6 ng/g<br>LOQ: Not Reported     | NR                                                                                                             | NR        | <LOD           | NR         | NR       |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo, NO<br>Scenario: Sparrowhawk egg samples from terrestrial urban environments<br>(n = 3; DF = 0; Sampling Period: 2017 - 2018)                                                                                                              | LOD: 4.7 ng/g<br>LOQ: Not Reported     | NR                                                                                                             | NR        | <LOD           | NR         | NR       |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo (Kryssbydalen, Maridalen, Sørkedalen), NO<br>Scenario: Badger liver samples from terrestrial urban environments<br>(n = 8; DF = 0; Sampling Period: 2017 - 2018)                                                                           | LOD: 1.3 ng/g<br>LOQ: Not Reported     | NR                                                                                                             | NR        | <LOD           | NR         | NR       |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo (Sørkedalen, Hellerudmyra), NO<br>Scenario: Red fox liver samples from terrestrial urban environments<br>(n = 10; DF = 0.2; Sampling Period: 2017 - 2018)                                                                                  | LOD: 1.8 ng/g<br>LOQ: Not Reported     | <LOD                                                                                                           | 13.3 ng/g | 2.45 ng/g (AM) | NR         | NR       |
| Heimstad et al. 2019<br><b>HERO ID:</b> 7002451<br><i>OQD:</i> High                       | Oslo, NO<br>Scenario: Brown rat liver samples from terrestrial urban environments<br>(n = 3; DF = 0.2; Sampling Period: 2017 - 2018)                                                                                                            | LOD: 3.1 ng/g<br>LOQ: Not Reported     | <LOD                                                                                                           | 6.80 ng/g | 1.48 ng/g (AM) | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002475<br><i>OQD:</i> Medium | Oslo, NO<br>Scenario: Herring gull (blood) from the Inner Oslofjord<br>(n = 3; DF = 0; Sampling Period: 2018)                                                                                                                                   | LOD: Not Reported<br>LOQ: Not Reported | <LOD                                                                                                           | <LOD      | ND             | NR         | NR       |
| Norwegian Environment Agency et al. 2019<br><b>HERO ID:</b> 7002475<br><i>OQD:</i> Medium | Oslo, NO<br>Scenario: Herring gull (egg) from the Inner Oslofjord<br>(n = 3; DF = 0.8; Sampling Period: 2018)                                                                                                                                   | LOD: Not Reported<br>LOQ: Not Reported | <1.0 ng/g                                                                                                      | 6.45 ng/g | 1.36 ng/g (AM) | NR         | NR       |

Continued on next page ...

Table 11 – continued from previous page

| Citation Information                                                | Site and Data Description                                                                                                                          | Limit (LOD/LOQ)                        | Min       | Max       | Mean           | Percentile       | Variance |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------|-----------|----------------|------------------|----------|
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Fieldfare egg from terrestrial urban environments<br>(n = 10; DF = 0; Sampling Period: 2017)                                 | LOD: Not Reported<br>LOQ: Not Reported | NR        | NR        | NR             | NR               | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Sparrowhawk egg from terrestrial urban environments<br>(n = 10; DF = 0; Sampling Period: May, 2017)                          | LOD: Not Reported<br>LOQ: Not Reported | NR        | NR        | NR             | NR               | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Tawny owl eggs from terrestrial urban environments<br>(n = 7; DF = 0; Sampling Period: Apr., 2017 - May, 2017)               | LOD: Not Reported<br>LOQ: Not Reported | NR        | NR        | NR             | NR               | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Badger liver from terrestrial urban environments<br>(n = 3; DF = 0; Sampling Period: Apr., 2017 - May, 2017)                 | LOD: Not Reported<br>LOQ: Not Reported | NR        | NR        | NR             | NR               | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Earthworms from terrestrial urban environments<br>(n = 5; DF = 0.2; Sampling Period: 2017)                                   | LOD: Not Reported<br>LOQ: Not Reported | NR        | 3.1 ng/g  | NR             | NR               | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Brown rat liver from terrestrial urban environments<br>(n = 9; DF = 1; Sampling Period: Apr., 2017 - May, 2017)              | LOD: Not Reported<br>LOQ: Not Reported | 4.08 ng/g | 50.3 ng/g | 14.8 ng/g (AM) | 50th: 8.27 ng/g; | NR       |
| Heimstad et al. 2018<br><b>HERO ID:</b> 7296058<br><i>OQD:</i> High | Oslo, NO<br>Scenario: Red fox liver from terrestrial urban environments<br>(n = 10; DF = >0.5; Sampling Period: Apr., 2017 - May, 2017)            | LOD: Not Reported<br>LOQ: Not Reported | <LOD      | 1.77 ng/g | 0.50 ng/g (AM) | 50th: 0.26 ng/g; | NR       |
| Huber et al. 2015<br><b>HERO ID:</b> 2823276<br><i>OQD:</i> High    | Sklinna and Rost, NO<br>Scenario: Pooled eggs from herring gull from 2 remote islands<br>(n = 6; DF = 0; Sampling Period: May, 2012 - Jun., 2012)  | LOD: 2.1 ng/g<br>LOQ: Not Reported     | NR        | NR        | <LOD           | NR               | NR       |
| Huber et al. 2015<br><b>HERO ID:</b> 2823276<br><i>OQD:</i> High    | Sklinna and Rost, NO<br>Scenario: Pooled eggs from common eider from 2 remote islands<br>(n = 6; DF = 0; Sampling Period: May, 2012 - Jun., 2012)  | LOD: 2.1 ng/g<br>LOQ: Not Reported     | NR        | NR        | <LOD           | NR               | NR       |
| Huber et al. 2015<br><b>HERO ID:</b> 2823276<br><i>OQD:</i> High    | Sklinna and Rost, NO<br>Scenario: Pooled eggs from European shag from 2 remote islands<br>(n = 6; DF = 0; Sampling Period: May, 2012 - Jun., 2012) | LOD: 2.1 ng/g<br>LOQ: Not Reported     | NR        | NR        | <LOD           | NR               | NR       |

