United States
Environmental Protection Agency

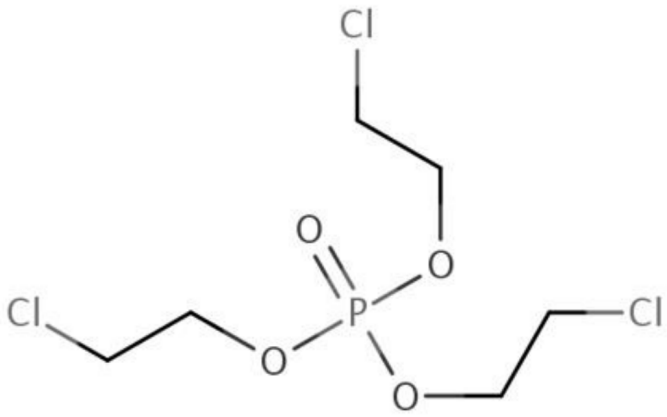
September 2024
Office of Chemical Safety and
Pollution Prevention

Risk Evaluation for Tris(2-chloroethyl) Phosphate (TCEP)

Systematic Review Supplemental File:

Data Extraction Information for General Population, Consumer, and Environmental Exposure

CASRN: 115-96-8



September 2024

This supplemental file contains information regarding the data extraction results for data sources that met the PECO screening criteria for the *Risk Evaluation for Tris(2-chloroethyl) phosphate (TCEP)*. 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 *Risk Evaluation for Tris(2-chloroethyl) phosphate (TCEP) – Systematic Review Protocol*, referred hereafter as the "TCEP 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 appropriate. For further details about extraction criteria, review TCEP 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 TCEP Data Extraction Information for General Population, 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
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential outdoor air near industrial facility (winter) (n = 21; DF = 0.85; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 18 pg LOQ: Not Reported	NR	NR	6.59 ng/m^3 (GM)	10th: 2.60 ng/m^3; 90th: 11.7 ng/m^3;	1.66 ng/m^3 (GSD)
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential outdoor air near industrial facility (summer) (n = 25; DF = 0.94; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 18 pg LOQ: Not Reported	NR	NR	14.3 ng/m^3 (GM)	10th: 4.57 ng/m^3; 90th: 58.4 ng/m^3;	3.07 ng/m^3 (GSD)
Fabiańska et al. 2019 ***HERO ID:*** *5043433* *OQD:* Medium	Zloty Potok; Zabrze; Gliwice; Radlin, PL Scenario: Ambient Particulate Matter at Zabrze crossroads (n = 18; DF = 0.11; Sampling Period: 2018)	LOD: 0.01-0.03 ng/m^3 LOQ: Not Reported	NR	NR	0.3 μg/g (AM)	NR	0.1 μg/g (ASD)
Marklund et al. 2005 ***HERO ID:*** *5176506* *OQD:* Medium	Pallas, FI Scenario: Ambient air of open field near Swedish Environmental Research Institute (n = 1; DF = 1.0; Sampling Period: Mar., 2003)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.6 pg/m^3]				
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Zeppelin, NO Scenario: Zeppelin air - Summer 2018 (n = 6; DF = 0.83; Sampling Period: Jul., 2018 - Sept., 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	101 pg/m^3 (AM)	NR	NR
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Zeppelin, NO Scenario: Zeppelin air - Winter 2018 (n = 6; DF = 0.83; Sampling Period: Oct., 2018 - Dec., 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	127 pg/m^3 (AM)	NR	NR
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Zeppelin, NO Scenario: Zeppelin air - Summer 2017 (n = 6; DF = 0.83; Sampling Period: Jul., 2017 - Sept., 2017)	LOD: Not Reported LOQ: Not Reported	NR	NR	41 pg/m^3 (AM)	NR	NR
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Zeppelin, NO Scenario: Zeppelin air - Winter 2017 (n = 6; DF = 0.83; Sampling Period: Oct., 2017 - Dec., 2017)	LOD: Not Reported LOQ: Not Reported	NR	NR	15 pg/m^3 (AM)	NR	NR
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Birkenes, NO Scenario: Birkenes station air - Jul-Sept 2018 (n = 6; DF = 0; Sampling Period: Jul., 2018 - Sept., 2018)	LOD: 40 pg/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
Bohlin-Nizzetto et al. 2019 ***HERO ID:*** *6994279* *OQD:* Medium	Birkenes, NO Scenario: Birkenes station air - Oct-Dec 2018 (n = 6; DF = 0; Sampling Period: Oct., 2018 - Dec., 2018)	LOD: 45 pg/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP Scenario: Outdoor air from 8 sites (n = 8; DF = 0; Sampling Period: Jan., 2002 - Mar., 2002)	LOD: 0.67 ng/m^3 LOQ: Not Reported	NR	NR	ND	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bradman et al. 2014 ***HERO ID:*** *2539068* *OQD:* High	Monterey and Alameda counties of California, US Scenario: Ambient surface air (<10 m) outside 39 early childhood education centers (n = 14; DF = 0.5; Sampling Period: May, 2010 - May, 2011)	LOD: 0.3 ng/m^3 LOQ: Not Reported	<LOD	1.60 ng/m^3	0.72 ng/m^3 (AM)	25th: <LOD; 50th: <LOD; 75th: 1.17 ng/m^3; 90th: 1.59 ng/m^3;	0.54 ng/m^3 (ASD)
Peverly et al. 2015 ***HERO ID:*** *2939998* *OQD:* High	Chicago, Illinois, US Scenario: Ambient air from 8 sites within city and 5 sites on outskirts, passive sampling (n = 161; DF = 0.87; Sampling Period: Jan., 2012 - Jan., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	144 pg/m^3 (AM); 75 pg/m^3 (GM)	NR	25.7 pg/m^3 (SE)
Salamova et al. 2014 ***HERO ID:*** *3027503* *OQD:* Medium	Sturgeon Point, NY, US Scenario: Atmospheric particle samples in rural Sturgeon Point (n = 16; DF = 0.63; Sampling Period: Jul., 2012 - Dec., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	130 pg/m^3 (AM)	50th: 152 pg/m^3;	27 pg/m^3 (SE)
Salamova et al. 2014 ***HERO ID:*** *3027503* *OQD:* Medium	Sleeping Bear Dunes, MI, US Scenario: Atmospheric particle samples in remote Sleeping Bear Dunes (n = 16; DF = 1; Sampling Period: Jul., 2012 - Dec., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	11 pg/m^3 (AM)	50th: 7.7 pg/m^3;	2 pg/m^3 (SE)
Salamova et al. 2014 ***HERO ID:*** *3027503* *OQD:* Medium	Chicago, IL, US Scenario: Atmospheric particle samples in urban sites Chicago (n = 27; DF = 0.93; Sampling Period: Mar., 2012 - Dec., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	180 pg/m^3 (AM)	50th: 118 pg/m^3;	25 pg/m^3 (SE)
Salamova et al. 2014 ***HERO ID:*** *3027503* *OQD:* Medium	Cleveland, OH, US Scenario: Atmospheric particle samples in urban sites Cleveland (n = 22; DF = 0.68; Sampling Period: Mar., 2012 - Dec., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	120 pg/m^3 (AM)	50th: 104 pg/m^3;	41 pg/m^3 (SE)
Salamova et al. 2014 ***HERO ID:*** *3027503* *OQD:* Medium	Eagle Harbor, MI, US Scenario: Atmospheric particle samples in remote Eagle Harbor (n = 16; DF = 0.27; Sampling Period: Jul., 2012 - Dec., 2012)	LOD: Not Reported LOQ: Not Reported	NR	NR	5.5 pg/m^3 (AM)	50th: 5.5 pg/m^3;	0.9 pg/m^3 (SE)
Abdollahi et al. 2017 ***HERO ID:*** *3466615* *OQD:* High	Toronto, Ontario, CA Scenario: Ambient air from a semi-urban meteorological station (n = 21; DF = NR; Sampling Period: Mar., 2010 - Oct., 2010)	LOD: 0.3 pg/m^3 LOQ: Not Reported	NR	3532 pg/m^3	766 pg/m^3 (AM)	NR	825 pg/m^3 (ASD)
Li et al. 2017 ***HERO ID:*** *3862723* *OQD:* High	northeast Atlantic and the Arctic Ocean, AQ Scenario: Particle phase air from northeast Atlantic/Arctic (n = 9; DF = 1; Sampling Period: Jun., 2014)	LOD: 3.8 pg/m^3 LOQ: Not Reported	26 pg/m^3	136 pg/m^3	48 pg/m^3 (AM)	50th: 35 pg/m^3;	NR
Li et al. 2017 ***HERO ID:*** *3862723* *OQD:* High	northeast Atlantic and the Arctic Ocean, AQ Scenario: Gaseous phase air from northeast Atlantic/Arctic (n = 9; DF = 1; Sampling Period: Jun., 2014)	LOD: 1.2 pg/m^3 LOQ: Not Reported	4 pg/m^3	92 pg/m^3	23 pg/m^3 (AM)	50th: 10 pg/m^3;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air TSP 24-hr samples from Moody Tower (urban) (n = 5; DF = 1.0; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	NR	270 pg/m^3 (AM)	NR	130 pg/m^3 (ASD)
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air TSP 10-hr night samples from Moody Tower (urban) (n = 5; DF = 1.0; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	NR	250 pg/m^3 (AM)	NR	180 pg/m^3 (ASD)
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air TSP 14-hr day samples from Moody Tower (urban) (n = 6; DF = 1.0; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	NR	300 pg/m^3 (AM)	NR	180 pg/m^3 (ASD)
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air PM2.5 samples from Moody Tower (urban) (n = 8; DF = 1; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	<LOQ	NR	NR	NR
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air PM2.5 samples from Conroe (suburban) (n = 8; DF = 0.63; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	<LOQ	NR	NR	NR
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air PM2.5 samples from Manvel Croix (suburban) (n = 7; DF = 1; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	<LOQ	NR	NR	NR
Clark et al. 2017 ***HERO ID:*** *3864979* *OQD:* Medium	Houston, Tx, US Scenario: Ambient air TSP 24-hr samples from La Porte (industrial) (n = 6; DF = 1.0; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 23.8 ppb	NR	NR	90 pg/m^3 (AM)	NR	32 pg/m^3 (ASD)
Guo et al. 2017 ***HERO ID:*** *3985267* *OQD:* High	Great Lakes basin, CA,US Scenario: Air (sum of vapor and particulate) at five IADN sites (GL air) (n = 20; DF = 0.55; Sampling Period: Jan., 2013 - Oct., 2013)	LOD: 60.2 pg/m^3 LOQ: Not Reported	<LOD	1137 pg/m^3	182.38 pg/m^3 (AM); 75.5 pg/m^3 (GM)	10th: <LOD; 25th: <LOD; 50th: 72.8 pg/m^3; 75th: 253.75 pg/m^3; 90th: 393.2 pg/m^3;	259.81 pg/m^3 (ASD)
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Urban ambient air in Hamitler (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [143 pg/m^3; <LOD; 68 pg/m^3; 69 pg/m^3; 141 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Industrial ambient air in Kestel (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [37 pg/m^3; <LOD; 78 pg/m^3; 89 pg/m^3; 107 pg/m^3]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Semi-urban ambient air in Camlica (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [79 pg/m^3; <LOD; 110 pg/m^3; 55 pg/m^3; 61 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Agricultural ambient air in Agakoy (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [125 pg/m^3; 115 pg/m^3; 102 pg/m^3; 76 pg/m^3; 84 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Rural ambient air in Mount Uludag (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Apr., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [45 pg/m^3; 53 pg/m^3; 73 pg/m^3; 112 pg/m^3; 78 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Semi-urban ambient air from Uludag University (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [102 pg/m^3; 61 pg/m^3; 58 pg/m^3; <LOD; 110 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Industrial ambient air in Demirtas Organized Industrial District (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [136 pg/m^3; <LOD; <LOD; 69 pg/m^3; 128 pg/m^3]				
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Urban ambient air in Bursa Technical University – Osmangazi Campus (n = 5; DF = 0.85; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 73.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [109 pg/m^3; 71 pg/m^3; 39 pg/m^3; 140 pg/m^3; 124 pg/m^3]				
Salamova et al. 2016 ***HERO ID:*** *5163441* *OQD:* Medium	Chicago, IL, US Scenario: Atmospheric particles from United States Integrated AtmosphericDeposition Network urban site in Chicago (n = 72; DF = 0.97; Sampling Period: Mar., 2012 - Dec., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 121 pg/m^3; 50th: 334 pg/m^3; 90th: 776 pg/m^3;	NR
Salamova et al. 2016 ***HERO ID:*** *5163441* *OQD:* Medium	Eagle Harbor, MI, US Scenario: Atmospheric particles from United States Integrated AtmosphericDeposition Network remote site of Eagle Harbor (n = 76; DF = 0.28; Sampling Period: Mar., 2012 - Dec., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 32 pg/m^3; 50th: 41 pg/m^3; 90th: 68 pg/m^3;	NR
Salamova et al. 2016 ***HERO ID:*** *5163441* *OQD:* Medium	Cleveland, OH, US Scenario: Atmospheric particles from United States Integrated AtmosphericDeposition Network urban site in Cleveland (n = 75; DF = 0.59; Sampling Period: Mar., 2012 - Dec., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 138 pg/m^3; 50th: 272 pg/m^3; 90th: 400 pg/m^3;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Salamova et al. 2016 ***HERO ID:*** *5163441* *OQD:* Medium	Sturgeon Point, NY, US Scenario: Atmospheric particles from United States Integrated AtmosphericDeposition Network rural site of Sturgeon Point (n = 69; DF = 0.54; Sampling Period: Mar., 2012 - Dec., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 111 pg/m^3; 50th: 274 pg/m^3; 90th: 661 pg/m^3;	NR
Salamova et al. 2016 ***HERO ID:*** *5163441* *OQD:* Medium	Sleeping Bear Dunes, MI, US Scenario: Atmospheric particles from United States Integrated AtmosphericDeposition Network remote site of Sleeping Bear Dunes (n = 67; DF = 0.64; Sampling Period: Mar., 2012 - Dec., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	NR	10th: 26 pg/m^3; 50th: 46 pg/m^3; 90th: 88 pg/m^3;	NR
Wong et al. 2018 ***HERO ID:*** *5163827* *OQD:* High	Stockholm University, Stockholm, SE Scenario: Outdoor air from urban area (n = 24; DF = 0.96; Sampling Period: Apr., 2014 - May, 2015)	LOD: 44.0 pg/m^3 LOQ: Not Reported	<LOD	2400 pg/m^3	800 pg/m^3 (AM)	50th: 640 pg/m^3;	630 pg/m^3 (ASD)
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Sonora, MX Scenario: PUF-PAS ambient air sample in agricultural locations in 2014 through 2015 (n = 4; DF = 1; Sampling Period: Jan., 2014 - Jan., 2015)	LOD: 50.0 pg/m^3 LOQ: Not Reported	87 pg/m^3	150 pg/m^3	129.25 pg/m^3 (AM)	50th: 140 pg/m^3;	28.56 pg/m^3 (ASD)
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Sonora, MX Scenario: PUF-PAS ambient air sample in agricultural locations in 2015 through 2016 (n = 5; DF = 1; Sampling Period: Jan., 2015 - Mar., 2016)	LOD: 20.0 pg/m^3 LOQ: Not Reported	22 pg/m^3	76 pg/m^3	54.60 pg/m^3 (AM)	50th: 54 pg/m^3;	22.11 pg/m^3 (ASD)
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Tapanti; Celestun; Manizales; Sao Jose dos Ausentes; Chacaltaya, BO,BR,CO,CR,MX Scenario: PUF-PAS ambient air sample in background locations in 2014 through 2015 (n = 12; DF = 0.92; Sampling Period: Jan., 2014 - Jan., 2015)	LOD: 50.0 pg/m^3 LOQ: Not Reported	<LOD	240 pg/m^3	114.3 pg/m^3 (AM)	10th: 63.7 pg/m^3; 25th: 70.8 pg/m^3; 50th: 109.5 pg/m^3; 75th: 152.5 pg/m^3; 90th: 169 pg/m^3;	63.2 pg/m^3 (ASD)
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Tapanti; Celestun; Manizales; Sao Jose dos Ausentes; Chacaltaya, BO,BR,CO,CR,MX Scenario: PUF-PAS ambient air sample in background locations in 2015 through 2016 (n = 16; DF = 0.9375; Sampling Period: Jan., 2015 - Mar., 2016)	LOD: 20.0 pg/m^3 LOQ: Not Reported	<LOD	562 pg/m^3	136.43 pg/m^3 (AM)	10th: 8.45 pg/m^3; 25th: 15.5 pg/m^3; 50th: 136 pg/m^3; 75th: 188.25 pg/m^3; 90th: 269.5 pg/m^3;	147.86 pg/m^3 (ASD)
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Sao Luis; Rio Gallegos; Concepcion, AR,BR,CL Scenario: PUF-PAS ambient air sample in urban locations in 2014 (n = 5; DF = 0.8; Sampling Period: Mar., 2014 - Dec., 2014)	LOD: 80.0 pg/m^3 LOQ: Not Reported	<LOD	360 pg/m^3	181.60 pg/m^3 (AM)	50th: 190 pg/m^3;	161.75 pg/m^3 (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
Rauert et al. 2018 ***HERO ID:*** *5386424* *OQD:* High	Sao Luis; Rio Gallegos; Concepcion, AR,BR,CL Scenario: PUF-PAS ambient air sample in urban locations in 2014 through 2016 (n = 8; DF = 1; Sampling Period: Dec., 2014 - Mar., 2016)	LOD: 20.0 pg/m^3 LOQ: Not Reported	52 pg/m^3	1924 pg/m^3	451.25 pg/m^3 (AM)	50th: 179 pg/m^3;	638.25 pg/m^3 (ASD)
Sühring et al. 2016 ***HERO ID:*** *5469544* *OQD:* High	Canadian Artic, CA Scenario: Land-Based Air (n = 18; DF = 0.94; Sampling Period: 2008 - 2012)	LOD: Not Reported LOQ: Not Reported	ND	433 pg/m^3	118 pg/m^3 (AM)	50th: 72 pg/m^3;	120 pg/m^3 (ASD)
Sühring et al. 2016 ***HERO ID:*** *5469544* *OQD:* High	Canadian Artic, CA Scenario: Ship-Based Air (n = 74; DF = 0.85; Sampling Period: 2007 - 2013)	LOD: Not Reported LOQ: Not Reported	ND	856 pg/m^3	187 pg/m^3 (AM)	50th: 128 pg/m^3;	181 pg/m^3 (ASD)
Maceira et al. 2020 ***HERO ID:*** *6816026* *OQD:* High	Tarragona Harbour, Tarragona, ES Scenario: Outdoor air samples from a large industrial harbor area (n = 12; DF = 0.75; Sampling Period: Sept., 2018 - Feb., 2019)	LOD: 1.4 pg/m^3 LOQ: 4.3 pg/m^3	<LOD	219 pg/m^3	63 pg/m^3 (AM)	50th: 32 pg/m^3;	NR
Maceira et al. 2020 ***HERO ID:*** *6816026* *OQD:* High	Constanti, Tarragona, ES Scenario: Outdoor air samples from a town surrounded by industrial activities (n = 12; DF = 0.46; Sampling Period: Sept., 2018 - Feb., 2019)	LOD: 1.4 pg/m^3 LOQ: 4.3 pg/m^3	<LOD	229 pg/m^3	26 pg/m^3 (AM)	50th: <LOD;	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
Santín et al. 2016 ***HERO ID:*** *5164308* *OQD:* High	Northwest of Spain, ES Scenario: Barbel from Llobregat River (n = 6; DF = 0.1667; Sampling Period: Feb., 2016)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	POINT VALUE(S): [134 ng/g; <LOD; <LOQ; <LOQ; <LOQ; <LOQ]				
Santín et al. 2016 ***HERO ID:*** *5164308* *OQD:* High	Northwest of Spain, ES Scenario: Carp from Llobregat River (n = 5; DF = 0.4; Sampling Period: Feb., 2016)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	POINT VALUE(S): [88.1 ng/g; 8.6 ng/g; <LOQ; <LOQ; <LOQ]				
Santín et al. 2016 ***HERO ID:*** *5164308* *OQD:* High	Northwest of Spain, ES Scenario: Trout from Llobregat River (n = 1; DF = 0; Sampling Period: Feb., 2016)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	POINT VALUE(S): [187 ng/g]				
Evenset et al. 2009 ***HERO ID:*** *6992056* *OQD:* Medium	Svalbard, NO Scenario: Fish liver (Atlantic cod, polar cod, artic char) (n = 3; DF = 1; Sampling Period: Summer, 2004 - Summer, 2008)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [13 ng/g; 13 ng/g; 26 ng/g]				
Evenset et al. 2009 ***HERO ID:*** *6992056* *OQD:* Medium	Svalbard, NO Scenario: Whole fish (Atlantic cod, polar cod, artic char) (n = 17; DF = 0.94; Sampling Period: Summer, 2008)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.5 ng/g; 1.6 ng/g; <1.5 ng/g; 1.8 ng/g; 2.3 ng/g; 2.3 ng/g; 2.5 ng/g; 3.4 ng/g; 4.8 ng/g; 7.4 ng/g; 3.6 ng/g; 1.5 ng/g; 1.7 ng/g; 2.4 ng/g; 3.2 ng/g; 2.2 ng/g; 6.7 ng/g]				
Evenset et al. 2009 ***HERO ID:*** *6992056* *OQD:* Medium	Svalbard, NO Scenario: Fish muscle (Atlantic cod, polar cod, artic char) (n = 5; DF = 1; Sampling Period: Summer, 2004 - Summer, 2008)	LOD: 0.47 ng/g LOQ: Not Reported	POINT VALUE(S): [5 ng/g; 4 ng/g; 0.5 ng/g; 2.9 ng/g; 4.5 ng/g]				
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Zooplankton from 1 site (n = 3; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Mysis from 1 site (n = 3; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: E. Smelt from 1 site (n = 10; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Vendace from 1 site (n = 10; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Brown trout from L.Mjøsa (n = 15; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Brown trout from L.Femunden (n = 10; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002468* *OQD:* High	Lake Mjøsa, Lake Femunden, NO Scenario: Brown trout, L.Mjøsa (n = 15; DF = 0; Sampling Period: May, 2018)	LOD: <0.5 ng/g LOQ: Not Reported	<LOD	NR	NR	NR	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Marine herring (n = 4; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	2 ng/g	3.4 ng/g	NR	50th: 2.7 ng/g;	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Marine perch (n = 2; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	43 ng/g	69 ng/g	NR	50th: 56 ng/g;	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Mollusk muscle/fillet, Marine mussels (4 mussels) (n = 2; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Mollusk muscle/fillet, Marine mussels (2 mussels) (n = 2; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	NR	NR	55 ng/g (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Marine eelpout (n = 1; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	NR	NR	59 ng/g (AM)	NR	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Marine salmon (n = 1; DF = 1; Sampling Period: Fall, 2005)	LOD: 2.8 ng/g LOQ: Not Reported	NR	NR	1.5 ng/g (AM)	NR	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Freshwater perch background (n = 7; DF = 0.57; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	ND	83 ng/g	NR	50th: 51 ng/g;	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish muscle/fillet, Freshwater perch near WWTP and airport (n = 3; DF = 1; Sampling Period: Fall, 2007)	LOD: 2.8 ng/g LOQ: Not Reported	39 ng/g	160 ng/g	NR	50th: 51 ng/g;	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Fish fillet/muscle, Freshwater Carp near WWTP (n = 1; DF = 1; Sampling Period: Fall, 2003)	LOD: 2.8 ng/g LOQ: Not Reported	NR	NR	23 ng/g (AM)	NR	NR
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Mollusk, whole sample, c.s. crab from industrial area near Western Scheldt estuary (n = 2; DF = 1; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.82 ng/g (AM)	50th: 0.82 ng/g;	0.15 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Invertebrate, whole sample, lugworm from industrial area near Western Scheldt estuary (n = 1; DF = 1; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.33 ng/g (AM)	50th: 0.33 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, sole from industrial area near Western Scheldt estuary (n = 4; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.21 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, plaice from industrial area near Western Scheldt estuary (n = 1; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.06 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, goby from industrial area near Western Scheldt estuary (n = 2; DF = 1; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	1 ng/g (AM)	50th: 1 ng/g;	0.33 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, sculpin from industrial area near Western Scheldt estuary (n = 2; DF = 1; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.46 ng/g (AM)	50th: 0.46 ng/g;	0.08 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Whole sample, phytoplankton from industrial area near Western Scheldt estuary (n = 2; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.42 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, herring from industrial area near Western Scheldt estuary (n = 5; DF = 0.6; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	1.6 ng/g (AM)	50th: 0.85 ng/g;	1.8 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Whole sample, Cnidaria/plankton (zooplankton/jellyfish) from industrial area near Western Scheldt estuary (n = 2; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.06 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Fish, whole sample, pouting from industrial area near Western Scheldt estuary (n = 5; DF = 0.2; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.36 ng/g (AM)	50th: 0.08 ng/g;	0.6 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Mollusk, whole sample, cockle from industrial area near Western Scheldt estuary (n = 3; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.06 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Guo et al. 2017 ***HERO ID:*** *3985267* *OQD:* High	Great Lakes basin, CA,US Scenario: Fish from the five Great Lakes (GL fish) (n = 14; DF = 0.21; Sampling Period: 2010)	LOD: 20.9 ng/g LOQ: Not Reported	<LOD	45.1 ng/g	<LOD	10th: <LOD; 25th: <LOD; 50th: <LOD; 75th: <LOD; 90th: 34.52 ng/g;	11.69 ng/g (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Whole body of capelin fish (n = 10; DF = 0.7; Sampling Period: Jun., 2009)	LOD: Not Reported LOQ: Not Reported	<LOD	9.41 ng/g	NR	50th: 7.81 ng/g;	0.6 ng/g (SE)
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Plasma of harbour seal (n = 10; DF = 0.1; Sampling Period: Aug., 2009)	LOD: Not Reported LOQ: Not Reported	<LOD	3.51 ng/g	NR	50th: 3.51 ng/g;	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Blubber of ringed seal (n = 10; DF = 0; Sampling Period: Apr., 2010)	LOD: 4.5 ng/g LOQ: Not Reported	NR	NR	ND	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (summer) (n = 20; DF = 0; Sampling Period: Jul., 2016)	LOD: 1.2 ng/g LOQ: 3.5 ng/g	NR	NR	<LOQ	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (fall) (n = 20; DF = 0; Sampling Period: Nov., 2016)	LOD: 1.2 ng/g LOQ: 3.5 ng/g	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (winter) (n = 20; DF = 0; Sampling Period: Jan., 2017)	LOD: 1.2 ng/g LOQ: 3.5 ng/g	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Oysters from farming area (spring) (n = 20; DF = 0; Sampling Period: May, 2017)	LOD: 1.2 ng/g LOQ: 3.5 ng/g	NR	NR	<LOD	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Athabasca (n = 3; DF = 0.667; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	0.76 ng/g (AM)	50th: 0.74 ng/g;	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Boundary Reservoir (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Codette Reservoir (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Columbia Reservoir (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Cold Lake (n = 3; DF = 0.667; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	1.4 ng/g (AM)	50th: 1.3 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 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Lake Diefenbaker (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Erie East Basin (n = 9; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Lake Erie West Basin (n = 11; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Edouard (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Great Bear Lake (n = 3; DF = 1; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	50th: <LOQ;	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Kusawa (n = 3; DF = 0.667; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	1.4 ng/g (AM)	50th: 0.34 ng/g;	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Ontario Niagra/Credit (n = 12; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Reindeer Lake (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Lake trout from Lake Ontario Cobourg (n = 4; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from St. Lawrence Reservoir (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Mcgoldrick et al. 2014 ***HERO ID:*** *5469297* *OQD:* Medium	Across all of Canada, CA Scenario: Walleye from Lake Winnipeg (n = 3; DF = 0; Sampling Period: Jun., 2009 - Dec., 2010)	LOD: 0.03 ng/g LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Muscle from 10 crucian carp from upstream of a river with potential pollution from industrial facilities (n = 20; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.06 ng/g LOQ: Not Reported	0.688 ng/g	1.06 ng/g	NR	50th: 0.831 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Liver from 10 crucian carp from upstream of a river with potential pollution from industrial facilities (n = 10; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.22 ng/g LOQ: Not Reported	1.31 ng/g	2.96 ng/g	NR	50th: 1.92 ng/g;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Whole blood from 10 crucian carp from upstream of a river with potential pollution from industrial facilities (n = 10; DF = 0.9; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.18 ng/mL LOQ: Not Reported	<LOD	3.65 ng/mL	NR	50th: 1.1 ng/mL;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Gonads from20 crucian carp from upstream of a river with potential pollution from industrial facilities (n = 10; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.09 ng/g LOQ: Not Reported	0.744 ng/g	1.91 ng/g	NR	50th: 1.01 ng/g;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Muscle from 10 crucian carp from midstream of a river with potential pollution from industrial facilities (n = 10; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.06 ng/g LOQ: Not Reported	1.03 ng/g	0.53 ng/g	NR	50th: 0.828 ng/g;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Liver from 10 crucian carp from midstream of a river with potential pollution from industrial facilities (n = 10; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.22 ng/g LOQ: Not Reported	1.44 ng/g	2.7 ng/g	NR	50th: 1.76 ng/g;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Whole blood from 10 crucian carp from midstream of a river with potential pollution from industrial facilities (n = 10; DF = 0.9; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.18 ng/mL LOQ: Not Reported	<LOD	13.7 ng/mL	NR	50th: 2.63 ng/mL;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Gonads from 10 crucian carp from midstream of a river with potential pollution from industrial facilities (n = 10; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.09 ng/g LOQ: Not Reported	0.544 ng/g	1.34 ng/g	NR	50th: 0.857 ng/g;	NR
Sala et al. 2019 ***HERO ID:*** *5469393* *OQD:* Low	Coast of the Alboran Sea, Andalusia, ES Scenario: Blubber from one stranded dolphin (n = 9; DF = 0.11; Sampling Period: 2004 - 2010)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	<LOD	38.1 ng/g	4.85 ng/g (AM)	50th: <LOD;	12.47 ng/g (ASD)
Sala et al. 2019 ***HERO ID:*** *5469393* *OQD:* Low	Coast of the Alboran Sea, Andalusia, ES Scenario: Muscle from one stranded dolphin (n = 10; DF = 0.1; Sampling Period: 2004 - 2010)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	<LOD	32 ng/g	<LOQ	50th: <LOD;	9.9 ng/g (ASD)
Sala et al. 2019 ***HERO ID:*** *5469393* *OQD:* Low	Coast of the Alboran Sea, Andalusia, ES Scenario: Liver from one stranded dolphin (n = 9; DF = 0.44; Sampling Period: 2004 - 2010)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	<LOD	115 ng/g	28.91 ng/g (AM)	50th: <LOD;	43.88 ng/g (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
Sala et al. 2019 ***HERO ID:*** *5469393* *OQD:* Low	Coast of the Alboran Sea, Andalusia, ES Scenario: Kidney from one stranded dolphin (n = 10; DF = 0; Sampling Period: 2004 - 2010)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	NR	NR	ND	NR	NR
Sala et al. 2019 ***HERO ID:*** *5469393* *OQD:* Low	Coast of the Alboran Sea, Andalusia, ES Scenario: Brain from one stranded dolphin (n = 5; DF = 0.4; Sampling Period: 2004 - 2010)	LOD: 1.39 ng/g LOQ: 4.64 ng/g	<LOD	23 ng/g	9.06 ng/g (AM)	50th: <LOD;	11.49 ng/g (ASD)