Table 12: Data Extraction Tables of Exposure Monitoring Studies for Wastewater

| Citation Information                                                    | Site and Data Description                                                                                                                          | Limit (LOD/LOQ)                                  | Min                                      | Max        | Mean                        | Percentile        | Variance                     |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|------------|-----------------------------|-------------------|------------------------------|
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High         | Ontario, CA<br>Scenario: WWTP off-gas (primary clarifier)<br>(n = 2; DF = 1; Sampling Period: Jul., 2009 - Sept., 2009)                            | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported | NR                                       | NR         | 1040 ng/m <sup>3</sup> (AM) | NR                | NR                           |
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High         | Ontario, CA<br>Scenario: WWTP off-gas (aeration tank WWTP #2)<br>(n = 2; DF = 1; Sampling Period: Nov., 2009)                                      | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported | NR                                       | NR         | 241 ng/m <sup>3</sup> (AM)  | NR                | 12.8 ng/m <sup>3</sup> (ASD) |
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High         | Ontario, CA<br>Scenario: WWTP off-gas (aeration tank WWTP #1)<br>(n = 2; DF = 1; Sampling Period: Jul., 2009 - Sept., 2009)                        | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported | NR                                       | NR         | 2060 ng/m <sup>3</sup> (AM) | NR                | NR                           |
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High         | Ontario, CA<br>Scenario: WWTP off-gas (between aeration tanks)<br>(n = 2; DF = 1; Sampling Period: Jul., 2009 - Sept., 2009)                       | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported | NR                                       | NR         | 949 ng/m <sup>3</sup> (AM)  | NR                | NR                           |
| Cheng et al. 2011<br><b>HERO ID:</b> 784251<br><i>OQD:</i> High         | Ontario, CA<br>Scenario: WWTP off-gas (secondary clarifier)<br>(n = 2; DF = 1; Sampling Period: Jul., 2009 - Sept., 2009)                          | LOD: 7.35 ng/m <sup>3</sup><br>LOQ: Not Reported | NR                                       | NR         | 405 ng/m <sup>3</sup> (AM)  | NR                | NR                           |
| Bletsou et al. 2013<br><b>HERO ID:</b> 2555998<br><i>OQD:</i> Medium    | Athens, GR<br>Scenario: Total influent wastewater samples from Athens WWTP<br>(n = 7; DF = 1; Sampling Period: Apr., 2012)                         | LOD: 0.000030 µg/L<br>LOQ: 0.00011 µg/L          | 0.099 µg/L                               | 0.187 µg/L | 0.149 µg/L (AM)             | 50th: 0.155 µg/L; | NR                           |
| Bletsou et al. 2013<br><b>HERO ID:</b> 2555998<br><i>OQD:</i> Medium    | Athens, GR<br>Scenario: Total effluent wastewater samples from Athens WWTP<br>(n = 7; DF = 1; Sampling Period: Apr., 2012)                         | LOD: 0.000030 µg/L<br>LOQ: 0.00011 µg/L          | 0.103 µg/L                               | 0.197 µg/L | 0.129 µg/L (AM)             | 50th: 0.113 µg/L; | NR                           |
| Bletsou et al. 2013<br><b>HERO ID:</b> 2555998<br><i>OQD:</i> Medium    | Athens, GR<br>Scenario: Total sludge wastewater samples from Athens WWTP<br>(n = 7; DF = 1; Sampling Period: Apr., 2012)                           | LOD: 0.002 µg/kg<br>LOQ: 0.006 µg/kg             | 0.09 mg/kg                               | 0.13 mg/kg | 0.11 mg/kg (AM)             | 50th: 0.13 mg/kg; | NR                           |
| van Egmond et al. 2013<br><b>HERO ID:</b> 2557762<br><i>OQD:</i> Medium | Wellingborough, Northamptonshire, GB<br>Scenario: Effluent wastewater from municipal STP<br>(n = 8; DF = NR; Sampling Period: Mar., 2010)          | LOD: Not Reported<br>LOQ: 0.01 µg/L              | NR                                       | NR         | <LOQ                        | NR                | NR                           |
| van Egmond et al. 2013<br><b>HERO ID:</b> 2557762<br><i>OQD:</i> Medium | Wellingborough, Northamptonshire, GB<br>Scenario: Influent wastewater from municipal STP<br>(n = 8; DF = 0.25; Sampling Period: Mar., 2010)        | LOD: Not Reported<br>LOQ: 0.2 µg/L               | NR                                       | NR         | 0.301 µg/L (AM)             | NR                | 0.035 µg/L (ASD)             |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium     | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013) | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [339 ng/m <sup>3</sup> ] |            |                             |                   |                              |

Continued on next page ...

Table 12 – continued from previous page

| Citation Information                                                | Site and Data Description                                                                                                                                | Limit (LOD/LOQ)                                  | Min | Max | Mean | Percentile                                | Variance |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|-----|------|-------------------------------------------|----------|
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [326 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 3, summer<br>(n = 1; DF = 1; Sampling Period: Aug., 2013 - Nov., 2013)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [343 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [183 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [161 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 3, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [208 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at rural area wastewater treatment plant 1, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013) | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [49.2 ng/m <sup>3</sup> ] |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at rural area wastewater treatment plant 2, summer<br>(n = 1; DF = 1; Sampling Period: Sept., 2013 - Nov., 2013) | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [39.6 ng/m <sup>3</sup> ] |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [326 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [326 ng/m <sup>3</sup> ]  |          |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium | Ontario, CA<br>Scenario: Off-gas onsite at urban wastewater treatment plant 3, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)       | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported |     |     |      | POINT VALUE(S): [348 ng/m <sup>3</sup> ]  |          |

Continued on next page ...