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
FDA et al. 1995 ***HERO ID:*** *659041* *OQD:* Medium	Across all of US, US Scenario: Ready-to-eat peach from ten-year study (n = 37; DF = 0.05; Sampling Period: 1982 - 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.1130 µg/g (AM)	NR	NR
FDA et al. 1995 ***HERO ID:*** *659041* *OQD:* Medium	Across all of US, US Scenario: Ready-to-eat plum from ten-year study (n = 37; DF = 0.03; Sampling Period: 1982 - 1991)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.0070 µg/g (AM)	NR	NR
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Milk (LC) purchased from Belgian food stores (n = 10; DF = 0; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.45 ng/g	NR	NR	<LOQ	NR	NR
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Baby food (BC) purchased from Belgian food stores (n = 17; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.34 ng/g	<LOQ	4.06 ng/g	0.4 ng/g (AM)	50th: <LOQ;	0.94 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Dessert (DC) purchased from Belgian food stores (n = 3; DF = 0; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.43 ng/g	NR	NR	<LOQ	NR	NR
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Other food (OTC) purchased from Belgian food stores (n = 4; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.44 ng/g	<LOQ	1.97 ng/g	0.72 ng/g (AM)	50th: <LOQ;	0.84 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Crustaceans (CC) purchased from Belgian food stores (n = 5; DF = 0; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.07 ng/g	NR	NR	<LOQ	NR	NR
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Fish (FC) purchased from Belgian food stores (n = 45; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.04 ng/g	<LOQ	1.48 ng/g	0.13 ng/g (AM)	50th: 0.05 ng/g;	0.26 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Mussels (MC) purchased from Belgian food stores (n = 3; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	0.09 ng/g	0.04 ng/g (AM)	50th: 0.03 ng/g;	0.04 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Potatoes (POC) purchased from Belgian food stores (n = 4; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.1 ng/g	<LOQ	0.88 ng/g	0.38 ng/g (AM)	50th: 0.3 ng/g;	0.37 ng/g (ASD)

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Table 3 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Grains (GRAC) purchased from Belgian food stores (n = 7; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.09 ng/g	<LOQ	2.82 ng/g	0.61 ng/g (AM)	50th: 0.29 ng/g;	1 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Meat (MEC) purchased from Belgian food stores (n = 34; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.14 ng/g	<LOQ	0.97 ng/g	0.2 ng/g (AM)	50th: <LOQ;	0.24 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Cheese (CHC) purchased from Belgian food stores (n = 17; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.21 ng/g	<LOQ	2.78 ng/g	0.71 ng/g (AM)	50th: 0.27 ng/g;	0.89 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Eggs (EGC) purchased from Belgian food stores (n = 4; DF = 0.4-1; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.02 ng/g	<LOQ	0.08 ng/g	0.03 ng/g (AM)	50th: <LOQ;	0.03 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Fats and Oils (FAT-OC) purchased from Belgian food stores (n = 10; DF = 0.4; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 2.55 ng/g	<LOQ	11.01 ng/g	2.57 ng/g (AM)	50th: <LOQ;	3.14 ng/g (ASD)
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* High	Brussels, Antwerp and Dessel, BE Scenario: Vegetables (VEC) purchased from Belgian food stores (n = 2; DF = 0; Sampling Period: Apr., 2015 - Nov., 2016)	LOD: Not Reported LOQ: 0.01 ng/g	NR	NR	<LOQ	NR	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Cereals sold in a Swedish market (n = 5; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.5 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Pastries sold in a Swedish market (n = 2; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.5 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Meat sold in a Swedish market (n = 5; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.2 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Fish sold in a Swedish market (n = 5; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.2 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Fluid dairy sold in a Swedish market (n = 4; DF = 0.5; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.1 ng/g	NR	0.22 ng/g	0.13 ng/g (AM)	50th: 0.12 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Solid dairy sold in a Swedish market (n = 5; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.3 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Eggs sold in a Swedish market (n = 4; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.15 ng/g	<LOQ	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Fats and oils sold in a Swedish market (n = 4; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 2.0 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Vegetables sold in a Swedish market (n = 5; DF = 1; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.3 ng/g	0.32 ng/g	0.51 ng/g	0.41 ng/g (AM)	50th: 0.45 ng/g;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Fruits sold in a Swedish market (n = 5; DF = 0.2; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.15 ng/g	NR	0.16 ng/g	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Potatoes sold in a Swedish market (n = 4; DF = 0.25; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.15 ng/g	NR	0.26 ng/g	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Sugars and sweets sold in a Swedish market (n = 2; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.45 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE Scenario: Beverages sold in a Swedish market (n = 2; DF = 0; Sampling Period: May, 2015 - Jun., 2015)	LOD: Not Reported LOQ: 0.45 ng/g	NR	<LOQ	<LOQ	50th: <LOQ;	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Cereal foods (metabolite) (n = 12; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Fruits purchased from stores (metabolite) (n = 15; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Vegetable samples purchased from stores (metabolite) (n = 15; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR

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Table 3 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Dairy products (metabolite) (n = 9; DF = 0.33; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	<LOD	10 ng/g	1.41 ng/g (AM)	50th: <LOD;	3.32 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Eggs purchased from stores (metabolite) (n = 3; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Meat purchased from stores (metabolite) (n = 12; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Fish and seafood purchased from stores (metabolite) (n = 9; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.004 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Beverages purchased from stores (metabolite) (n = 10; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.0013 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Cereal foods (n = 12; DF = 0.67; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	1.5 ng/g	0.33 ng/g (AM)	10th: <LOD; 25th: <LOD; 50th: 0.1585 ng/g; 75th: 0.5075 ng/g; 90th: 0.632 ng/g;	0.43 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Vegetable samples purchased from stores (n = 15; DF = 0.6; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	0.18 ng/g	0.08 ng/g (AM)	10th: <LOD; 25th: <LOD; 50th: 0.082 ng/g; 75th: 0.11 ng/g; 90th: 0.14 ng/g;	0.05 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Dairy products (n = 9; DF = 0.56; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	0.16 ng/g	0.08 ng/g (AM)	50th: 0.067 ng/g;	0.05 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Meat purchased from stores (n = 12; DF = 0.25; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	0.35 ng/g	0.07 ng/g (AM)	10th: <LOD; 25th: <LOD; 50th: <LOD; 75th: <LOD; 90th: 0.0954 ng/g;	0.09 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Fish and seafood purchased from stores (n = 9; DF = 0.22; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	0.13 ng/g	<LOD	50th: <LOD;	0.04 ng/g (ASD)

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Table 3 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Eggs purchased from stores (n = 3; DF = 0.33; Sampling Period: Mar., 2018)	LOD: 0.06 ng/g LOQ: Not Reported	<LOD	0.5 ng/g	0.19 ng/g (AM)	50th: <LOD;	0.27 ng/g (ASD)
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Beverages purchased from stores (n = 12; DF = 0.083; Sampling Period: Mar., 2018)	LOD: 0.021 ng/g LOQ: Not Reported	<LOD	0.17 ng/g	0.02 ng/g (AM)	10th: <LOD; 25th: <LOD; 50th: <LOD; 75th: <LOD; 90th: <LOD;	0.05 ng/g (ASD)

‡ Data extraction results are for metabolite concentrations.

Table 4: Data Extraction Tables of Exposure Monitoring Studies for Drinking Water

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Source drinking water (plant intake) samples at United States CWS - Oct 2002-March 2004 (n = 145; DF = 0.35; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 μg/L LOQ: Not Reported	NR	0.14 μg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Source drinking water (plant intake) samples at United States CWS - June 2004-August 2005 (n = 96; DF = 0.33; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 μg/L LOQ: Not Reported	NR	0.26 μg/L	NR	NR	NR
Kingsbury et al. 2008 ***HERO ID:*** *3364193* *OQD:* High	Clackamas River, OR; Truckee River, CA; Cache la Poudre River, CO; Elm Fork Trinity River, TX; Chattahoochee River, GA; White River, IN; Potomac River, VA; Running Gutter Brook, MA; Neuse River, NC, US Scenario: Finished drinking water (plant finished water) samples at United States CWS - June 2004-August 2005 (n = 96; DF = 0.31; Sampling Period: Oct., 2002 - Mar., 2004)	LOD: 0.5 μg/L LOQ: Not Reported	NR	0.22 μg/L	NR	NR	NR
Focazio et al. 2008 ***HERO ID:*** *3559503* *OQD:* Medium	26 States and Territories, PR,US Scenario: Source water for drinking water treatment plants in 26 sites (n = 73; DF = 0.203; Sampling Period: Summer, 2001)	LOD: 0.1 μg/L LOQ: 0.5 μg/L	NR	<LOQ	NR	NR	NR
Valcarcel et al. 2018 ***HERO ID:*** *5469210* *OQD:* Medium	Titulcia, MR (Madrid Region), ES Scenario: Treated drinking water from site 1 (n = 7; DF = 0.71; Sampling Period: Nov., 2013)	LOD: 0.03 ng/L LOQ: 0.11 ng/L	1.70 ng/L	266.55 ng/L	NR	50th: 42.04 ng/L;	NR
Valcarcel et al. 2018 ***HERO ID:*** *5469210* *OQD:* Medium	Alcorcon, MR (Madrid Region), ES Scenario: Treated drinking water from site 2 (n = 7; DF = 0.86; Sampling Period: Nov., 2013)	LOD: 0.03 ng/L LOQ: 0.11 ng/L	1.58 ng/L	199.60 ng/L	NR	50th: 44.30 ng/L;	NR
Valcarcel et al. 2018 ***HERO ID:*** *5469210* *OQD:* Medium	Madrid, Ciudad Lineal, ES Scenario: Treated drinking water from site 3 (n = 7; DF = 0.71; Sampling Period: Nov., 2013)	LOD: 0.03 ng/L LOQ: 0.11 ng/L	2.47 ng/L	17.17 ng/L	NR	50th: 13.11 ng/L;	NR
Valcarcel et al. 2018 ***HERO ID:*** *5469210* *OQD:* Medium	Aranjuez, MR (Madrid Region), ES Scenario: Treated drinking water from site 4 (n = 7; DF = 0.71; Sampling Period: Nov., 2013)	LOD: 0.03 ng/L LOQ: 0.11 ng/L	6.29 ng/L	107.39 ng/L	NR	50th: 8.43 ng/L;	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
Yasuhara et al. 1994 ***HERO ID:*** *5469582* *OQD:* Medium	Central and North-eastern part of Japan, JP Scenario: Tap water from National Institute of Environmental Studies in Japan (n = 1; DF = 0; Sampling Period: 1994)	LOD: 67.5 ng/L LOQ: 225.0 ng/L	NR	NR	ND	NR	NR
Loraine et al. 2006 ***HERO ID:*** *5743010* *OQD:* Medium	San Diego County, CA, US Scenario: 3 WFP effluent (finished drinking water) (n = 15; DF = 0; Sampling Period: Aug., 2001 - Jun., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Loraine et al. 2006 ***HERO ID:*** *5743010* *OQD:* Medium	San Diego County, CA, US Scenario: 4 WFP intake (raw water) (n = 13; DF = 0; Sampling Period: Aug., 2001 - Jun., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Rodil et al. 2012 ***HERO ID:*** *1250860* *OQD:* Medium	The A Coruna metro area and town of Ponteceso in the Northwest region, ES Scenario: Tap water from 5 homes and finished drinking water from 1 DWTP (n = 24; DF = 0.71; Sampling Period: Nov., 2007 - Sept., 2008)	LOD: Not Reported LOQ: 0.004 µg/L	0.001 µg/L	0.024 µg/L	0.005 µg/L (AM)	25th: 0.001 µg/L; 50th: 5.0 ng/L; 75th: 0.01 µg/L;	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Sault Ste. Marie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Sault Ste. Marie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Amherstburg - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Amherstburg - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Fort Erie - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.0 ng/L; 1.3 ng/L]				

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Table 4 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Fort Erie - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.7 ng/L; 1.3 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Burlington - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.6 ng/L; 2.6 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Burlington - Summer and Winter (n = 2; DF = 0.5; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.6 ng/L; ND]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated drinking water supply from Cornwall - Summer and Winter (n = 2; DF = 1.0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.6 ng/L; 1.7 ng/L]				
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw drinking water supply from Cornwall - Summer and Winter (n = 2; DF = 1.0; Sampling Period: winter, 1983)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.8 ng/L; 3.7 ng/L]				
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Medium	Seoul; Incheon; Daejeon; Gwangju; Daegu; Ulsan; Busan; Ansan, KR Scenario: Drinking water (tap, purified, and bottled) from major cities (n = 127; DF = 0.75; Sampling Period: Aug., 2014 - Sept., 2014)	LOD: 0.70 ng/L LOQ: Not Reported	<LOD	1400.0 ng/L	38.8 ng/L (AM)	50th: 8.83 ng/L; 95th: 129.0 ng/L;	128.0 ng/L (ASD)
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Finished water from principal aquifers across the United States (n = 57; DF = 0.018; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	0.099 μg/L	NR	NR	NR
Padhye et al. 2014 ***HERO ID:*** *4253347* *OQD:* High	Metropolitan area in Southeastern region, US Scenario: Finished drinking water in clearwell (SW5) (n = 8; DF = 0.88; Sampling Period: Dec., 2009 - Dec., 2010)	LOD: 0.5-10 ng/L LOQ: Not Reported	0.0 ng/L	20.4 ng/L	6.6 ng/L (AM)	50th: 3.7 ng/L;	109.0 % (CV)
He et al. 2018 ***HERO ID:*** *5423396* ‡ *OQD:* Medium *BCEP*	Brisbane, southeast Queensland, AU Scenario: Tap water from houses (metabolite) (n = 5; DF = 0.2; Sampling Period: Mar., 2018)	LOD: 0.0013 ng/g LOQ: Not Reported	0.00065 ng/g	0.26 ng/g	0.05 ng/g (AM)	50th: 0.00065 ng/g;	0.12 ng/g (ASD)

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Table 4 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	Brisbane, southeast Queensland, AU Scenario: Tap water from houses (n = 5; DF = 0; Sampling Period: Mar., 2018)	LOD: 0.021 ng/g LOQ: Not Reported	0.0105 ng/g	0.0105 ng/g	0.01 ng/g (AM)	50th: 0.0105 ng/g;	0.0 ng/g (ASD)

‡ Data extraction results are for metabolite concentrations.

Table 5: Data Extraction Tables of Exposure Monitoring Studies for Dust (Indoor)

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Medium	Western Germany, DE Scenario: House dust analyzed by Laboratory #1 (n = 356; DF = >0.5; Sampling Period: 2001)	LOD: 0.4 mg/kg LOQ: Not Reported	NR	64 mg/kg	2.23 mg/kg (AM); 0.67 mg/kg (GM)	10th: <LOD; 50th: 0.6 mg/kg; 90th: 4 mg/kg; 95th: 8.8 mg/kg; 98th: 20 mg/kg;	NR
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Medium	Western Germany, DE Scenario: House dust analyzed by Laboratory #2 (n = 541; DF = >0.5; Sampling Period: 2001)	LOD: 0.1 mg/kg LOQ: Not Reported	NR	121 mg/kg	2.24 mg/kg (AM); 0.64 mg/kg (GM)	10th: <LOD; 50th: 0.6 mg/kg; 90th: 4 mg/kg; 95th: 7.5 mg/kg; 98th: 16 mg/kg;	NR
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Medium	Western Germany, DE Scenario: House dust analyzed by Laboratory #3 (n = 86; DF = 1; Sampling Period: 2001)	LOD: 0.1 mg/kg LOQ: Not Reported	NR	94 mg/kg	3.75 mg/kg (AM); 0.89 mg/kg (GM)	10th: 0.16 mg/kg; 50th: 0.77 mg/kg; 90th: 5.8 mg/kg; 95th: 12 mg/kg; 98th: 18 mg/kg;	NR
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor dust in 10 homes (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	33 μg/g	7.6 μg/g (AM)	50th: 2.1 μg/g;	NR
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor dust in 10 day cares (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	2.5 μg/g	150 μg/g	51 μg/g (AM)	50th: 30 μg/g;	NR
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor dust in 10 workplaces (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	1.3 μg/g	260 μg/g	36 μg/g (AM)	50th: 6.7 μg/g;	NR
Wallner et al. 2012 ***HERO ID:*** *1313395* *OQD:* Medium	Vienna; Graz; St. Polten; Carinthia, AT Scenario: Indoor dust from 9 urban and rural elementary schools (n = 36; DF = 1; Sampling Period: Fall, 2012 - Spring, 2013)	LOD: Not Reported LOQ: Not Reported	0.6 mg/kg	35 mg/kg	NR	50th: 2.5 mg/kg;	NR
Van den Eede et al. 2012 ***HERO ID:*** *1927614* *OQD:* Medium	Various locations, BE,RO,ES Scenario: Indoor dust vacuumed from European homes (n = 12; DF = 1; Sampling Period: 2006 - 2010)	LOD: Not Reported LOQ: 110 ng/g	POINT VALUE(S): [<LOQ; 147 ng/g; <LOQ; 141 ng/g; <LOQ; <LOQ; <LOQ; 1450 ng/g; 1310 ng/g; 1350 ng/g; 205 ng/g; 285 ng/g]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 2 homes (n = 2; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [0.27 mg/kg; 0.19 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 5 commercial buildings (n = 5; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [48 mg/kg; 94 mg/kg; 0.85 mg/kg; 1 mg/kg; 3.9 mg/kg]				

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 1 day care center (n = 1; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [0.82 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from corridors and sofas from 1 university lobby (n = 1; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [1.6 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 1 healthcare center (n = 2; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [3.8 mg/kg; 1 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 1 aircraft (n = 1; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [4.2 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 1 prison (cells and corridors) (n = 2; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	NR	NR	8.2 mg/kg (AM)	NR	NR
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Dust from 1 radio shop (n = 2; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	NR	NR	1.4 mg/kg (AM)	NR	NR
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Handpicked dust from 1 textile shop (n = 1; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [0.37 mg/kg]				
Marklund et al. 2003 ***HERO ID:*** *2919501* *OQD:* Medium	Not Reported, SE Scenario: Wiped dust from computer screen and cover (n = 2; DF = 1; Sampling Period: 2003)	LOD: 0.007 - 0.06 mg/kg LOQ: Not Reported	POINT VALUE(S): [220 ng/m2; 210 ng/m2]				
Castorina et al. 2017 ***HERO ID:*** *3864462* *OQD:* High	Salinas Valley, CA, US Scenario: Dust from households with pregnant women (n = 125; DF = 1; Sampling Period: 2000 - 2001)	LOD: 27.9 ng/g LOQ: Not Reported	111.6 ng/g	157000 ng/g	1067 ng/g (GM)	25th: 414.7 ng/g; 50th: 1079 ng/g; 75th: 2216 ng/g; 90th: 5070 ng/g;	NR
Castorina et al. 2017 ***HERO ID:*** *3864462* *OQD:* High	Salinas Valley, CA, US Scenario: Dust loading from households with pregnant women (n = 125; DF = 1; Sampling Period: 2000 - 2001)	LOD: Not Reported LOQ: Not Reported	355.2 ng/m2	1243900 ng/m2	7628.2 ng/m2 (GM)	25th: 1897.3 ng/m2; 50th: 7062.8 ng/m2; 75th: 24431 ng/m2; 90th: 68465 ng/m2;	NR
Sugeng et al. 2017 ***HERO ID:*** *3975074* *OQD:* High	Zwolle; Purmerend; Den Helder, NL Scenario: Floor dust from main living area of 14 homes with toddlers (n = 14; DF = 1; Sampling Period: Aug., 2013 - Oct., 2013)	LOD: Not Reported LOQ: Not Reported	19 ng/g	5660 ng/g	NR	50th: 157 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sugeng et al. 2017 ***HERO ID:*** *3975074* *OQD:* High	Zwolle; Purmerend; Den Helder, NL Scenario: Surface dust from main living area of 14 homes with toddlers (n = 14; DF = 0.64; Sampling Period: Aug., 2013 - Oct., 2013)	LOD: <58 ng/g LOQ: Not Reported	<LOD	1133 ng/g	NR	50th: 205 ng/g;	NR
Hoffman et al. 2017 ***HERO ID:*** *4161719* *OQD:* Medium	Durham, NC, US Scenario: Dust from living area of 70 PTC patient homes within 50 miles from Duke University (n = 70; DF = NR; Sampling Period: Apr., 2014 - Jan., 2016)	LOD: Not Reported LOQ: Not Reported	0 ng/g	1829.18 ng/g	NR	25th: 234.88 ng/g; 50th: 455.52 ng/g; 75th: 932.38 ng/g;	NR
Hoffman et al. 2017 ***HERO ID:*** *4161719* *OQD:* Medium	Durham, NC, US Scenario: Dust from living area of 70 control patient homes within 50 miles from Duke University (n = 70; DF = NR; Sampling Period: Apr., 2014 - Jan., 2016)	LOD: Not Reported LOQ: Not Reported	0 ng/g	1295.37 ng/g	NR	25th: 185.05 ng/g; 50th: 284.7 ng/g; 75th: 690.39 ng/g;	NR
Velázquez-Gómez et al. 2019 ***HERO ID:*** *5043338* *OQD:* Medium	Barcelona, ES Scenario: Settled indoor dust from 11 homes (n = 11; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	23 ng/g	244 ng/g	NR	50th: 96 ng/g;	NR
Velázquez-Gómez et al. 2019 ***HERO ID:*** *5043338* *OQD:* Medium	Barcelona, ES Scenario: Settled indoor dust from 4 museums (n = 6; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	88 ng/g	3718 ng/g	NR	50th: 265 ng/g;	NR
Velázquez-Gómez et al. 2019 ***HERO ID:*** *5043338* *OQD:* Medium	Barcelona, ES Scenario: Settled indoor dust from 14 cars (n = 14; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	39 ng/g	26084 ng/g	NR	50th: 312 ng/g;	NR
Velázquez-Gómez et al. 2019 ***HERO ID:*** *5043338* *OQD:* Medium	Barcelona, ES Scenario: Settled indoor dust from 17 public libraries (n = 21; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	37 ng/g	972 ng/g	NR	50th: 116 ng/g;	NR
Velázquez-Gómez et al. 2019 ***HERO ID:*** *5043338* *OQD:* Medium	Barcelona, ES Scenario: Settled indoor dust from 6 high schools (n = 6; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: Not Reported	53 ng/g	2935 ng/g	NR	50th: 412 ng/g;	NR
Phillips et al. 2018 ***HERO ID:*** *5163584* *OQD:* High	Various locations, US Scenario: Dust from homes with children enrolled in TESIE cohort (n = 188; DF = 0.984; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 18.7 ng/g LOQ: Not Reported	NR	167532 ng/g	864.1 ng/g (GM)	10th: 216.8 ng/g; 90th: 3511 ng/g;	NR
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* Medium	Kuopio, Northern Savonia, FI Scenario: Vacuumed floor dust from 40 bedrooms (n = 40; DF = 1; Sampling Period: 2019)	LOD: Not Reported LOQ: 3 ng/g	NR	14000 ng/g	1110 ng/g (AM)	50th: 663 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Brommer et al. 2012 ***HERO ID:*** *5164389* *OQD:* High	Not Reported, DE Scenario: Indoor surface dust from living room in a single home (n = 6; DF = NR; Sampling Period: Dec., 2010 - Jan., 2011)	LOD: Not Reported LOQ: 80 ng/g	140 ng/g	280 ng/g	200 ng/g (AM)	NR	NR
Brommer et al. 2012 ***HERO ID:*** *5164389* *OQD:* High	Not Reported, DE Scenario: Indoor surface dust from 12 cars (n = 12; DF = NR; Sampling Period: Dec., 2010 - Jan., 2011)	LOD: Not Reported LOQ: 80 ng/g	<LOQ	5800 ng/g	950 ng/g (AM)	50th: 280 ng/g;	NR
Brommer et al. 2012 ***HERO ID:*** *5164389* *OQD:* High	Not Reported, DE Scenario: Indoor surface dust from 10 offices in a single building (n = 10; DF = NR; Sampling Period: Dec., 2010 - Jan., 2011)	LOD: Not Reported LOQ: 80 ng/g	<LOQ	170 ng/g	120 ng/g (AM)	NR	NR
Tan et al. 2019 ***HERO ID:*** *5184432* ‡ *OQD:* High *BCEP*	Guangzhou, CN Scenario: Floor dust from 30 households (BCEP data) (n = 30; DF = 0; Sampling Period: Jan., 2019)	LOD: Not Reported LOQ: 16 ng/g	NR	NR	<LOQ	NR	NR
Tan et al. 2019 ***HERO ID:*** *5184432* ‡ *OQD:* High *BCEP*	Carbondale, Illinois, US Scenario: Floor dust from 17 households (BCEP data) (n = 17; DF = 0; Sampling Period: Jan., 2019)	LOD: Not Reported LOQ: 16 ng/g	NR	NR	<LOQ	NR	NR
Tan et al. 2019 ***HERO ID:*** *5184432* *OQD:* High	Guangzhou, CN Scenario: Floor dust from 30 households (n = 30; DF = 1; Sampling Period: Jan., 2019)	LOD: Not Reported LOQ: 10 ng/g	95.6 ng/g	1470 ng/g	NR	50th: 417 ng/g;	NR
Tan et al. 2019 ***HERO ID:*** *5184432* *OQD:* High	Carbondale, Illinois, US Scenario: Floor dust from 17 households (n = 17; DF = 1; Sampling Period: Jan., 2019)	LOD: Not Reported LOQ: 10 ng/g	85.6 ng/g	1820 ng/g	NR	50th: 319 ng/g;	NR
Kanazawa et al. 2010 ***HERO ID:*** *697390* *OQD:* Medium	Sapporo, JP Scenario: Dust from multi-surfaces of residential detached homes (n = 41; DF = 0.927; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 1.3 mg/kg LOQ: Not Reported	<LOD	70.7 mg/kg	NR	50th: 9.8 mg/kg;	NR
Kanazawa et al. 2010 ***HERO ID:*** *697390* *OQD:* Medium	Sapporo, JP Scenario: Dust from floor of residential detached homes (n = 41; DF = 0.976; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 1.3 mg/kg LOQ: Not Reported	<LOD	308 mg/kg	NR	50th: 7.5 mg/kg;	NR
Fang et al. 2013 ***HERO ID:*** *1676728* *OQD:* Medium	Boston, MA, US Scenario: Dust samples from cars (n = 20; DF = 0.95; Sampling Period: 2009)	LOD: Not Reported LOQ: 20 ng/g	<LOQ	50120 ng/g	NR	50th: 1080 ng/g;	NR
Fang et al. 2013 ***HERO ID:*** *1676728* *OQD:* Medium	Boston, MA, US Scenario: House dust from bedrooms (n = 20; DF = 0.48; Sampling Period: 2009)	LOD: Not Reported LOQ: 20 ng/g	<LOQ	1350 ng/g	NR	50th: 50.2 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Medium	Wellington; Wairarapa; Christchurch; North Canterbury, NZ Scenario: Floor dust of 34 homes (n = 34; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: 20 ng/g	20 ng/g	7605 ng/g	152 ng/g (AM)	5th: 20 ng/g; 50th: 110 ng/g; 95th: 425 ng/g;	125 ng/g (ASD)
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Medium	Wellington; Wairarapa; Christchurch; North Canterbury, NZ Scenario: Dust from mattresses of 16 homes (n = 16; DF = 0.94; Sampling Period: 2012)	LOD: Not Reported LOQ: 20 ng/g	<LOQ	475 ng/g	60 ng/g (AM)	5th: 20 ng/g; 50th: 38 ng/g; 95th: 146 ng/g;	48 ng/g (ASD)
Shin et al. 2014 ***HERO ID:*** *2215665* *OQD:* High	Northern California, Southeast Pennsylvania, Northeast Maryland, US Scenario: Dust from the living rooms of homes (n = 30; DF = 1; Sampling Period: 2009 - 2010)	LOD: 0.001 μg/g LOQ: Not Reported	NR	7.2 μg/g	1.1 μg/g (AM)	50th: 0.5 μg/g;	1.4 μg/g (ASD)
Stapleton et al. 2014 ***HERO ID:*** *2343712* *OQD:* High	North Carolina, US Scenario: Dust from hardwood and carpeted floors of 30 homes (n = 30; DF = 1; Sampling Period: Spring, 2012)	LOD: Not Reported LOQ: Not Reported	20 ng/g	6920 ng/g	348 ng/g (GM)	NR	NR
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Household dust from the primary living areas in 20 homes (n = 20; DF = 0.95; Sampling Period: 2011 - 2012)	LOD: 1 ng/g LOQ: Not Reported	<LOD	25700 ng/g	2660 ng/g (AM)	50th: 1380 ng/g;	NR
Fromme et al. 2014 ***HERO ID:*** *2537005* *OQD:* Medium	Bavaria, Berlin and North Rhine-Westphalia, DE Scenario: Dust from daycare centers' floors (n = 63; DF = 1; Sampling Period: Nov., 2011 - May, 2012)	LOD: Not Reported LOQ: 0.2 mg/kg	<LOQ	8.3 mg/kg	1.35 mg/kg (AM)	50th: 0.4 mg/kg; 95th: 4.9 mg/kg;	NR
Bradman et al. 2014 ***HERO ID:*** *2539068* *OQD:* High	Monterey and Alameda counties of California, US Scenario: Dust from the carpet of 39 early childhood education centers (n = 39; DF = 1; Sampling Period: May, 2010 - May, 2011)	LOD: 1 ng/g LOQ: Not Reported	NR	6834.9 ng/g	935.9 ng/g (AM)	25th: 203.1 ng/g; 50th: 319.1 ng/g; 75th: 663.5 ng/g; 95th: 6750.7 ng/g;	1580.2 ng/g (ASD)
Brandsma et al. 2014 ***HERO ID:*** *2540527* *OQD:* Medium	Not Reported, NL Scenario: Dust on electronics in 8 homes (n = 8; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: 70 ng/g	520 ng/g	2200 ng/g	NR	50th: 880 ng/g;	NR
Brandsma et al. 2014 ***HERO ID:*** *2540527* *OQD:* Medium	Not Reported, NL Scenario: Dust on surfaces around electronics in 8 homes (n = 8; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: 70 ng/g	220 ng/g	6900 ng/g	NR	50th: 1300 ng/g;	NR
Brandsma et al. 2014 ***HERO ID:*** *2540527* *OQD:* Medium	Not Reported, NL Scenario: Dust on dashboard of 8 cars (n = 8; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: 70 ng/g	1100 ng/g	5700 ng/g	NR	50th: 2800 ng/g;	NR
Brandsma et al. 2014 ***HERO ID:*** *2540527* *OQD:* Medium	Not Reported, NL Scenario: Dust on seats of 8 cars (n = 8; DF = 1; Sampling Period: 2012)	LOD: Not Reported LOQ: 70 ng/g	240 ng/g	5600 ng/g	NR	50th: 600 ng/g;	NR

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Tajima et al. 2014 ***HERO ID:*** *2542290* *OQD:* Medium	Sapporo, JP Scenario: Dust from upper surfaces of 128 dwellings of families with elementary school children (n = 128; DF = 0.672; Sampling Period: 2009 - 2010)	LOD: 0.65 µg/g LOQ: Not Reported	NR	92.22 µg/g	NR	25th: <LOD; 50th: 1.17 µg/g; 75th: 2.28 µg/g; 95th: 16.07 µg/g;	NR
Tajima et al. 2014 ***HERO ID:*** *2542290* *OQD:* Medium	Sapporo, JP Scenario: Dust from floors of 128 dwellings of families with elementary school children in 2009 (n = 80; DF = 0.413; Sampling Period: 2009)	LOD: 1 µg/g LOQ: Not Reported	NR	49.83 µg/g	NR	25th: <LOD; 50th: <LOD; 75th: 1.9 µg/g; 95th: 12.79 µg/g;	NR
Tajima et al. 2014 ***HERO ID:*** *2542290* *OQD:* Medium	Sapporo, JP Scenario: Dust from floors of 128 dwellings of families with elementary school children in 2010 (n = 48; DF = 0.25; Sampling Period: 2010)	LOD: 0.65 µg/g LOQ: Not Reported	NR	38.83 µg/g	NR	25th: <LOD; 50th: <LOD; 75th: <LOD; 95th: 17.02 µg/g;	NR
Fan et al. 2014 ***HERO ID:*** *2543095* *OQD:* High	Various locations, CA Scenario: Dust from 134 single family homes (n = 134; DF = 0.96; Sampling Period: 2010)	LOD: 0.07 µg/g LOQ: 0.23 µg/g	<LOD	33 µg/g	NR	50th: 0.8 µg/g; 95th: 4.4 µg/g;	NR
Fan et al. 2014 ***HERO ID:*** *2543095* *OQD:* High	Various locations, CA Scenario: Vacuum dust from 134 single family homes (n = 134; DF = 0.95; Sampling Period: 2010)	LOD: 0.07 µg/g LOQ: 0.23 µg/g	<LOD	7 µg/g	NR	50th: 0.6 µg/g; 95th: 3.7 µg/g;	NR
Takeuchi et al. 2015 ***HERO ID:*** *3005686* *OQD:* Medium	11 prefectures, JP Scenario: Indoor dust from 19 suburban living rooms (n = 19; DF = 0.95; Sampling Period: Oct., 2013 - Jan., 2014)	LOD: Not Reported LOQ: Not Reported	NR	20 µg/g	NR	50th: 13 µg/g;	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Settled dust from 4 houses (n = 4; DF = 1; Sampling Period: 2013)	LOD: 0.1 µg/g LOQ: Not Reported	NR	NR	2.5 µg/g (AM)	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Settled dust from 4 gyms (n = 4; DF = 1; Sampling Period: 2013)	LOD: 0.1 µg/g LOQ: Not Reported	NR	NR	1.18 µg/g (AM)	NR	NR
Mizouchi et al. 2015 ***HERO ID:*** *3015040* *OQD:* High	Not Reported, JP Scenario: Indoor floor dust from 10 homes (n = 10; DF = 1; Sampling Period: Aug., 2009 - Aug., 2010)	LOD: 10 ng/g LOQ: Not Reported	870 ng/g	12000 ng/g	4100 ng/g (AM)	50th: 2700 ng/g;	3600 ng/g (ASD)
Mizouchi et al. 2015 ***HERO ID:*** *3015040* *OQD:* High	Not Reported, JP Scenario: Indoor floor dust from 12 elementary schools (n = 18; DF = 0.94; Sampling Period: Aug., 2009 - Aug., 2010)	LOD: 10 ng/g LOQ: Not Reported	<LOD	85000 ng/g	5300 ng/g (AM)	50th: 500 ng/g;	20000 ng/g (ASD)
Langer et al. 2016 ***HERO ID:*** *3223090* *OQD:* High	Odense, DK Scenario: Dust from homes (n = 497; DF = 0.69; Sampling Period: 2016)	LOD: 0.6 µg/g LOQ: Not Reported	NR	230 µg/g	NR	50th: 6.9 µg/g; 90th: 42 µg/g;	NR