Table 12 – continued from previous page

| Citation Information                                                  | Site and Data Description                                                                                                                                             | Limit (LOD/LOQ)                                  | Min                                      | Max      | Mean           | Percentile     | Variance       |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|----------|----------------|----------------|----------------|
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium   | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)                     | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [278 ng/m <sup>3</sup> ] |          |                |                |                |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium   | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)                     | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [140 ng/m <sup>3</sup> ] |          |                |                |                |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium   | Ontario, CA<br>Scenario: Off-gas onsite at town wastewater treatment plant 3, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Mar., 2014)                     | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [322 ng/m <sup>3</sup> ] |          |                |                |                |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium   | Ontario, CA<br>Scenario: Off-gas onsite at rural area wastewater treatment plant 1, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Apr., 2014)               | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [339 ng/m <sup>3</sup> ] |          |                |                |                |
| Shoeib et al. 2016<br><b>HERO ID:</b> 3463879<br><i>OQD:</i> Medium   | Ontario, CA<br>Scenario: Off-gas onsite at rural area wastewater treatment plant 2, winter<br>(n = 1; DF = 1; Sampling Period: Jan., 2014 - Apr., 2014)               | LOD: 0.72 ng/m <sup>3</sup><br>LOQ: Not Reported | POINT VALUE(S): [277 ng/m <sup>3</sup> ] |          |                |                |                |
| Krogseth et al. 2017<br><b>HERO ID:</b> 3604641<br><i>OQD:</i> High   | Hammerfest, Northern Norway, NO<br>Scenario: Sewage samples from Norway<br>(n = 8; DF = 0.38; Sampling Period: Jun., 2014)                                            | LOD: 8.3 ng/L<br>LOQ: 19.2 ng/L                  | NR                                       | NR       | <LOD           | NR             | 1.6 ng/L (ASD) |
| Olofsson et al. 2013<br><b>HERO ID:</b> 4182871<br><i>OQD:</i> Medium | Stockholm, SE<br>Scenario: STP A sludge, mix of industrial sewage<br>(n = 3; DF = 1; Sampling Period: Fall, 2004)                                                     | LOD: Not Reported<br>LOQ: Not Reported           | NR                                       | NR       | 280 µg/kg (AM) | NR             | NR             |
| Olofsson et al. 2013<br><b>HERO ID:</b> 4182871<br><i>OQD:</i> Medium | Gothenburg, SE<br>Scenario: STP B sludge, mix of industrial sewage<br>(n = 3; DF = 1; Sampling Period: Fall, 2004)                                                    | LOD: Not Reported<br>LOQ: Not Reported           | NR                                       | NR       | 430 µg/kg (AM) | NR             | NR             |
| Olofsson et al. 2013<br><b>HERO ID:</b> 4182871<br><i>OQD:</i> Medium | Borås, SE<br>Scenario: STP E sludge, hospital/textile/chemical industry sewage<br>(n = 3; DF = 1; Sampling Period: Fall, 2004)                                        | LOD: Not Reported<br>LOQ: Not Reported           | NR                                       | NR       | 310 µg/kg (AM) | NR             | NR             |
| Horii et al. 2017<br><b>HERO ID:</b> 4904828<br><i>OQD:</i> High      | Tokyo Bay, Japan, JP<br>Scenario: Effluent from sewage treatment plants in Tokyo Bay watershed in Japan<br>(n = 25; DF = 1; Sampling Period: Oct., 2012 - Apr., 2013) | LOD: 0.9 ng/L<br>LOQ: 3.1 ng/L                   | 4.3 ng/L                                 | 200 ng/L | 27 ng/L (AM)   | NR             | NR             |
| Bruemmer et al. 2015<br><b>HERO ID:</b> 5376274<br><i>OQD:</i> Medium | Havant, GB<br>Scenario: Wastewater effluent from Budds Farm WWTP<br>(n = 16; DF = 1.00; Sampling Period: Mar., 2012)                                                  | LOD: Not Reported<br>LOQ: 2.5 ng/mL              | 15 ng/L                                  | 152 ng/L | 50 ng/L (AM)   | 50th: 40 ng/L; | 70 ng/L (CV)   |

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| Citation Information                                                     | Site and Data Description                                                                                                                    | Limit<br>(LOD/LOQ)                                             | Min | Max | Mean                             | Percentile | Variance                       |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|-----|----------------------------------|------------|--------------------------------|
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Waldwick, NJ, US<br>Scenario: Influent water from Northwest Bergen County WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)  | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 5.69<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Waldwick, NJ, US<br>Scenario: Effluent water from Northwest Bergen County WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)  | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.06<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Liberty, NY, US<br>Scenario: Influent water from Liberty WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)                   | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.64<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Liberty, NY, US<br>Scenario: Effluent water from Liberty WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)                   | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.23<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Middletown, NJ, US<br>Scenario: Influent water Middletown WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)                  | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 7.09<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Middletown, NJ, US<br>Scenario: Effluent water from Middletown WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)             | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.41<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Wayne, NJ, US<br>Scenario: Influent water from Wayne Township WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)              | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 3.90<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Wayne, NJ, US<br>Scenario: Effluent water from Wayne Township WWTP<br>(n = 3; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)              | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.06<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Ridgewood, NJ, US<br>Scenario: Influent water from Ridgewood WWTP<br>(n = 2; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)               | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 2.07<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Hydroqual et al. 1993<br><b>HERO ID:</b> 5889473<br><i>OQD:</i> Medium   | Ridgewood, NJ, US<br>Scenario: Effluent water from Ridgewood WWTP<br>(n = 4; DF = 1; Sampling Period: Mar., 1993 - Apr., 1993)               | LOD: 0.04<br>$\mu\text{g/L}$<br>LOQ: 0.2 $\mu\text{g/L}$       | NR  | NR  | 0.19<br>$\mu\text{g/L}$<br>(AM)  | NR         | NR                             |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 1<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>$\mu\text{g/L}$<br>LOQ: 0.031<br>$\mu\text{g/L}$ | NR  | NR  | 0.768<br>$\mu\text{g/L}$<br>(AM) | NR         | 0.046 $\mu\text{g/L}$<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 1<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>$\mu\text{g/L}$<br>LOQ: 0.031<br>$\mu\text{g/L}$ | NR  | NR  | 0.020<br>$\mu\text{g/L}$<br>(AM) | NR         | 0.006 $\mu\text{g/L}$<br>(ASD) |

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| Citation Information                                                     | Site and Data Description                                                                                                                    | Limit (LOD/LOQ)                          | Min | Max | Mean                  | Percentile | Variance            |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|-----|-----------------------|------------|---------------------|
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 2<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 6.69<br>μg/L<br>(AM)  | NR         | 7.33 μg/L<br>(ASD)  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 2<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.022<br>μg/L<br>(AM) | NR         | 0.004 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 3<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 1.27<br>μg/L<br>(AM)  | NR         | 0.084 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 3<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.044<br>μg/L<br>(AM) | NR         | 0.001 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 4<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.282<br>μg/L<br>(AM) | NR         | 0.017 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 4<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | <LOD                  | NR         | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 5<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.732<br>μg/L<br>(AM) | NR         | 0.012 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 5<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | <LOD                  | NR         | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 6<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 1.04<br>μg/L<br>(AM)  | NR         | 0.49 μg/L<br>(ASD)  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 6<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.016<br>μg/L<br>(AM) | NR         | 0.002 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 7<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.547<br>μg/L<br>(AM) | NR         | 0.025 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 7<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010) | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.022<br>μg/L<br>(AM) | NR         | 0.001 μg/L<br>(ASD) |