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Langer et al. 2016 ***HERO ID:*** *3223090* *OQD:* High	Odense, DK Scenario: Dust from daycares (n = 151; DF = 0.78; Sampling Period: 2016)	LOD: 0.6 µg/g LOQ: Not Reported	NR	1800 µg/g	NR	50th: 16 µg/g; 90th: 230 µg/g;	NR
Coelho et al. 2016 ***HERO ID:*** *3350460* *OQD:* High	Aveiro; Coimbra, PT Scenario: Dust from houses (n = 28; DF = 0.821; Sampling Period: Feb., 2010 - Nov., 2011)	LOD: 4 ng/g LOQ: Not Reported	<LOD	720 ng/g	58 ng/g (AM)	50th: 17 ng/g;	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Medium	Oslo, NO Scenario: Surface dust from living room furniture and decorations of A-TEAM cohort homes (n = 61; DF = 0.75; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 170 ng/g	<LOQ	15200 ng/g	NR	50th: 455 ng/g;	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Medium	Oslo, NO Scenario: Floor dust from living rooms of A-TEAM cohort homes (n = 61; DF = 0.77; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 170 ng/g	<LOQ	350000 ng/g	NR	50th: 435 ng/g;	NR
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* High	Yokohama; Kawagoe, JP Scenario: Dust from car cabin floor mat (n = 25; DF = 0.24; Sampling Period: Nov., 2013)	LOD: 0.18 µg/g LOQ: 1.8 µg/g	ND	5.5 µg/g	NR	50th: 0.9 µg/g;	NR
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* High	Yokohama; Kawagoe, JP Scenario: Dust from car cabin seat (n = 12; DF = 0.58; Sampling Period: Nov., 2013)	LOD: 0.18 µg/g LOQ: 1.8 µg/g	ND	71 µg/g	NR	50th: 2.7 µg/g;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 15 private homes (n = 15; DF = 0.8; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	<LOD	5 µg/g	1.3 µg/g (AM)	50th: 1.1 µg/g;	1.3 µg/g (ASD)
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 16 building material markets (n = 16; DF = 0.81; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	<LOD	20 µg/g	2.5 µg/g (AM)	50th: 1 µg/g;	4.9 µg/g (ASD)
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 11 private cars (n = 11; DF = 0.82; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	<LOD	170 µg/g	18 µg/g (AM)	50th: 1.4 µg/g;	51 µg/g (ASD)
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 11 offices (n = 11; DF = 1; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	0.93 µg/g	18 µg/g	3.7 µg/g (AM)	50th: 1.9 µg/g;	4.9 µg/g (ASD)

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Table 5 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 7 schools (n = 7; DF = 1; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	0.95 µg/g	2.8 µg/g	1.9 µg/g (AM)	50th: 1.6 µg/g;	0.74 µg/g (ASD)
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 5 daycare centers (n = 5; DF = 0.6; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	<LOD	6.2 µg/g	2 µg/g (AM)	50th: 1.1 µg/g;	2.6 µg/g (ASD)
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Darmstadt, Rhine/Main region; Frankfurt am Main, Rhine/Main region; Hanau, Rhine/Main region, DE Scenario: Dust from 9 floor and carpet stores (n = 9; DF = 0.67; Sampling Period: Jan., 2015 - Jul., 2015)	LOD: 115 ng/g LOQ: Not Reported	<LOD	9.6 µg/g	2 µg/g (AM)	50th: 0.97 µg/g;	3.1 µg/g (ASD)
Kim et al. 2017 ***HERO ID:*** *4178500* *OQD:* Medium	Pusan region; Daegu region, KR Scenario: Floor surface dust of Kindergarten classrooms (n = 6; DF = 0.17; Sampling Period: Aug., 2014)	LOD: <2 µg LOQ: Not Reported	<LOD	11 µg/g	11 µg/g (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *4178500* *OQD:* Medium	Pusan region; Daegu region, KR Scenario: Floor surface dust of home living rooms (n = 14; DF = 1; Sampling Period: Aug., 2013 - Apr., 2014)	LOD: <2 µg LOQ: Not Reported	10 µg/g	43 µg/g	22.7 µg/g (AM)	NR	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Surface dust in 16 private homes (n = 40; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.01 µg/g	NR	NR	NR	5th: 0.18 µg/g; 50th: 0.66 µg/g; 95th: 0.78 µg/g;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Surface dust in 24 offices (n = 27; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.01 µg/g	NR	NR	NR	5th: 0.14 µg/g; 50th: 0.56 µg/g; 95th: 13 µg/g;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Surface dust from public transportation (buses, trains, and aircraft) in Australia (n = 15; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.01 µg/g	NR	NR	NR	5th: 0.3 µg/g; 50th: 1.2 µg/g; 95th: 26 µg/g;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Surface dust from 3 hotels (n = 3; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.01 µg/g	NR	NR	NR	5th: 0.14 µg/g; 50th: 0.62 µg/g; 95th: 1.4 µg/g;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* High	Thessaloniki, GR Scenario: Dust from the interior of private cars (n = 25; DF = 0.78; Sampling Period: 2016)	LOD: Not Reported LOQ: Jun-90 ng/g	14 ng/g	13137 ng/g	1235 ng/g (AM)	50th: 114 ng/g;	3160 ng/g (ASD)
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN Scenario: Indoor dust from 9 kindergartens and 2 primary schools (n = 22; DF = 1; Sampling Period: Jun., 2015 - May, 2016)	LOD: 0.001-0.002 µg/g LOQ: Not Reported	0.026 µg/g	0.84 µg/g	0.25 µg/g (AM)	50th: 0.15 µg/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Persson et al. 2018 ***HERO ID:*** *4292133* *OQD:* Medium	Not Reported, SE Scenario: Settled dust from preschools (1 conventional built and 3 low-energy built) (n = 31; DF = 0.58; Sampling Period: Spring, 2015 - winter, 2016)	LOD: 6.9 ng/g LOQ: Not Reported	<LOD	5.4 µg/g	0.3 µg/g (AM)	50th: 0.03 µg/g;	NR
Persson et al. 2018 ***HERO ID:*** *4292133* *OQD:* Medium	Not Reported, SE Scenario: Window wipe from preschools (1 conventional built and 3 low-energy built) (n = 16; DF = 0.44; Sampling Period: Spring, 2015 - winter, 2016)	LOD: 0.07 ng/m2 LOQ: Not Reported	<LOD	5.4 ng/m2	<LOD	50th: <LOD;	NR
Larsson et al. 2018 ***HERO ID:*** *4292136* *OQD:* High	Stockholm, SE Scenario: Dust from preschool playroom area (n = 100; DF = 0.61; Sampling Period: Feb., 2015 - Nov., 2015)	LOD: 1.2 µg/g LOQ: Not Reported	<LOD	410 µg/g	NR	95th: 100 µg/g;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* Medium	Oslo, NO Scenario: Indoor dust vacuum samples from A-TEAM cohort homes in Oslo (n = 10; DF = 1; Sampling Period: Nov., 2013 - Apr., 2014)	LOD: 44.1 ng/g LOQ: Not Reported	56.7 ng/g	498 ng/g	210 ng/g (AM); 158 ng/g (GM)	25th: 81 ng/g; 50th: 120 ng/g; 75th: 370 ng/g;	51.1 ng/g (SE)
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* Medium	Reading, GB Scenario: Indoor dust vacuum samples from A-TEAM cohort offices and stores (n = 12; DF = 1; Sampling Period: Aug., 2013 - Dec., 2013)	LOD: 44.1 ng/g LOQ: Not Reported	237 ng/g	7185 ng/g	1895 ng/g (AM); 1103 ng/g (GM)	25th: 456 ng/g; 50th: 897 ng/g; 75th: 2489 ng/g;	641 ng/g (SE)
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* Medium	Reading, GB Scenario: Indoor dust vacuum samples from A-TEAM cohort homes in Reading (n = 10; DF = 1; Sampling Period: Aug., 2013 - Dec., 2013)	LOD: 44.1 ng/g LOQ: Not Reported	138 ng/g	6265 ng/g	1566 ng/g (AM); 991 ng/g (GM)	25th: 590 ng/g; 50th: 873 ng/g; 75th: 1830 ng/g;	567 ng/g (SE)
Kishi et al. 2018 ***HERO ID:*** *4728476* *OQD:* High	Sapporo, JP Scenario: Dust from multiple surfaces in homes (n = 128; DF = 0.671; Sampling Period: Oct., 2009 - Nov., 2010)	LOD: 0.65 µg/m^3 LOQ: Not Reported	NR	92.2 µg/m^3	NR	25th: <LOD; 50th: 1.17 µg/m^3; 75th: 2.27 µg/m^3;	NR
Ait Bamai et al. 2018 ***HERO ID:*** *4829235* *OQD:* Medium	Hokaiddo, JP Scenario: Dust from living room floor surfaces (n = 296; DF = 0.858; Sampling Period: Mar., 2013)	LOD: Not Reported LOQ: 0.25 µg/g	<LOQ	756.08 µg/g	NR	25th: 0.36 µg/g; 50th: 0.79 µg/g; 75th: 1.78 µg/g;	NR
Liu et al. 2019 ***HERO ID:*** *5165944* *OQD:* High	Toronto, CA Scenario: Dust from homes and offices (n = 85; DF = 1; Sampling Period: Feb., 2018 - Apr., 2018)	LOD: Not Reported LOQ: 0.4 ng/g	65.7 ng/g	88109 ng/g	5103 ng/g (AM); 1608 ng/g (GM)	50th: 1874 ng/g;	NR
Giovanoulis et al. 2019 ***HERO ID:*** *5412073* *OQD:* High	Stockholm, SE Scenario: Dust from 20 preschools (n = 20; DF = 1; Sampling Period: Jan., 2018 - Feb., 2018)	LOD: 0.034 µg/g LOQ: Not Reported	NR	NR	NR	50th: 35.2 µg/g; 95th: 506 µg/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Bastiaensen et al. 2019 ***HERO ID:*** *5469392* *OQD:* High	Sapporo, JP Scenario: Main living room floor dust from 68 homes (n = 68; DF = 0.24; Sampling Period: 2009 - 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	38.8 µg/g	1.6 µg/g (AM)	75th: <LOD;	5.9 µg/g (ASD)
Bastiaensen et al. 2019 ***HERO ID:*** *5469392* *OQD:* High	Sapporo, JP Scenario: Main living room multi-surface dust from 128 homes (n = 128; DF = 0.77; Sampling Period: 2009 - 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	92.2 µg/g	4 µg/g (AM)	25th: 0.3 µg/g; 50th: 1.2 µg/g; 75th: 2.3 µg/g;	11.2 µg/g (ASD)
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE Scenario: House dust from 62 apartments (n = 62; DF = 0.97; Sampling Period: 2008)	LOD: 0.19 µg/g LOQ: Not Reported	ND	808 µg/g	NR	25th: 2.5 µg/g; 50th: 4 µg/g; 75th: 7.5 µg/g;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, POST-occupancy (n = 27; DF = 0; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 1 µg/ft2 LOQ: 1 µg/ft2	NR	NR	ND	NR	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Surface wipes from green, low-income housing, PRE-occupancy (n = 10; DF = 0; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 1 µg/ft2 LOQ: 1 µg/ft2	NR	NR	ND	NR	NR
Shin et al. 2019 ***HERO ID:*** *6968217* *OQD:* Medium	Northern California, US Scenario: Living room dust from 38 homes (n = 38; DF = 0.97; Sampling Period: May, 2015 - Aug., 2016)	LOD: 25 ng/g LOQ: Not Reported	ND	NR	NR	25th: 1432 ng/g; 50th: 2810 ng/g; 75th: 5058 ng/g; 95th: 20946 ng/g;	1.86 ng/g (CV)

‡ Data extraction results are for metabolite concentrations.

Table 6: Data Extraction Tables of Exposure Monitoring Studies for Groundwater

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.4 down-gradient of infiltration basin (n = 3; DF = 1; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.28 μg/L (AM)	NR	NR
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Monitoring well No.5 down-gradient of infiltration basin (n = 3; DF = 1; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.81 μg/L (AM)	NR	NR
Barnes et al. 2008 ***HERO ID:*** *4832201* *OQD:* High	Eighteen states from the East coast, West coast and Mid-west regions of the U.S. (not specified)., US Scenario: Groundwater background concentrations from 18 states in the U.S. (n = 47; DF = 0.298; Sampling Period: 2000)	LOD: Not Reported LOQ: 0.5 μg/L	NR	0.737 μg/L	NR	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Kustrin, DE Scenario: Groundwater recharged by the Oder River, March 2000 (n = 45; DF = NR; Sampling Period: Mar., 2000)	LOD: 1 ng/L LOQ: Not Reported	1 ng/L	195 ng/L	NR	50th: 9 ng/L;	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Kustrin, DE Scenario: Groundwater recharged by the Oder River, November 2000 (n = 45; DF = NR; Sampling Period: Nov., 2000)	LOD: 1 ng/L LOQ: Not Reported	1 ng/L	754 ng/L	NR	50th: 50 ng/L;	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (Nieschen site) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	71 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (1a, 9534F, 2a) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	96 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (955F, 955T) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	ND	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (9531T (November 2000)) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	ND	NR	NR