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Table 12 – continued from previous page

| Citation Information                                                     | Site and Data Description                                                                                                                                                       | Limit (LOD/LOQ)                          | Min | Max | Mean                  | Percentile | Variance            |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|-----|-----------------------|------------|---------------------|
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 8<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                    | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 5.86<br>μg/L<br>(AM)  | NR         | 0.06 μg/L<br>(ASD)  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 8<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                    | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.031<br>μg/L<br>(AM) | NR         | 0.001 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 9<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                    | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 1.92<br>μg/L<br>(AM)  | NR         | 0.033 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 9<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                    | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.045<br>μg/L<br>(AM) | NR         | 0.001 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 10<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                   | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.844<br>μg/L<br>(AM) | NR         | 0.285 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 10<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                   | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.023<br>μg/L<br>(AM) | NR         | 0.012 μg/L<br>(ASD) |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Influent water from WWTP 11<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                   | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | 0.730<br>μg/L<br>(AM) | NR         | NR                  |
| Wang et al. 2013<br><b>HERO ID:</b> 6833827<br><i>OQD:</i> Uninformative | Southern Ontario and Southern Quebec, CA<br>Scenario: Effluent water from WWTP 11<br>(n = 1; DF = 1; Sampling Period: May, 2010 - Oct., 2010)                                   | LOD: 0.009<br>μg/L<br>LOQ: 0.031<br>μg/L | NR  | NR  | <LOD                  | NR         | NR                  |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium        | Lake Ontario, CA<br>Scenario: Influent wastewater from a municipal WWTP under morning high flow in January - collected at 10am<br>(n = 3; DF = NR; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: Not Reported   | NR  | NR  | 0.697<br>μg/L<br>(AM) | NR         | 0.083 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium        | Lake Ontario, CA<br>Scenario: Influent wastewater from a municipal WWTP under overnight low flow in March - collected at 7am<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)   | LOD: Not Reported<br>LOQ: Not Reported   | NR  | NR  | 0.166<br>μg/L<br>(AM) | NR         | 0.008 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium        | Lake Ontario, CA<br>Scenario: Influent wastewater from a municipal WWTP under overnight low flow in March - collected at 10am<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)  | LOD: Not Reported<br>LOQ: Not Reported   | NR  | NR  | 1.13<br>μg/L<br>(AM)  | NR         | 0.29 μg/L<br>(ASD)  |

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| Citation Information                                              | Site and Data Description                                                                                                                                                        | Limit (LOD/LOQ)                        | Min                         | Max | Mean                   | Percentile | Variance            |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|-----|------------------------|------------|---------------------|
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Influent wastewater from a municipal WWTP under morning high flow in March - collected at 4pm<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)     | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.0596<br>μg/L<br>(AM) | NR         | 0.028 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Influent wastewater from a municipal WWTP under afternoon low flow in March - collected at 10pm<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)   | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.911<br>μg/L<br>(AM)  | NR         | 0.037 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Effluent wastewater from a municipal WWTP under overnight low flow in January - collected at 10am<br>(n = 3; DF = NR; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.026<br>μg/L<br>(AM)  | NR         | 0.001 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Effluent wastewater from a municipal WWTP under overnight low flow in March - collected at 10am<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)   | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.017<br>μg/L<br>(AM)  | NR         | 0.001 μg/L<br>(ASD) |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Effluent wastewater from a municipal WWTP under morning high flow in March - collected at 12am<br>(n = 3; DF = 0; Sampling Period: Mar., 2011)     | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | <0.009<br>ug/L<br>(AM) | NR         | NR                  |
| Wang et al. 2015<br><b>HERO ID:</b> 6833855<br><i>OQD:</i> Medium | Lake Ontario, CA<br>Scenario: Effluent wastewater from a municipal WWTP under evening high flow in March - collected at 1pm<br>(n = 3; DF = NR; Sampling Period: Mar., 2011)     | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.010<br>μg/L<br>(AM)  | NR         | 0.001 μg/L<br>(ASD) |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High     | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w5a - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011)                                             | LOD: Not Reported<br>LOQ: 4.5 ng/L     | POINT VALUE(S): [0.55 μg/L] |     |                        |            |                     |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High     | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w7a - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011)                                             | LOD: Not Reported<br>LOQ: 4.5 ng/L     | POINT VALUE(S): [0.09 μg/L] |     |                        |            |                     |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High     | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w5b - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011)                                             | LOD: Not Reported<br>LOQ: 4.5 ng/L     | POINT VALUE(S): [0.45 μg/L] |     |                        |            |                     |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High     | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w7b - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011)                                             | LOD: Not Reported<br>LOQ: 4.5 ng/L     | POINT VALUE(S): [0.10 μg/L] |     |                        |            |                     |

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Table 12 – continued from previous page

| Citation Information                                          | Site and Data Description                                                                                                           | Limit (LOD/LOQ)                     | Min | Max | Mean | Percentile                  | Variance |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|-----|------|-----------------------------|----------|
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w5a - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)  | LOD: Not Reported<br>LOQ: 4.5 ng/L  |     |     |      | POINT VALUE(S): [0.53 µg/L] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w7a - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)  | LOD: Not Reported<br>LOQ: 4.5 ng/L  |     |     |      | POINT VALUE(S): [0.12 µg/L] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w5b - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)  | LOD: Not Reported<br>LOQ: 4.5 ng/L  |     |     |      | POINT VALUE(S): [0.25 µg/L] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Aqueous wastewater in WWTP, sample point w7b - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)  | LOD: Not Reported<br>LOQ: 4.5 ng/L  |     |     |      | POINT VALUE(S): [0.05 µg/L] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w5a - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [700 ng/g]  |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w7a - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [700 ng/g]  |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w5b - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [2200 ng/g] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w7b - January 2011<br>(n = 1; DF = 1; Sampling Period: Jan., 2011) | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [2200 ng/g] |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w5a - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)   | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [680 ng/g]  |          |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w7a - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)   | LOD: Not Reported<br>LOQ: <1.0 ng/g |     |     |      | POINT VALUE(S): [680 ng/g]  |          |

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| Citation Information                                             | Site and Data Description                                                                                                                         | Limit (LOD/LOQ)                                  | Min                         | Max                    | Mean                        | Percentile                     | Variance                     |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------|------------------------|-----------------------------|--------------------------------|------------------------------|
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High    | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w5b - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)                 | LOD: Not Reported<br>LOQ: <1.0 ng/g              | POINT VALUE(S): [2300 ng/g] |                        |                             |                                |                              |
| Xu et al. 2013<br><b>HERO ID:</b> 6833877<br><i>OQD:</i> High    | Beijing, CN<br>Scenario: Sludge wastewater in WWTP, sample point w7b - April 2011<br>(n = 1; DF = 1; Sampling Period: Apr., 2011)                 | LOD: Not Reported<br>LOQ: <1.0 ng/g              | POINT VALUE(S): [2300 ng/g] |                        |                             |                                |                              |
| Zhang et al. 2011<br><b>HERO ID:</b> 6833929<br><i>OQD:</i> High | Heilongjiang Province; Jilin Province., CN<br>Scenario: Sludge from WWTPs along the Songhua River<br>(n = 8; DF = 1; Sampling Period: Jul., 2009) | LOD: Not Reported<br>LOQ: 0.5 ng/g               | 41.8 ng/g                   | 103 ng/g               | 63.3 ng/g (AM)              | 50th: 62.1 ng/g;               | 17.6 ng/g (ASD)              |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of open WWTP in China (W1)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)             | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 0.40 µg/m <sup>3</sup>      | 7.95 µg/m <sup>3</sup> | 2.18 µg/m <sup>3</sup> (AM) | 50th: 1.35 µg/m <sup>3</sup> ; | 2.06 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of open WWTP in China (W2)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)             | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 0.14 µg/m <sup>3</sup>      | 3.17 µg/m <sup>3</sup> | 1.25 µg/m <sup>3</sup> (AM) | 50th: 0.93 µg/m <sup>3</sup> ; | 1.02 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of open WWTP in China (W3)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)             | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 0.18 µg/m <sup>3</sup>      | 2.63 µg/m <sup>3</sup> | 1.09 µg/m <sup>3</sup> (AM) | 50th: 0.93 µg/m <sup>3</sup> ; | 0.76 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of open WWTP in China (W4)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)             | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 0.14 µg/m <sup>3</sup>      | 2.40 µg/m <sup>3</sup> | 0.95 µg/m <sup>3</sup> (AM) | 50th: 0.80 µg/m <sup>3</sup> ; | 0.56 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of open WWTP in China (W5)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)             | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 0.11 µg/m <sup>3</sup>      | 5.03 µg/m <sup>3</sup> | 1.10 µg/m <sup>3</sup> (AM) | 50th: 0.78 µg/m <sup>3</sup> ; | 1.26 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of closed WWTP in China (W6)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)           | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 1.06 µg/m <sup>3</sup>      | 9.08 µg/m <sup>3</sup> | 4.72 µg/m <sup>3</sup> (AM) | 50th: 4.95 µg/m <sup>3</sup> ; | 2.57 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of closed WWTP in China (W7)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)           | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 1.06 µg/m <sup>3</sup>      | 14.0 µg/m <sup>3</sup> | 4.47 µg/m <sup>3</sup> (AM) | 50th: 3.35 µg/m <sup>3</sup> ; | 3.75 µg/m <sup>3</sup> (ASD) |
| Li et al. 2020<br><b>HERO ID:</b> 6834672<br><i>OQD:</i> Medium  | Dalian, China, CN<br>Scenario: Off-gassing of closed WWTP in China (W8)<br>(n = 16; DF = 1.0; Sampling Period: Jun., 2016 - Jul., 2017)           | LOD: 0.00113 ng/sample<br>LOQ: 0.00377 ng/sample | 1.16 µg/m <sup>3</sup>      | 25.7 µg/m <sup>3</sup> | 6.80 µg/m <sup>3</sup> (AM) | 50th: 5.08 µg/m <sup>3</sup> ; | 6.56 µg/m <sup>3</sup> (ASD) |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium  | Harbin, CN<br>Scenario: Influent from WWTP in China<br>(n = 4; DF = 1; Sampling Period: Jan., 2012 - Dec., 2012)                                  | LOD: Not Reported<br>LOQ: 0.2-2 ng/L             | 16.8 ng/L                   | 103 ng/L               | 62.4 ng/L (AM)              | NR                             | NR                           |

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| Citation Information                                                          | Site and Data Description                                                                                                                                                                                             | Limit (LOD/LOQ)                                     | Min                          | Max                     | Mean                        | Percentile        | Variance |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|-------------------------|-----------------------------|-------------------|----------|
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium               | Harbin, CN<br>Scenario: Effluent from WWTP in China<br>(n = 12; DF = 1; Sampling Period: Jan., 2012 - Dec., 2012)                                                                                                     | LOD: Not Reported<br>LOQ: 0.2-2 ng/L                | 10.4 ng/L                    | 59.3 ng/L               | 26.0 ng/L (AM)              | NR                | NR       |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium               | Harbin, CN<br>Scenario: Aerobic sludge from WWTP in China<br>(n = 4; DF = 1; Sampling Period: Jan., 2012 - Oct., 2012)                                                                                                | LOD: Not Reported<br>LOQ: 0.2-2 µg/g                | 0.4 µg/g                     | 0.9 µg/g                | 0.6 µg/g (AM)               | NR                | NR       |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium               | Harbin, CN<br>Scenario: Excess sludge from WWTP in China<br>(n = 4; DF = 1; Sampling Period: Jan., 2012 - Oct., 2012)                                                                                                 | LOD: Not Reported<br>LOQ: 0.2-2 µg/g                | 0.5 µg/g                     | 0.7 µg/g                | 0.7 µg/g (AM)               | NR                | NR       |
| Li et al. 2016<br><b>HERO ID:</b> 6835872<br><i>OQD:</i> Medium               | Harbin, CN<br>Scenario: Air at side of anaerobic-oxic process of WWTP<br>(n = 12; DF = 1; Sampling Period: Jan., 2012 - Oct., 2012)                                                                                   | LOD: Not Reported<br>LOQ: 0.9-9.1 pg/m <sup>3</sup> | 5.6 ng/m <sup>3</sup>        | 125.4 ng/m <sup>3</sup> | 56.4 ng/m <sup>3</sup> (AM) | NR                | NR       |
| Xu et al. 2017<br><b>HERO ID:</b> 6836342<br><i>OQD:</i> Medium               | Shandong Province, China, CN<br>Scenario: Influent of WWTP in China<br>(n = 36; DF = 1; Sampling Period: Jan., 2016 - Dec., 2016)                                                                                     | LOD: Not Reported<br>LOQ: 2.5-3.0 ng/L              | 0.164 µg/L                   | 0.353 µg/L              | NR                          | NR                | NR       |
| Xu et al. 2017<br><b>HERO ID:</b> 6836342<br><i>OQD:</i> Medium               | Shandong Province, China, CN<br>Scenario: Effluent of WWTP in China<br>(n = 36; DF = 1; Sampling Period: Jan., 2016 - Dec., 2016)                                                                                     | LOD: Not Reported<br>LOQ: 2.5-3.0 ng/L              | 3.67 ng/L                    | 11.6 ng/L               | NR                          | NR                | NR       |
| Horii et al. 2019<br><b>HERO ID:</b> 6836350<br><i>OQD:</i> Medium            | Saitama prefecture, Japan, JP<br>Scenario: Influent wastewater from sewage treatment plants serving from 15,300 to 1,730,000 population<br>(n = 9; DF = 0.97; Sampling Period: Jul., 2013 - Oct., 2013)               | LOD: 0.007 µg/L<br>LOQ: 0.023 µg/L                  | 0.22 µg/L                    | 0.93 µg/L               | 0.48 µg/L (GM)              | 50th: 0.45 µg/L;  | NR       |
| Horii et al. 2019<br><b>HERO ID:</b> 6836350<br><i>OQD:</i> Medium            | Saitama prefecture, Japan, JP<br>Scenario: Effluent wastewater from sewage treatment plants serving 15,300 to 1,730,000 population<br>(n = 9; DF = 0.97; Sampling Period: Jul., 2013 - Oct., 2013)                    | LOD: 0.09 µg/L<br>LOQ: 0.28 µg/L                    | <LOD                         | 0.039 µg/L              | 0.016 µg/L (GM)             | 50th: 0.017 µg/L; | NR       |
| Horii et al. 2019<br><b>HERO ID:</b> 6836350<br><i>OQD:</i> Medium            | Saitama prefecture, Japan, JP<br>Scenario: Dewatered sludge from sewage treatment plants serving 15,300 to 1,730,000 population<br>(n = 9; DF = 0.97; Sampling Period: Jul., 2013 - Oct., 2013)                       | LOD: 0.04 µg/g<br>LOQ: 0.14 µg/g                    | 0.17 µg/g                    | 0.56 µg/g               | 0.36 µg/g (GM)              | 50th: 0.37 µg/g;  | NR       |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Effluent water at Bekkelaget STP<br>(n = 1; DF = NR; Sampling Period: Sept., 2006) | LOD: 0.03 µg/L<br>LOQ: Not Reported                 | POINT VALUE(S): [<0.03 µg/L] |                         |                             |                   |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Influent water at Bekkelaget STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006)  | LOD: Not Reported<br>LOQ: Not Reported              | POINT VALUE(S): [0.1 µg/L]   |                         |                             |                   |          |