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Table 6 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (9531T (March 2001)) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	312 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Groundwater monitoring wells located close to the Oder River (9536F, 11/99F, 9561F, 6/99T, 11/99T) (n = 76; DF = NR; Sampling Period: Mar., 2000 - Mar., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	120 ng/L (AM)	NR	NR
Barnes et al. 2004 ***HERO ID:*** *5469339* *OQD:* Medium	Norman, Oklahoma, US Scenario: Oklahoma (n = 5; DF = 1; Sampling Period: Sept., 2000)	LOD: 0.04 µg/L LOQ: Not Reported	POINT VALUE(S): [0.36 µg/L; 0.74 µg/L; 0.25 µg/L; 0.22 µg/L; <0.04 µg/L]				
Yasuhara et al. 1994 ***HERO ID:*** *5469582* *OQD:* Medium	Central and North-eastern part of Japan, JP Scenario: Underground water from northeastern part of Japan (n = 1; DF = 0; Sampling Period: 1994)	LOD: 67.5 ng/L LOQ: 225 ng/L	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Treated groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Lebel et al. 1987 ***HERO ID:*** *1487184* *OQD:* Medium	Great Lakes region, CA,US Scenario: Raw groundwater supply from Barrie - Summer and Winter (n = 2; DF = 0; Sampling Period: Summer, 1982 - winter, 1983)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Regnery et al. 2011 ***HERO ID:*** *2579610* *OQD:* High	Hesse, DE Scenario: Groundwater near a closed landfill site (n = 11; DF = 0.91; Sampling Period: Feb., 2009 - Sept., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	318 ng/L	NR	50th: 141 ng/L;	NR
Regnery et al. 2011 ***HERO ID:*** *2579610* *OQD:* High	Hesse, DE Scenario: Groundwater recharged by precipitation infiltration (n = 10; DF = 0.4; Sampling Period: Jun., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	24 ng/L	NR	50th: <LOQ;	NR
Regnery et al. 2011 ***HERO ID:*** *2579610* *OQD:* High	Hesse, DE Scenario: Groundwater recharged by riverbank infiltration (n = 15; DF = 0.67; Sampling Period: Apr., 2009 - Aug., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	148 ng/L	NR	50th: 7 ng/L;	NR
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Groundwater from principal aquifers across the United States (n = 221; DF = 0.009; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 µg/L	NR	0.049 µg/L	NR	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hopple et al. 2009 ***HERO ID:*** *3975066* *OQD:* High	Various locations, US Scenario: Source water (resampled) from principal aquifers across the United States (n = 55; DF = 0.055; Sampling Period: Jun., 2004 - Sept., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	0.13 μg/L	NR	NR	NR
Buszka et al. 2009 ***HERO ID:*** *4912133* *OQD:* Medium	Elkhart, Indiana, US Scenario: Water from 4 wells (n = 6; DF = 0.33; Sampling Period: Nov., 2000 - Oct., 2002)	LOD: Not Reported LOQ: 0.5 μg/L	<LOQ	0.74 μg/L	<LOQ	50th: <LOQ;	0.23 μg/L (ASD)
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP1) groundwater - XAD (n = 2; DF = 0; Sampling Period: Aug., 2011 - Jan., 2012)	LOD: 50 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Transfer and Recovery system observation well (PP3) groundwater - XAD (n = 2; DF = 0; Sampling Period: Aug., 2011 - Jan., 2012)	LOD: 50 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Page et al. 2014 ***HERO ID:*** *5298744* *OQD:* Medium	Salisbury, Adelaide, AU Scenario: Aquifer Storage and Recovery Observation Well (ARSO) groundwater - XAD (n = 2; DF = 0.5; Sampling Period: Aug., 2011 - Jan., 2012)	LOD: Not Reported LOQ: Not Reported	NR	170 ng/g	NR	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater around the Storlien infiltration facility (St-GW) (n = 20; DF = 1; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	130 ng/L	NR	50th: 41 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater downstream of the Ann infiltration facility (A-GW1) (n = 5; DF = 0.8; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	<LOQ	NR	50th: <LOQ;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Groundwater upstream of the Ann infiltration facility (GWR) (n = 5; DF = 0.2; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	<LOD	NR	NR	NR
Laws et al. 2011 ***HERO ID:*** *5469289* *OQD:* High	Montebello Forebay, Los Angeles County, California, US Scenario: Upper aquifer subsurface groundwater from research recharge basin (n = 8; DF = 1; Sampling Period: May, 2009 - Jul., 2009)	LOD: Not Reported LOQ: 10 ng/L	NR	NR	402 ng/L (AM)	NR	15 ng/L (ASD)
Laws et al. 2011 ***HERO ID:*** *5469289* *OQD:* High	Montebello Forebay, Los Angeles County, California, US Scenario: Lower aquifer subsurface groundwater from research recharge basin (n = 3; DF = 1; Sampling Period: May, 2009 - Jul., 2009)	LOD: Not Reported LOQ: 10 ng/L	NR	NR	128 ng/L (AM)	NR	39 ng/L (ASD)

Table 7: Data Extraction Tables of Exposure Monitoring Studies for Human Biomonitoring

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Zhao et al. 2017 ***HERO ID:*** *3866506* *OQD:* High	Beijing, CN Scenario: Plasma from early pregnant women (<2 months) (n = 25; DF = 0.48; Sampling Period: Jan., 2014 - Dec., 2016)	LOD: 0.09 ng/mL LOQ: 0.31 ng/mL	ND	<LOQ	<LOD	25th: ND; 50th: ND; 75th: <LOQ;	0.02 ng/mL (ASD)
Zhao et al. 2017 ***HERO ID:*** *3866506* *OQD:* High	Beijing, CN Scenario: Decidua tissue from early pregnant women (<2 months) (n = 50; DF = 0.62; Sampling Period: Jan., 2014 - Dec., 2016)	LOD: Not Reported LOQ: 0.11 ng/g	<LOQ	1.77 ng/g	0.23 ng/g (AM)	25th: <LOQ; 50th: 0.26 ng/g; 75th: 0.37 ng/g;	0.33 ng/g (ASD)
Zhao et al. 2017 ***HERO ID:*** *3866506* *OQD:* High	Beijing, CN Scenario: Chorionic Villus tissue of early pregnant women (<2 months) (n = 50; DF = 0.7; Sampling Period: Jan., 2014 - Dec., 2016)	LOD: Not Reported LOQ: 0.11 ng/g	<LOQ	41.8 ng/g	1.73 ng/g (AM)	25th: <LOQ; 50th: 0.51 ng/g; 75th: 1.42 ng/g;	6.14 ng/g (ASD)
Zhao et al. 2017 ***HERO ID:*** *3866506* ‡ *OQD:* High *BCEP*	Beijing, CN Scenario: Decidua tissue from early pregnant women (<2 months) (BCEP data) (n = 25; DF = 0.88; Sampling Period: Jan., 2014 - Dec., 2016)	LOD: Not Reported LOQ: 0.88 ng/g	<LOQ	200 ng/g	43.3 ng/g (AM)	25th: 14.2 ng/g; 50th: 25.4 ng/g; 75th: 71.5 ng/g;	51.8 ng/g (ASD)
Zhao et al. 2017 ***HERO ID:*** *3866506* ‡ *OQD:* High *BCEP*	Beijing, CN Scenario: Chorionic Villus tissue of early pregnant women (<2 months) (BCEP data) (n = 25; DF = 0.9; Sampling Period: Jan., 2014 - Dec., 2016)	LOD: Not Reported LOQ: 0.88 ng/g	<LOQ	1180 ng/g	89.5 ng/g (AM)	25th: 60.1 ng/g; 50th: 157 ng/g; 75th: 363 ng/g;	390 ng/g (ASD)
Sugeng et al. 2017 ***HERO ID:*** *3975074* *OQD:* High	Zwolle; Purmerend; Den Helder, NL Scenario: Hand wipes from toddlers in 21 homes (n = 21; DF = 0.95; Sampling Period: Aug., 2013 - Oct., 2013)	LOD: <0.8 ng/sample LOQ: Not Reported	<LOD	420 ng/sample	NR	50th: 6.9 ng/sample;	NR
Sugeng et al. 2017 ***HERO ID:*** *3975074* *OQD:* High	Zwolle; Purmerend; Den Helder, NL Scenario: Back wipes from toddlers in 20 homes (n = 20; DF = 0; Sampling Period: Aug., 2013 - Oct., 2013)	LOD: <4 ng/sample LOQ: Not Reported	NR	NR	NR	50th: <LOD;	NR
Sugeng et al. 2017 ***HERO ID:*** *3975074* *OQD:* High	Zwolle; Purmerend; Den Helder, NL Scenario: Mouth wipes from toddlers in 15 homes (n = 15; DF = 0; Sampling Period: Aug., 2013 - Oct., 2013)	LOD: <4 ng/sample LOQ: Not Reported	NR	NR	NR	50th: <LOD;	NR
Phillips et al. 2018 ***HERO ID:*** *5163584* *OQD:* High	Various locations, US Scenario: Hand wipes from children enrolled in TESIE cohort (n = 202; DF = 0.87; Sampling Period: Sept., 2014 - Apr., 2016)	LOD: 2.7 ng/sample LOQ: Not Reported	NR	3216 ng/sample	27.5 ng/sample (GM)	10th: <LOD; 90th: 214.2 ng/sample;	NR
Liu et al. 2016 ***HERO ID:*** *5176476* *OQD:* Medium	Bloomington, IN, US Scenario: Serum from adults recruited at Indiana University (n = 50; DF = 0; Sampling Period: Jul., 2014 - Aug., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Liu et al. 2016 ***HERO ID:*** *5176476* *OQD:* Medium	Bloomington, IN, US Scenario: Hair from adults recruited at Indiana University (n = 50; DF = 0.68; Sampling Period: Jul., 2014 - Aug., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	250 ng/g (GM)	25th: 60 ng/g; 50th: 240 ng/g; 75th: 2740 ng/g;	NR
Liu et al. 2016 ***HERO ID:*** *5176476* *OQD:* Medium	Bloomington, IN, US Scenario: Fingernail from adults recruited at Indiana University (n = 50; DF = 0.2; Sampling Period: Jul., 2014 - Aug., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	230 ng/g (GM)	25th: 93 ng/g; 50th: 190 ng/g; 75th: 1860 ng/g;	NR
Liu et al. 2016 ***HERO ID:*** *5176476* *OQD:* Medium	Bloomington, IN, US Scenario: Toenail from adults recruited at Indiana University (n = 50; DF = 0.08; Sampling Period: Jul., 2014 - Aug., 2014)	LOD: Not Reported LOQ: Not Reported	NR	NR	140 ng/g (GM)	25th: 100 ng/g; 50th: 150 ng/g; 75th: 150 ng/g;	NR
Bastiaensen et al. 2019 ***HERO ID:*** *5562397* *OQD:* Medium	Antwerp, BE Scenario: Urine samples from healthy adult volunteers (n = 15; DF = 1.0; Sampling Period: 2015)	LOD: Not Reported LOQ: 0.032 ng/mL	0.04 ng/mL	0.12 ng/mL	NR	25th: 0.05 ng/mL; 50th: 0.05 ng/mL; 75th: 0.08 ng/mL;	NR
Bastiaensen et al. 2019 ***HERO ID:*** *5562397* *OQD:* Medium	Antwerp, BE Scenario: Urine samples from medical device patients in ICU (n = 84; DF = 0.46; Sampling Period: 2015)	LOD: Not Reported LOQ: 0.032 ng/mL	NR	0.29 ng/mL	NR	50th: ND; 75th: 0.05 ng/mL;	NR
Araki et al. 2020 ***HERO ID:*** *6957526* *OQD:* Medium	Sapporo, JP Scenario: Urine from elementary school children in urban area (n = 113; DF = 1.0; Sampling Period: 2009 - 2010)	LOD: Not Reported LOQ: Not Reported	0.02 nmol/g	2.39 nmol/g	NR	25th: 0.08 nmol/g; 50th: 0.15 nmol/g; 75th: 0.27 nmol/g;	NR
Stapleton et al. 2014 ***HERO ID:*** *2343712* *OQD:* High	North Carolina, US Scenario: Handwipes from both hands (n = 43; DF = 0.47; Sampling Period: Spring, 2012)	LOD: 24 ng/sample LOQ: Not Reported	<LOD	197 ng/sample	NR	NR	NR
Dodson et al. 2014 ***HERO ID:*** *2533847* ‡ *OQD:* Medium *BCEP*	Richmond, California Bolinas, California, US Scenario: Urine from 16 non-smoking adults (n = 16; DF = 0.75; Sampling Period: 2011)	LOD: 0.10 ng/mL LOQ: Not Reported	<LOD	2.1 ng/mL	0.76 ng/mL (AM)	50th: 0.63 ng/mL;	NR
Fromme et al. 2014 ***HERO ID:*** *2537005* ‡ *OQD:* Medium *DCEP*	Bavaria, Berlin and North Rhine-Westphalia, DE Scenario: Urine of children from daycare centers (n = 312; DF = 0.65; Sampling Period: Nov., 2011 - May, 2012)	LOD: 0.2 µg/L LOQ: Not Reported	<LOD	13.1 µg/L	0.4 µg/L (AM)	50th: 0.2 µg/L; 95th: 1.6 µg/L;	NR
Sundkvist et al. 2010 ***HERO ID:*** *2586188* *OQD:* High	Holmon; Kvadofjarden; Fjallbacka; Vaderoarna; Remmarsjon; Stensjon; St Envattern; Hjartsjon; Krageholmssjon; Bysjon; Oresjon; Djupasjon; Guttasjon; Marstaan; Bothnian bay; Baltic proper; Stromstad; Uppsala; Lycksele; Lund; Umea, SE Scenario: Human milk (n = 6; DF = 1; Sampling Period: 1997 - 2006)	LOD: 0.4 ng/g LOQ: Not Reported	2.1 ng/g	8.2 ng/g	NR	50th: 4.9 ng/g;	NR

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Kanagawa Prefecture, JP Scenario: Human breast milk from Kanagawa (n = 20; DF = NR; Sampling Period: 2009 - 2011)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	ND	20 ng/g	NR	50th: 0.14 ng/g;	NR
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Trang Minh, VN Scenario: Human breast milk from Trang Minh (n = 9; DF = NR; Sampling Period: 2008)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	ND	18 ng/g	NR	50th: ND;	NR
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Hanoi, VN Scenario: Human breast milk from Hanoi (n = 7; DF = 0; Sampling Period: 2008)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	NR	NR	ND	NR	NR
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Malate, PH Scenario: Human breast milk from Malate (n = 19; DF = NR; Sampling Period: 2008)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	ND	153 ng/g	NR	50th: 42 ng/g;	NR
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Payatas, PH Scenario: Human breast milk from Payatas (n = 22; DF = NR; Sampling Period: 2008)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	ND	512 ng/g	NR	50th: 41 ng/g;	NR
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	Bui Dau, VN Scenario: Human breast milk from Bui Dau (n = 10; DF = NR; Sampling Period: 2008)	LOD: 0.01-0.08 ng/g LOQ: Not Reported	ND	18 ng/g	NR	50th: ND;	NR
Kucharska et al. 2015 ***HERO ID:*** *3010225* *OQD:* Medium	Greater Oslo area, NO Scenario: Mothers' hair samples from mother-child cohort (n = 48; DF = 0.16; Sampling Period: Jan., 2012 - May, 2012)	LOD: Not Reported LOQ: 33 ng/g	<LOQ	163 ng/g	NR	50th: 72 ng/g;	NR
Kucharska et al. 2015 ***HERO ID:*** *3010225* *OQD:* Medium	Greater Oslo area, NO Scenario: Children's hair samples from mother-child cohort (n = 54; DF = 0.26; Sampling Period: Jan., 2012 - May, 2012)	LOD: Not Reported LOQ: 33 ng/g	<LOQ	118 ng/g	NR	50th: 59 ng/g;	NR
Van Den Eede et al. 2015 ***HERO ID:*** *3020426* *OQD:* Medium	Taringa, Queensland, AU Scenario: Urine Specimens from a Pathology Laboratory During Sampling Campaign 2 (n = 23; DF = 0.04; Sampling Period: Oct., 2012 - Oct., 2013)	LOD: 0.35 ng/mL LOQ: Not Reported	<LOD	0.37 ng/mL	<LOD	NR	NR
Van Den Eede et al. 2015 ***HERO ID:*** *3020426* *OQD:* Medium	Taringa, Queensland, AU Scenario: Urine Specimens from a Pathology Laboratory During Sampling Campaign 1 (n = 72; DF = 0.13; Sampling Period: Oct., 2010 - Mar., 2011)	LOD: 0.35 ng/mL LOQ: Not Reported	<LOD	24.5 ng/mL	<LOD	NR	NR
Liu et al. 2015 ***HERO ID:*** *3031004* *OQD:* Medium	Bloomington, Indiana, US Scenario: Nail samples from persons at Indiana University Bloomington campus (n = 5; DF = 0; Sampling Period: 2015)	LOD: Not Reported LOQ: 150 ng/g	NR	NR	<LOQ	NR	NR