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| Citation Information                                                          | Site and Data Description                                                                                                                                                                                           | Limit (LOD/LOQ)                        | Min                         | Max | Mean            | Percentile | Variance |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|-----|-----------------|------------|----------|
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Influent water at VEAS STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006)      | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [0.2 µg/L]  |     |                 |            |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Effluent water at VEAS STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006)      | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [0.1 µg/L]  |     |                 |            |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Inlet sludge at Bekkelaget STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006)  | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1100 ng/g] |     |                 |            |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Outlet sludge at Bekkelaget STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006) | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [2700 ng/g] |     |                 |            |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Inlet sludge at VEAS STP<br>(n = 1; DF = NR; Sampling Period: Sept., 2006)       | LOD: 180 ng/g<br>LOQ: Not Reported     | POINT VALUE(S): [ <LOD]     |     |                 |            |          |
| Schlabach et al. 2007<br><b>HERO ID:</b> 6989160<br><i>OQD:</i> Uninformative | Bekkelagsbassenget; Bekkelaget; Frognerkilen; Lysaker; Ormøya; Gressholmen; Vestfjord; Vestfjordens Avløpsselskap, NO<br>Scenario: Outlet sludge at VEAS STP<br>(n = 1; DF = 1; Sampling Period: Sept., 2006)       | LOD: Not Reported<br>LOQ: Not Reported | POINT VALUE(S): [1000 ng/g] |     |                 |            |          |
| Wang et al. 2015<br><b>HERO ID:</b> 7002250<br><i>OQD:</i> Medium             | Dailan, CN<br>Scenario: Sludge collected from a municipal WWTP (serves 130,000 population with 30,000 m <sup>3</sup> /day capacity)<br>(n = 7; DF = 1; Sampling Period: May, 2014)                                  | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 929 µg/kg (AM)  | NR         | NR       |
| Wang et al. 2015<br><b>HERO ID:</b> 7002250<br><i>OQD:</i> Medium             | Dailan, CN<br>Scenario: Influent going into a municipal WWTP (serves 130,000 population with 30,000 m <sup>3</sup> /day capacity)<br>(n = 7; DF = 1; Sampling Period: May, 2014)                                    | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.369 µg/L (AM) | NR         | NR       |
| Wang et al. 2015<br><b>HERO ID:</b> 7002250<br><i>OQD:</i> Medium             | Dailan, CN<br>Scenario: Effluent collected from a municipal WWTP (serves 130,000 population with 30,000 m <sup>3</sup> /day capacity)<br>(n = 7; DF = 1; Sampling Period: May, 2014)                                | LOD: Not Reported<br>LOQ: Not Reported | NR                          | NR  | 0.097 µg/L (AM) | NR         | NR       |

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Table 12 – continued from previous page

| Citation Information                                             | Site and Data Description                                                                                                                                                         | Limit (LOD/LOQ)                          | Min                                                      | Max | Mean | Percentile | Variance |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|-----|------|------------|----------|
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium | Multiple Regions in Sweden, SE<br>Scenario: Wastewater of Point Sources in industrial city (n = 26; DF = 0; Sampling Period: Fall, 2004)                                          | LOD: 0.06-0.08 µg/L<br>LOQ: Not Reported | NR                                                       | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002474<br><i>OQD:</i> Medium | Multiple Regions in Sweden, SE<br>Scenario: Sludge of Diffuse Sources in industrial city (n = 3; DF = 1; Sampling Period: Nov., 2004 - Dec., 2004)                                | LOD: Not Reported<br>LOQ: Not Reported   | POINT VALUE(S): [280 ng/g; 310 ng/g; 430 ng/g]           |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Sludge near background sources in Denmark (n = 2; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005)                      | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [740 ng/g; 470 ng/g]                     |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Sludge near background sources in Faroe Islands (n = 1; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005)                 | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [190 ng/g]                               |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Sludge near background sources in Finland (n = 3; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005)                              | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [960 ng/g; 230 ng/g; 530 ng/g]           |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Sludge near point sources in Finland (n = 2; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005)                                   | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [740 ng/g; 660 ng/g]                     |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Reykjavik, Ananaust and Klettagardar, Iceland, IS<br>Scenario: Sludge near point sources in Iceland (n = 2; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005)                     | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [120 ng/g; 96 ng/g]                      |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Stockholm, Gothenburg, Skellefteå, Lerum, Eslöv and Kiruna, Sweden, SE<br>Scenario: Sludge near point sources in Sweden (n = 4; DF = 1; Sampling Period: Oct., 2004 - Feb., 2005) | LOD: 3.9 ng/sample<br>LOQ: Not Reported  | POINT VALUE(S): [370 ng/g; 120 ng/g; 200 ng/g; 380 ng/g] |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Influent Wastewater near point sources in Denmark (n = 2; DF = 1; Sampling Period: Sept., 2004 - May, 2005)              | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | POINT VALUE(S): [0.28 µg/L; 0.60 µg/L]                   |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Uggeløse, Avedøre, Copenhagen, Roskilde, DK<br>Scenario: Effluent Wastewater near point sources in Denmark (n = 2; DF = 0; Sampling Period: Sept., 2004 - May, 2005)              | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | NR                                                       | NR  | <LOD | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Torshavn, Kaldbaksfjord. Faroe Islands, FO<br>Scenario: Effluent Wastewater near point sources in Faroe Island (n = 1; DF = 0; Sampling Period: Sept., 2004 - May, 2005)          | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | POINT VALUE(S): [ <LOD]                                  |     |      |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Influent Wastewater near point sources in Finland (n = 2; DF = 1; Sampling Period: Sept., 2004 - May, 2005)                      | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | POINT VALUE(S): [3.7 µg/L; 0.25 µg/L]                    |     |      |            |          |

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Table 12 – continued from previous page

| Citation Information                                               | Site and Data Description                                                                                                                                       | Limit (LOD/LOQ)                          | Min                               | Max       | Mean           | Percentile | Variance |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------|-----------|----------------|------------|----------|
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Espoo, Nokia, Helsinki, Finland, FI<br>Scenario: Effluent Wastewater near point sources in Finland (n = 4; DF = 0.25; Sampling Period: Sept., 2004 - May, 2005) | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | POINT VALUE(S): [0.11 µg/L; <LOD] |           |                |            |          |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Oslo, Norway, NO<br>Scenario: Influent Wastewater near point sources in Norway (n = 1; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                        | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | NR                                | NR        | <LOD           | NR         | NR       |
| Kaj et al. 2005<br><b>HERO ID:</b> 7002477<br><i>OQD:</i> Medium   | Oslo, Norway, NO<br>Scenario: Effluent Wastewater near point sources in Norway (n = 1; DF = 0; Sampling Period: Sept., 2004 - May, 2005)                        | LOD: 0.04-0.12 µg/L<br>LOQ: Not Reported | NR                                | NR        | <LOD           | NR         | NR       |
| Sanchís et al. 2013<br><b>HERO ID:</b> 7002481<br><i>OQD:</i> High | Barcelona; Girona; Tarragona; Lleida, ES<br>Scenario: Wastewater effluent from 17 WWTPs in Catalonia (n = 51; DF = 0.75; Sampling Period: Jun., 2011)           | LOD: 3.2-13 ng/L<br>LOQ: 0.5-26 ng/L     | NR                                | NR        | 18.9 ng/L (AM) | NR         | NR       |
| Lee et al. 2014<br><b>HERO ID:</b> 7296367<br><i>OQD:</i> High     | Not reported, KR<br>Scenario: Sludge from 16 Domestic WWTP in Korea (n = 16; DF = 0.125; Sampling Period: Jul., 2011 - Oct., 2011)                              | LOD: Not Reported<br>LOQ: 0.03-23.0 ng/g | <LOQ                              | 2.91 µg/g | 0.34 µg/g (AM) | NR         | NR       |
| Lee et al. 2014<br><b>HERO ID:</b> 7296367<br><i>OQD:</i> High     | Not reported, KR<br>Scenario: Sludge from 9 Mixed Use WWTP in Korea (n = 9; DF = 0.222; Sampling Period: Jul., 2011 - Oct., 2011)                               | LOD: Not Reported<br>LOQ: 0.03-23.0 ng/g | <LOQ                              | 19.4 µg/g | 2.25 µg/g (AM) | NR         | NR       |
| Lee et al. 2014<br><b>HERO ID:</b> 7296367<br><i>OQD:</i> High     | Not reported, KR<br>Scenario: Sludge from 9 Industrial WWTP in Korea (n = 15; DF = 0.133; Sampling Period: Jul., 2011 - Oct., 2011)                             | LOD: Not Reported<br>LOQ: 0.03-23.0 ng/g | <LOQ                              | 4.37 µg/g | 0.33 µg/g (AM) | NR         | NR       |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High   | Ann Arbor, Michigan, US<br>Scenario: Final effluent from Ann Arbor WWTP (n = 1; DF = 0; Sampling Period: Jun., 1985)                                            | LOD: 0.5 µg/L<br>LOQ: Not Reported       | POINT VALUE(S): [ <LOD]           |           |                |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High   | Washington, DC, US<br>Scenario: Final effluent from Blue Plains WWTP (n = 1; DF = 0; Sampling Period: Jun., 1985)                                               | LOD: 0.5 µg/L<br>LOQ: Not Reported       | POINT VALUE(S): [ <LOD]           |           |                |            |          |
| Simon et al. 1985<br><b>HERO ID:</b> 7303019<br><i>OQD:</i> High   | Detroit, Michigan, US<br>Scenario: Final effluent from Detroit WWTP (n = 1; DF = 0; Sampling Period: Jun., 1985)                                                | LOD: 0.5 µg/L<br>LOQ: Not Reported       | POINT VALUE(S): [ <LOD]           |           |                |            |          |

Table 13: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

| Citation Information                                               | Site and Data Description                                                                                                   | Limit (LOD/LOQ)                                | Min                   | Max                  | Mean                      | Percentile                    | Variance |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------|----------------------|---------------------------|-------------------------------|----------|
| Horii et al. 2008<br><b>HERO ID:</b> 6833916<br><i>OQD:</i> Medium | Albany, NY<br>Tsukuba, JP,US (Product source)<br>Scenario: Measured concentration, sealants<br>(n = 3; DF = 0.33)           | LOD: Not Reported<br>LOQ: 0.35 $\mu\text{g/g}$ | <0.35 $\mu\text{g/g}$ | 551 $\mu\text{g/g}$  | 184 $\mu\text{g/g}$ (AM)  | 50th: <0.35 $\mu\text{g/g}$ ; | NR       |
| Horii et al. 2008<br><b>HERO ID:</b> 6833916<br><i>OQD:</i> Medium | Albany, NY<br>Tsukuba, JP,US (Product source)<br>Scenario: Measured concentration, nipples<br>(n = 4; DF = 1)               | LOD: Not Reported<br>LOQ: 0.35 $\mu\text{g/g}$ | 0.62 $\mu\text{g/g}$  | 0.87 $\mu\text{g/g}$ | 0.74 $\mu\text{g/g}$ (AM) | 50th: 0.74 $\mu\text{g/g}$ ;  | NR       |
| Horii et al. 2008<br><b>HERO ID:</b> 6833916<br><i>OQD:</i> Medium | Albany, NY<br>Tsukuba, JP,US (Product source)<br>Scenario: Measured concentration, sanitation products<br>(n = 6; DF = 0.5) | LOD: Not Reported<br>LOQ: 0.35 $\mu\text{g/g}$ | <0.35 $\mu\text{g/g}$ | 9380 $\mu\text{g/g}$ | 1560 $\mu\text{g/g}$ (AM) | 50th: 1.0 $\mu\text{g/g}$ ;   | NR       |

Octamethylcyclotetrasiloxane (D4)

Modeling

Indoor Air

Table 14: Data Extraction Tables of Exposure Modeling Studies for Indoor Air

| Citation Information                                           | Site and Data Description                                                                          | Min                  | Max                   | Mean                             | Percentile                   | Variance |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------|-----------------------|----------------------------------|------------------------------|----------|
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Uppsala, Sweden, SE (Modeled Location)<br>Scenario: Modeled adult daily inhalation dose in homes   | 9100 pg/kg<br>BW/day | 65000 pg/kg<br>BW/day | 29000<br>pg/kg<br>BW/day<br>(AM) | 50th: 22000 pg/kg<br>BW/day; | NR       |
| Sha et al. 2018<br><b>HERO ID:</b> 5083520<br><i>OQD:</i> High | Uppsala, Sweden, SE (Modeled Location)<br>Scenario: Modeled adult daily inhalation dose in offices | 3100 pg/kg<br>BW/day | 39000 pg/kg<br>BW/day | 17000<br>pg/kg<br>BW/day<br>(AM) | 50th: 12000 pg/kg<br>BW/day; | NR       |