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Liu et al. 2015 ***HERO ID:*** *3031004* *OQD:* Medium	Bloomington, Indiana, US Scenario: Hair Samples from persons at Indiana University Bloomington campus (n = 5; DF = 0.80; Sampling Period: 2015)	LOD: Not Reported LOQ: 75 ng/g	POINT VALUE(S): [<LOQ; 1950 ng/g; 87 ng/g; 130 ng/g; 120 ng/g]				
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Medium	Oslo, NO Scenario: Hand wipes from A-TEAM cohort participants (n = 55; DF = 0.49; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 4 ng/sample	<LOQ	76 ng/sample	NR	50th: <LOQ;	NR
Kile et al. 2016 ***HERO ID:*** *3361031* *OQD:* Medium	Oregon, US Scenario: Wristbands from preschoolers (n = 72; DF = 0.89; Sampling Period: Oct., 2012 - Jan., 2013)	LOD: 3.4 ng/g LOQ: 16.9 ng/g	<LOD	193 ng/g/d	22.8 ng/g/d (AM)	NR	36.1 ng/g/d (ASD)
Henríquez-Hernández et al. 2017 ***HERO ID:*** *3984272* *OQD:* High	Gran Canaria, Canary Islands, Spain, ES Scenario: Human serum from cat owners (n = 20; DF = 1; Sampling Period: Oct., 2016 - Dec., 2016)	LOD: Not Reported LOQ: 0.03-0.15 ng/mL	NR	NR	3.12 ng/g (AM)	50th: 3.69 ng/g;	1.27 ng/g (ASD)
Larsson et al. 2018 ***HERO ID:*** *4292136* *OQD:* High	Stockholm, SE Scenario: Handwipes from preschool children (n = 100; DF = 0.51; Sampling Period: 2015)	LOD: 4.5 ng/sample LOQ: 7.4 ng/sample	<LOD	86 ng/sample	NR	95th: 60 ng/sample;	NR
Wang et al. 2019 ***HERO ID:*** *5164613* ‡ *OQD:* High *BCEP*	Albany, New York, US Scenario: Urine from 19 volunteers (n = 213; DF = 0.87; Sampling Period: Feb., 2018 - Apr., 2018)	LOD: 0.0027 μg/L LOQ: 0.0270 μg/L	<LOQ	1900 ng/g	182 ng/g (AM); 73.6 ng/g (GM)	5th: <LOQ; 25th: 51.7 ng/g; 50th: 108 ng/g; 75th: 193 ng/g; 95th: 719 ng/g;	NR
Gibson et al. 2019 ***HERO ID:*** *5165046* *OQD:* High	Northern Manhattan and South Bronx, New York, US Scenario: Wristbands from mothers of children (n = 38; DF = 0.89; Sampling Period: 2015)	LOD: 3.27 ng/g LOQ: Not Reported	NR	719 ng/g	NR	25th: 68.3 ng/g; 50th: 108.5 ng/g; 75th: 173.0 ng/g;	NR
Gibson et al. 2019 ***HERO ID:*** *5165046* *OQD:* High	Northern Manhattan and South Bronx, New York, US Scenario: Wristbands from children (n = 38; DF = 0.76; Sampling Period: 2015)	LOD: 3.27 ng/g LOQ: Not Reported	NR	656 ng/g	NR	25th: 31.7 ng/g; 50th: 64.5 ng/g; 75th: 115.0 ng/g;	NR
He et al. 2018 ***HERO ID:*** *5469782* ‡ *OQD:* High *BCEP*	South East Queensland, AU Scenario: Spot urine of 0–5-year-olds (metabolite) (n = 400; DF = 0.15; Sampling Period: Dec., 2014 - Dec., 2015)	LOD: 0.014 ng/mL LOQ: Not Reported	<LOD	0.036 ng/mL	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5469782* *OQD:* High	South East Queensland, AU Scenario: Spot urine of 0–5-year-olds (n = 400; DF = 0.45; Sampling Period: Dec., 2014 - Dec., 2015)	LOD: 0.022 ng/mL LOQ: Not Reported	<LOD	0.90 ng/mL	<LOD	NR	NR
He et al. 2018 ***HERO ID:*** *5469782* *OQD:* High	South East Queensland, AU Scenario: Breast milk from 3 individuals (n = 3; DF = 0.67; Sampling Period: Dec., 2014 - Dec., 2015)	LOD: 0.26 ng/mL LOQ: Not Reported	<LOD	0.47 ng/mL	0.29 ng/mL (AM)	50th: 0.26 ng/mL;	0.17 ng/mL (ASD)

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Table 7 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance

‡ Data extraction results are for metabolite concentrations.

Table 8: Data Extraction Tables of Exposure Monitoring Studies for Indoor Air

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Medium	Western Germany, DE Scenario: Indoor air analyzed by Laboratory #2 (n = 50; DF = 1; Sampling Period: 2001)	LOD: 0.1 mg/kg LOQ: Not Reported	NR	6000 ng/m^3	52 ng/m^3 (AM); 14 ng/m^3 (GM)	10th: 5 ng/m^3; 50th: 10 ng/m^3; 90th: 40 ng/m^3; 95th: 250 ng/m^3; 98th: 600 ng/m^3;	NR
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential indoor air near industrial facility (winter) (n = 21; DF = 0.90; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 18.0 pg LOQ: Not Reported	NR	NR	9.25 ng/m^3 (GM)	10th: 3.85 ng/m^3; 90th: 23.0 ng/m^3;	2.17 ng/m^3 (GSD)
Ohura et al. 2006 ***HERO ID:*** *632484* *OQD:* Medium	Shimizu, Shizuoka Prefecture, JP Scenario: Residential indoor air near industrial facility (summer) (n = 25; DF = 0.9; Sampling Period: Summer, 2000 - Winter, 2001)	LOD: 18.0 pg LOQ: Not Reported	NR	NR	20.0 ng/m^3 (GM)	10th: 4.96 ng/m^3; 90th: 62.9 ng/m^3;	2.63 ng/m^3 (GSD)
Hartmann et al. 2004 ***HERO ID:*** *779503* *OQD:* Medium	Zurich, Switzerland, CH Scenario: TCEP in indoor air of cars (n = 4; DF = 1; Sampling Period: 2004)	LOD: 0.15 ng/m^3 LOQ: 1.5 ng/m^3	POINT VALUE(S): [4.3 ng/m^3; 9.4 ng/m^3; <LOD; 7.4 ng/m^3]				
Hartmann et al. 2004 ***HERO ID:*** *779503* *OQD:* Medium	Zurich, Switzerland, CH Scenario: TCEP in indoor air of various buildings (theatre, furniture stores, offices, electronic stores) (n = 12; DF = 1; Sampling Period: 2004)	LOD: 0.15 ng/m^3 LOQ: 1.5 ng/m^3	POINT VALUE(S): [36 ng/m^3; 6.3 ng/m^3; 11.9 ng/m^3; 56 ng/m^3; 30 ng/m^3; 23 ng/m^3; 6.1 ng/m^3; 8.2 ng/m^3; 2.2 ng/m^3; 19 ng/m^3; 7.6 ng/m^3; 22 ng/m^3]				
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor air in 10 homes (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	28 ng/m^3	8.3 ng/m^3 (AM)	50th: 4.8 ng/m^3;	NR
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor air in 10 day cares (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	7.8 ng/m^3	230 ng/m^3	47 ng/m^3 (AM)	50th: 25 ng/m^3;	NR
Bergh et al. 2011 ***HERO ID:*** *788335* *OQD:* Medium	Stockholm, SE Scenario: Indoor air in 10 workplaces (n = 10; DF = NR; Sampling Period: 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	140 ng/m^3	21 ng/m^3 (AM)	50th: 10 ng/m^3;	NR
Otake et al. 2004 ***HERO ID:*** *789515* *OQD:* Medium	Tokyo, JP Scenario: Indoor air from 27 houses (n = 27; DF = NR; Sampling Period: Apr., 2000 - Dec., 2000)	LOD: 5.0 pg LOQ: Not Reported	<LOD	0.38 μg/m^3	0.02 μg/m^3 (AM)	50th: <LOD;	0.07 μg/m^3 (ASD)
Wallner et al. 2012 ***HERO ID:*** *1313395* *OQD:* Medium	Vienna; Graz; St. Polten; Carinthia, AT Scenario: Indoor Particulate Matter (PM10) from 9 urban and elementary schools (n = 36; DF = 0.97; Sampling Period: Fall, 2012 - Spring, 2013)	LOD: Not Reported LOQ: Not Reported	<LOD	4700 mg/kg	NR	50th: 141 mg/kg;	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
Wallner et al. 2012 ***HERO ID:*** *1313395* *OQD:* Medium	Vienna; Graz; St. Polten; Carinthia, AT Scenario: Indoor Particulate Matter (PM2.5) from 9 urban and rural elementary schools (n = 36; DF = 0.97; Sampling Period: Fall, 2012 - Spring, 2013)	LOD: Not Reported LOQ: Not Reported	54 mg/kg	11000 mg/kg	NR	50th: 522 mg/kg;	NR
Yoshida et al. 2006 ***HERO ID:*** *1949033* *OQD:* Medium	Osaka, JP Scenario: Indoor air in 101 cars (n = 101; DF = 0.8; Sampling Period: Mar., 2004 - Oct., 2004)	LOD: Not Reported LOQ: Not Reported	0 $\mu g/m^3$	7.1 $\mu g/m^3$	NR	50th: 0.03 $\mu g/m^3$;	NR
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	Not Reported, BE Scenario: Indoor air from 1 kitchen in Belgium (n = 1; DF = 0; Sampling Period: Mar., 2015)	LOD: 171.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [ND]				
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	Not Reported, BE Scenario: Indoor air from 1 office in Belgium (n = 1; DF = 0; Sampling Period: Mar., 2015)	LOD: 171.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [ND]				
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	Not Reported, BE Scenario: Indoor air from 1 electronic workshop in Belgium (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 171.0 pg/m^3 LOQ: Not Reported	POINT VALUE(S): [2.52 ng/m^3]				
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	Not Reported, BE Scenario: Indoor air (XAD-2) from living room in Belgium (n = 2; DF = NR; Sampling Period: Mar., 2015)	LOD: 171.0 pg/m^3 LOQ: Not Reported	NR	NR	4.7 ng/m^3 (AM)	NR	1.1 ng/m^3 (ASD)
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	Not Reported, BE Scenario: Indoor air (PDMS) from living room in Belgium (n = 2; DF = NR; Sampling Period: Mar., 2015)	LOD: 171.0 pg/m^3 LOQ: Not Reported	NR	NR	4.4 ng/m^3 (AM)	NR	0.6 ng/m^3 (ASD)
Kanazawa et al. 2010 ***HERO ID:*** *697390* *OQD:* Medium	Sapporo, JP Scenario: Living room air from residential detached houses (n = 40; DF = 0.60; Sampling Period: Oct., 2006 - Jan., 2006)	LOD: 12.6 ng/m^3 LOQ: Not Reported	<LOD	297 ng/m^3	NR	50th: 15.5 ng/m^3;	NR
Bergh et al. 2011 ***HERO ID:*** *1249459* *OQD:* Medium	Stockholm, SE Scenario: Indoor air from 169 apartments (n = 169; DF = NR; Sampling Period: winter, 2006 - winter, 2007)	LOD: 1 ng/m^3 LOQ: Not Reported	ND	230 ng/m^3	10 ng/m^3 (AM)	50th: 4 ng/m^3;	NR
Otake et al. 2001 ***HERO ID:*** *1598712* *OQD:* Medium	Tokyo, JP Scenario: Indoor air from 6 contemporary Japanese houses (n = 6; DF = 1; Sampling Period: Apr., 2000 - May, 2000)	LOD: 20 pg LOQ: 0.006 μg	POINT VALUE(S): [0.03 $\mu g/m^3$; <0.0014 $\mu g/m^3$; 0.03 $\mu g/m^3$; 0.03 $\mu g/m^3$; <0.0014 $\mu g/m^3$; <0.0014 $\mu g/m^3$]				
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP Scenario: Indoor air from 18 Houses (n = 18; DF = NR; Sampling Period: Jan., 2002 - Mar., 2002)	LOD: 0.67 ng/m^3 LOQ: Not Reported	ND	136 ng/m^3	NR	50th: 1.3 ng/m^3;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP Scenario: Indoor air from 14 offices (n = 14; DF = NR; Sampling Period: Jan., 2002 - Mar., 2002)	LOD: 0.67 ng/m^3 LOQ: Not Reported	ND	42.1 ng/m^3	NR	50th: 3.3 ng/m^3;	NR
Takeuchi et al. 2014 ***HERO ID:*** *2519043* *OQD:* Medium	Sapporo, Hokkaido, JP Scenario: Indoor air from bedrooms and living rooms of 6 homes (n = 12; DF = 0.8333; Sampling Period: Jul., 2012 - Aug., 2012)	LOD: Not Reported LOQ: 0.002 μg/m^3	<LOQ	0.065 μg/m^3	0.03 μg/m^3 (AM)	10th: 0.022 μg/m^3; 25th: 0.01975 μg/m^3; 50th: 0.0265 μg/m^3; 75th: 0.038 μg/m^3; 90th: 0.0581 μg/m^3;	0.02 μg/m^3 (ASD)
Fromme et al. 2014 ***HERO ID:*** *2537005* *OQD:* Medium	Bavaria, Berlin and North Rhine-Westphalia, DE Scenario: Indoor air from naturally ventilated daycare centers (n = 63; DF = 0.17; Sampling Period: Nov., 2011 - May, 2012)	LOD: 4 ng/m^3 LOQ: 2.0 ng/m^3	<LOD	33 ng/m^3	<LOD	50th: <LOD; 95th: 7.5 ng/m^3;	NR
Bradman et al. 2014 ***HERO ID:*** *2539068* *OQD:* High	Monterey and Alameda counties of California, US Scenario: Indoor air from 39 early childhood education centers (n = 40; DF = 0.65; Sampling Period: May, 2010 - May, 2011)	LOD: 0.3 ng/m^3 LOQ: Not Reported	NR	15.34 ng/m^3	2.69 ng/m^3 (AM)	25th: <MDL ng/m^3; 50th: 0.91 ng/m^3; 75th: 3.05 ng/m^3; 95th: 12.94 ng/m^3;	3.89 ng/m^3 (ASD)
Mäkinen et al. 2009 ***HERO ID:*** *2560628* *OQD:* Medium	Kuopio, FI Scenario: Air from classroom with 64 computers (n = 3; DF = 1; Sampling Period: 2008)	LOD: Not Reported LOQ: Not Reported	70 ng/m^3	140 ng/m^3	100 ng/m^3 (GM)	NR	NR
Mäkinen et al. 2009 ***HERO ID:*** *2560628* *OQD:* Medium	Kuopio, FI Scenario: Offices and coffee room at a circuit board factory, furniture workshop, and electronics dismantling facility. (n = 4; DF = 0.50; Sampling Period: 2008)	LOD: Not Reported LOQ: 3.0 ng/m^3	<LOD	200 ng/m^3	8 ng/m^3 (GM)	NR	NR
Takeuchi et al. 2015 ***HERO ID:*** *3005686* *OQD:* Medium	11 prefectures, JP Scenario: Indoor air from 21 suburban living rooms (n = 21; DF = 0.90; Sampling Period: Oct., 2013 - Jan., 2014)	LOD: Not Reported LOQ: 7e-05 μg/m^3	NR	0.034 μg/m^3	NR	50th: 0.0067 μg/m^3;	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Indoor air respirable particulates from 4 houses (n = 4; DF = 0; Sampling Period: 2013)	LOD: 0.1 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Indoor air respirable particulates from 4 gyms (n = 4; DF = 0; Sampling Period: 2013)	LOD: 0.1 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Indoor air inhalable particulates from 4 houses (n = 4; DF = 0; Sampling Period: 2013)	LOD: 0.1 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, WA, US Scenario: Indoor air inhalable particulates from 4 gyms (n = 4; DF = 0; Sampling Period: 2013)	LOD: 0.1 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Medium	Oslo, NO Scenario: Indoor stationary air from living rooms of A-TEAM cohort participants (n = 58; DF = 0.93; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 0.9 ng/m^3	<LOQ	76 ng/m^3	NR	50th: 3 ng/m^3;	NR
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* High	Yokohama; Kawagoe, JP Scenario: Indoor air from unoccupied cars (n = 9; DF = 0; Sampling Period: Nov., 2013)	LOD: 0.68 ng/m^3 LOQ: 6.8 ng/m^3	NR	NR	ND	NR	NR
Kim et al. 2017 ***HERO ID:*** *4178500* *OQD:* Medium	Pusan region; Daegu region, KR Scenario: Indoor air of home living rooms (n = 8; DF = 0; Sampling Period: Aug., 2013 - Apr., 2014)	LOD: <2 ng LOQ: Not Reported	NR	NR	ND	NR	NR
Kim et al. 2017 ***HERO ID:*** *4178500* *OQD:* Medium	Pusan region; Daegu region, KR Scenario: Indoor air of Kindergarten classrooms (n = 6; DF = 0; Sampling Period: Aug., 2014)	LOD: 2 ng LOQ: Not Reported	NR	NR	ND	NR	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Indoor air in 16 private homes (n = 40; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.06 ng/m^3	NR	NR	NR	5th: 1.8 ng/m^3; 50th: 3.2 ng/m^3; 95th: 5.4 ng/m^3;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* High	Brisbane and Canberra, AU Scenario: Indoor air in 24 offices (n = 40; DF = 1; Sampling Period: Jan., 2015 - Mar., 2015)	LOD: Not Reported LOQ: 0.06 ng/m^3	NR	NR	NR	5th: 0.89 ng/m^3; 50th: 2.6 ng/m^3; 95th: 8.2 ng/m^3;	NR
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN Scenario: Indoor air (PM2.5) from 9 kindergartens and 2 primary schools (n = 22; DF = 1; Sampling Period: Jun., 2015 - May, 2016)	LOD: 0.00005-0.0002 ng/m^3 LOQ: Not Reported	4.7 ng/m^3	49 ng/m^3	20 ng/m^3 (AM)	50th: 16 ng/m^3;	NR
Persson et al. 2018 ***HERO ID:*** *4292133* *OQD:* Medium	Not Reported, SE Scenario: Indoor air from preschools (1 conventional built and 3 low-energy built) (n = 56; DF = 0; Sampling Period: Spring, 2015 - winter, 2016)	LOD: 2.2 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
Okeme et al. 2018 ***HERO ID:*** *4659643* *OQD:* Medium	Greater Toronto Area, Ottawa, CA Scenario: Air in homes from polyurethane foam sampling (n = 51; DF = 0.87; Sampling Period: Feb., 2015 - Aug., 2015)	LOD: 3 NR LOQ: 10.0 NR or NA	<LOD	230 ng/m^3	11 ng/m^3 (AM)	50th: 4.4 ng/m^3;	33 ng/m^3 (ASD)
Okeme et al. 2018 ***HERO ID:*** *4659643* *OQD:* Medium	Greater Toronto Area, Ottawa, CA Scenario: Air in homes from polydimethylsiloxane sampling (n = 51; DF = 0.68; Sampling Period: Feb., 2015 - Aug., 2015)	LOD: 3 NR LOQ: 10.0 NR or NA	<LOD	220 ng/m^3	15 ng/m^3 (AM)	50th: 2.6 ng/m^3;	NR
Okeme et al. 2018 ***HERO ID:*** *4659643* *OQD:* Medium	Toronto, Ontario, CA Scenario: Air from computer laboratory (n = 51; DF = 0.8; Sampling Period: May, 2016 - Jul., 2016)	LOD: 3 NR LOQ: 10.0 NR or NA	NR	NR	6.3 ng/m^3 (AM)	NR	9 % (CV)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 3 university dining areas (n = 3; DF = 0.67; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	<LOD	91 pg/m^3	40 pg/m^3 (AM)	NR	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 9 homes of university employees (n = 9; DF = <1; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	<LOD	950 pg/m^3	260 pg/m^3 (AM)	NR	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 1 university computer room (n = 1; DF = 1; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	POINT VALUE(S): [37 pg/m^3]				
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 3 university lecture rooms (n = 3; DF = 0.67; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	<LOD	120 pg/m^3	42 pg/m^3 (AM)	NR	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 3 university laboratories (n = 3; DF = 0; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	NR	NR	<LOD	NR	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from occupational university rooms (n = 18; DF = <1; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	<LOD	240 pg/m^3	44 pg/m^3 (AM)	NR	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Ultuna campus of the Swedish University of Agriculture Sciences, Uppsala, SE Scenario: Indoor air from 8 university offices with forced ventilation (n = 8; DF = <1; Sampling Period: Sept., 2016 - Nov., 2016)	LOD: 9.4 pg/m^3 LOQ: 24.0 pg/m^3	<LOD	120 pg/m^3	63 pg/m^3 (AM)	NR	NR
Wong et al. 2018 ***HERO ID:*** *5163827* *OQD:* High	Stockholm University, Stockholm, SE Scenario: Indoor air from office site (n = 23; DF = 1; Sampling Period: Apr., 2014 - May, 2015)	LOD: 22 pg/m^3 LOQ: Not Reported	6700 pg/m^3	20000 pg/m^3	11000 pg/m^3 (AM)	50th: 10900 pg/m^3;	3000 pg/m^3 (ASD)
Dodson et al. 2019 ***HERO ID:*** *5432871* *OQD:* High	Greater Boston, MA, US Scenario: Indoor air from a variety of spaces. Active air sampling (n = 37; DF = 0.32; Sampling Period: Oct., 2013 - Jul., 2015)	LOD: Not Reported LOQ: 5.6 ng/m^3	NR	33 ng/m^3	NR	95th: 25 ng/m^3;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE Scenario: Indoor air from 62 apartments (n = 62; DF = 0.65; Sampling Period: 2008)	LOD: Not Reported LOQ: Not Reported	0 ng/m^3	233 ng/m^3	NR	25th: 0 ng/m^3; 50th: 3.9 ng/m^3; 75th: 8.8 ng/m^3;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Indoor air from green, low-income housing, PRE-occupancy (n = 10; DF = 0.1; Sampling Period: Jun., 2013 - Jul., 2013)	LOD: 7.3 ng/m^3 LOQ: 22.0 ng/m^3	<LOD	37 ng/m^3	<LOD	50th: <LOD; 95th: <LOQ;	NR
Dodson et al. 2017 ***HERO ID:*** *5755270* *OQD:* High	Boston, MA, US Scenario: Indoor air from green, low-income housing, POST-occupancy (n = 25; DF = 0.2; Sampling Period: Jul., 2013 - Jan., 2014)	LOD: 7.3 ng/m^3 LOQ: 22.0 ng/m^3	<LOD	92 ng/m^3	<LOD	50th: <LOD; 95th: 35 ng/m^3;	NR