## Glossary of Select Terms for Data Extraction Tables

Table 15: Glossary of Select Terms for Data Extraction

| Term              | Definition                                                                       |
|-------------------|----------------------------------------------------------------------------------|
| ADME              | Absorption, distribution, metabolism, and excretion                              |
| ADAF              | Age-dependent adjustment factors                                                 |
| BAF               | Bioaccumulation factor                                                           |
| BCF               | Bioconcentration factor                                                          |
| BMF               | Biomagnification factor                                                          |
| BOD               | Biochemical oxygen demand                                                        |
| BW <sub>3/4</sub> | Body weight scaling to the 3/4 power                                             |
| CASRN             | Chemical Abstracts Service Registry Number                                       |
| CBI               | Confidential business information                                                |
| CDR               | Chemical Data Reporting                                                          |
| CFR               | Code of Federal Regulations                                                      |
| ChemSTEER         | Chemical Screening Tool for Exposure and Environmental Releases                  |
| COC               | Concentration(s) of concern                                                      |
| CPCat             | Chemical and Product Categories                                                  |
| CPSC              | Consumer Product Safety Commission                                               |
| CSCL              | Chemical Substances Control Law                                                  |
| CSF               | Cancer slope factor                                                              |
| CWA               | Clean Water Act                                                                  |
| D4                | Octamethylcyclotetra- siloxane (Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-) |
| DMSD              | Dimethylsilanediol                                                               |
| ECHA              | European Chemicals Agency                                                        |
| EC                | European Commission                                                              |
| EC <sub>x</sub>   | Effective Concentration that causes a response that is x% of the maximum         |
| EPA               | Environmental Protection Agency                                                  |
| ERG               | Eastern Research Group                                                           |
| ESD               | Emission Scenario Document                                                       |
| EU                | European Union                                                                   |
| FDA               | Food and Drug Administration                                                     |
| FFDCA             | Federal Food, Drug, and Cosmetic Act                                             |
| FR                | Federal Register                                                                 |
| GC                | Gas chromatography                                                               |
| GDIT              | General Dynamics Information Technology                                          |
| GS                | Generic Scenario                                                                 |
| HAWC              | Health Assessment Workplace Collaborative                                        |
| HERO              | Health and Environmental Research Online (Database)                              |
| Hg                | Mercury                                                                          |
| HHE               | Health Hazard Evaluation                                                         |
| HQ                | Headquarters                                                                     |
| HSDB              | Hazardous Substances Data Bank                                                   |
| ICF               | ICF (a global consulting company)                                                |
| IMAP              | Inventory Multi-Tiered Assessment and Prioritisation (Australia)                 |
| IMIS              | Integrated Management Information System                                         |
| IUR               | Inhalation unit risk                                                             |
| K <sub>OC</sub>   | Organic carbon: water partition coefficient                                      |
| K <sub>OW</sub>   | Octanol: water partition coefficient                                             |
| LC <sub>50</sub>  | Lethal Concentration of 50% test organisms                                       |
| LOAEL             | Lowest observed adverse effect level                                             |
| LOEC              | Lowest observed effect concentration                                             |
| MITI              | Ministry of International Trade and Industry                                     |

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## Glossary of Select Terms for Data Extraction Tables

Table 15 ...continued from previous page

| Term             | Definition                                                                                         |
|------------------|----------------------------------------------------------------------------------------------------|
| MOA              | Mode of action                                                                                     |
| MOE              | Margin of exposure                                                                                 |
| MP               | Melting point                                                                                      |
| MRSA             | Maine Revised Statutes Annotated                                                                   |
| NHANES           | National Health and Nutrition Examination Survey                                                   |
| NICNAS           | National Industrial Chemicals Notification and Assessment Scheme (Australia)                       |
| NIOSH            | National Institute for Occupational Safety and Health                                              |
| NITE             | National Institute of Technology and Evaluation                                                    |
| NLM              | National Library of Medicine                                                                       |
| NOAEL            | No observed adverse effect level                                                                   |
| NOEC             | No observed effect concentration                                                                   |
| NPDES            | National Pollutant Discharge Elimination System                                                    |
| OCSPP            | Office of Chemical Safety and Pollution Prevention                                                 |
| OECD             | Organisation for Economic Co-operation and Development                                             |
| OEL              | Occupational Exposure Limit                                                                        |
| ONU              | Occupational non-user                                                                              |
| OPPT             | Office of Pollution Prevention and Toxics                                                          |
| OSF              | Oral slope factor                                                                                  |
| OSHA             | Occupational Safety and Health Administration                                                      |
| PBPK             | Physiologically based pharmacokinetic                                                              |
| PBT              | Persistent, bioaccumulative, toxic                                                                 |
| PDMS             | Polydimethylsiloxane                                                                               |
| PECO             | Population, exposure, comparator, and outcome                                                      |
| PESO             | Pathways and processes, exposure, setting/scenario, and outcomes                                   |
| PESS             | Potentially exposed or susceptible subpopulation(s)                                                |
| POD              | Point(s) of departure                                                                              |
| POTW             | Publicly owned treatment works                                                                     |
| PPE              | Personal protective equipment                                                                      |
| PVC              | Polyvinyl chloride                                                                                 |
| RCRA             | Resource Conservation and Recovery Act                                                             |
| REACH            | Registration, Evaluation, Authorisation and Restriction of Chemicals (European Union)              |
| RESO             | Receptor, exposure, setting/scenario, and outcome                                                  |
| RQ               | Risk quotient                                                                                      |
| SDS              | Safety Data Sheet                                                                                  |
| SEHSC            | Silicones Environmental, Health, and Safety Center                                                 |
| SMILES           | Simplified molecular-input line-entry system SRC SRC, Inc., formerly Syracuse Research Corporation |
| T <sub>1/2</sub> | Half-life                                                                                          |
| TCCR             | Transparent, clear, consistent, and reasonable                                                     |
| TIAB             | Title and abstract                                                                                 |
| TMF              | Trophic magnification factor(s)                                                                    |
| TRI              | Toxics Release Inventory                                                                           |
| TSCA             | Toxic Substances Control Act                                                                       |
| U.S.C.           | United States Code                                                                                 |
| VP               | Vapor pressure                                                                                     |
| WS               | Water solubility                                                                                   |
| WWTP             | Wastewater treatment plant                                                                         |