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor heated swimming pool water, Site A (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	127 ng/L (AM)	NR	10 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Fill water for indoor heated swimming pool, Site A (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor main pool water, Site B (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	145 ng/L (AM)	NR	15 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor training pool water, Site B (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	191 ng/L (AM)	NR	4 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor spa pool water, Site B (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	20 ng/L (AM)	NR	3 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor training pool water, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	293 ng/L (AM)	NR	17 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor competition pool water, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	69 ng/L (AM)	NR	3 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor 50 m pool water, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	7 ng/L (AM)	NR	0 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor wading pool (shaded) water, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	82 ng/L (AM)	NR	1 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor children pool (shaded) water, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	76 ng/L (AM)	NR	6 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Fill water for training, competition, 50 m, wading and children pools, Site C (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor 22 m pool water, Site D (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor 50 m pool water, Site D (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Outdoor children pool (shaded) water, Site D (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Fill water for outdoor 22 m, 50 m and children pools, Site D (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	<LOQ	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor 50 m pool water, Site E (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	62 ng/L (AM)	NR	2 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor wading/spa pool water, Site E (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	135 ng/L (AM)	NR	7 ng/L (ASD)
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU Scenario: Indoor training pool water, Site E (n = 3; DF = NR; Sampling Period: 2016)	LOD: Not Reported LOQ: 5.0 ng/L	NR	NR	126 ng/L (AM)	NR	3 ng/L (ASD)
Marklund et al. 2005 ***HERO ID:*** *5176506* *OQD:* Medium	Umea, SE Scenario: Snow deposition from 3 road intersections near airport (n = 3; DF = 1; Sampling Period: Mar., 2003)	LOD: 0.1 - 1.2 ng/kg LOQ: Not Reported	POINT VALUE(S): [12 ng/kg; 8 ng/kg; 7 ng/kg]				
Marklund et al. 2005 ***HERO ID:*** *5176506* *OQD:* Medium	Umea, SE Scenario: Snow deposition from forested area >3km from roads (Ref) (n = 1; DF = 1; Sampling Period: Mar., 2003)	LOD: 0.1 - 1.2 ng/kg LOQ: Not Reported	POINT VALUE(S): [7 ng/kg]				
Marklund et al. 2005 ***HERO ID:*** *5176506* *OQD:* Medium	Umea, SE Scenario: Snow deposition from side of airport runway (R1-R2) and airport parking (P) (n = 3; DF = 1; Sampling Period: Mar., 2003)	LOD: 0.1 - 1.2 ng/kg LOQ: Not Reported	POINT VALUE(S): [29 ng/kg; 37 ng/kg; 39 ng/kg]				
Marklund et al. 2005 ***HERO ID:*** *5176506* *OQD:* Medium	Pallas, FI Scenario: Deposition from open field near Swedish Environmental Research Institute (n = 1; DF = 1; Sampling Period: Mar., 2003)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [550 ng/m2]				
Yasuhara et al. 1995 ***HERO ID:*** *5469470* *OQD:* Medium	Central Japan, JP Scenario: Leachates from 4 controlled hazardous waste landfills (n = 4; DF = 1.00; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [137 mg/mL; 336 mg/mL; 534 mg/mL; 5430 mg/mL]				

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Yasuhara et al. 1995 ***HERO ID:*** *5469470* *OQD:* Medium	North East Japan, JP Scenario: Leachate from single open hazardous waste landfill (n = 1; DF = 1.00; Sampling Period: 1995)	LOD: 0.5-5 ng/mL LOQ: Not Reported	POINT VALUE(S): [4.1 mg/mL]				
Yasuhara et al. 1994 ***HERO ID:*** *5469582* *OQD:* Medium	Central and North-eastern part of Japan, JP Scenario: Leachate from landfills in central and northeastern Japan (sites A-D) (n = 4; DF = 1; Sampling Period: 1994)	LOD: 67.5 ng/L LOQ: 225.0 ng/L	POINT VALUE(S): [0.137 mg/L; 0.336 mg/L; 0.534 mg/L; 5.43 mg/L]				
Yasuhara et al. 1999 ***HERO ID:*** *659131* *OQD:* Medium	Not Reported, JP Scenario: Landfill leachate from hazardous waste disposal sites (n = 11; DF = 1.0; Sampling Period: 1995)	LOD: Not Reported LOQ: 2-15 ng/L	6 ng/L	30100 ng/L	NR	50th: 240 ng/L;	NR

Table 10: Data Extraction Tables of Exposure Monitoring Studies for Personal Inhalation

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Romanak et al. 2019 ***HERO ID:*** *5165948* *OQD:* Medium	Bloomington, IN, US Scenario: Personal passive sampling from 10 deployed wrist-bands on adults (n = 10; DF = 1.0; Sampling Period: 2018)	LOD: Not Reported LOQ: 21.0 ng/sample	27.2 ng/sample	348.0 ng/sample	NR	50th: 60.9 ng/sample;	NR
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* High	Washington State, US Scenario: Inhalable personal air (n = 9; DF = 0.89; Sampling Period: 2015)	LOD: 1.5 ng/m^3 LOQ: Not Reported	ND	77.8 ng/m^3	19.1 ng/m^3 (AM)	50th: 11.1 ng/m^3;	NR
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* High	Washington State, US Scenario: Respirable personal air (n = 9; DF = 0; Sampling Period: 2015)	LOD: 1.5 ng/m^3 LOQ: Not Reported	NR	NR	ND	NR	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Medium	Oslo, NO Scenario: Synchronized personal air from A-TEAM cohort participants (n = 31; DF = 0.77; Sampling Period: winter, 2013 - winter, 2014)	LOD: Not Reported LOQ: 1.0 ng/m^3	<LOQ	8.1 ng/m^3	NR	50th: 3 ng/m^3;	NR
Okeme et al. 2018 ***HERO ID:*** *5017615* *OQD:* Medium	Toronto, CA Scenario: Three office workers sampled for 7 consecutive days, mainly indoors at home and office (passive poly-dimethylsiloxane brooch samplers) (n = 3; DF = 1.0; Sampling Period: winter, 2016)	LOD: 12.0 pg/m^3 LOQ: 39.0 pg/m^3	27 ng/m^3	36 ng/m^3	32.33 ng/m^3 (AM)	50th: 34 ng/m^3;	4.73 ng/m^3 (ASD)

Table 11: Data Extraction Tables of Exposure Monitoring Studies for Precipitation

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Rain water (n = 3; DF = 1; Sampling Period: Jul., 2001)	LOD: 1.0 ng/L LOQ: Not Reported	POINT VALUE(S): [121.0 ng/L; 80.0 ng/L; 148.0 ng/L]				
Regnery et al. 2010 ***HERO ID:*** *2588430* *OQD:* High	Kleiner Feldberg, DE Scenario: Precipitation of rain and snow in Kleiner Feldberg (n = 29; DF = 1; Sampling Period: Nov., 2007 - Jan., 2009)	LOD: 2.0 ng/L LOQ: 3.0 ng/L	11.0 ng/L	390.0 ng/L	NR	50th: 40.0 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *2588430* *OQD:* High	Frankfurt/Main, DE Scenario: Precipitation of rain and snow in Frankfurt/Main (n = 90; DF = 1; Sampling Period: Nov., 2007 - Apr., 2009)	LOD: 2.0 ng/L LOQ: 3.0 ng/L	10.0 ng/L	485.0 ng/L	NR	50th: 71.0 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *2588430* *OQD:* High	Bekond, DE Scenario: Precipitation of rain and snow in Bekond (n = 48; DF = <1; Sampling Period: Nov., 2007 - Mar., 2009)	LOD: 2.0 ng/L LOQ: 3.0 ng/L	<LOD	127.0 ng/L	NR	50th: 12.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Bekond, Rhineland-Palatinate, DE Scenario: Snow (Bekond) (n = 5; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	127.0 ng/L	NR	50th: 22.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Bekond, Rhineland-Palatinate, DE Scenario: Rain (Bekond) (n = 9; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	41.0 ng/L	NR	50th: 12.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Mount Kliener Feldburg, Hesse, DE Scenario: Snow (Taunus University) (n = 8; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	61.0 ng/L	NR	50th: 42.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Mount Kliener Feldburg, Hesse, DE Scenario: Rain (Taunus University) (n = 4; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	390.0 ng/L	NR	50th: 196.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Frankfurt am Main, Hesse, DE Scenario: Rain (Frankfurt University) (n = 26; DF = NR; Sampling Period: Nov., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	338.0 ng/L	NR	50th: 73.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Wasserkuppe, Hesse, DE Scenario: Snow (Mount Wasserkuppe) (n = 12; DF = NR; Sampling Period: Jan., 2008 - Mar., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	488.0 ng/L	NR	50th: 60.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Wasserkuppe, Hesse, DE Scenario: Rain (Mount Wasserkuppe) (n = 3; DF = NR; Sampling Period: Jan., 2008 - Mar., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	70.0 ng/L	NR	50th: 11.0 ng/L;	NR
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Schmuecke, Thuringia, DE Scenario: Snow (Mount Schmuecke) (n = 17; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	102.0 ng/L	NR	50th: 19.0 ng/L;	NR

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Table 11 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Regnery et al. 2009 ***HERO ID:*** *2598725* *OQD:* High	Schmuecke, Thuringia, DE Scenario: Rain (Mount Schmuecke) (n = 11; DF = NR; Sampling Period: Dec., 2007 - Apr., 2008)	LOD: 2.0 ng/L LOQ: Not Reported	NR	45.0 ng/L	NR	50th: 14.0 ng/L;	NR
Mihajlovic et al. 2012 ***HERO ID:*** *2662833* *OQD:* Medium	Westerberg District, Osnabrueck, DE Scenario: Snow on German university campus (n = 4; DF = NR; Sampling Period: Dec., 2010)	LOD: 0.2 ng/g LOQ: Not Reported	236.0 ng/L	353.0 ng/L	NR	50th: 286.0 ng/L;	NR
Mihajlovic et al. 2012 ***HERO ID:*** *2662833* *OQD:* Medium	Westerberg District, Osnabrueck, DE Scenario: Rainwater on German university campus (n = 4; DF = NR; Sampling Period: Jan., 2011)	LOD: 0.2 ng/g LOQ: Not Reported	78.0 ng/L	234.0 ng/L	NR	50th: 187.0 ng/L;	NR
Li et al. 2017 ***HERO ID:*** *3862723* *OQD:* High	northeast Atlantic and the Arctic Ocean, AQ Scenario: Snow from northeast Atlantic/Arctic (n = 6; DF = 1; Sampling Period: Jun., 2014)	LOD: 210.0 pg/L LOQ: Not Reported	554.0 pg/L	2440.0 pg/L	1293.0 pg/L (AM)	50th: 1147.0 pg/L;	NR
Scott et al. 1996 ***HERO ID:*** *4530235* *OQD:* Medium	Toronto, Canada; Burlington, Canada, US Scenario: Composite precipitation (n = 5; DF = 0.60; Sampling Period: Nov., 1994 - Dec., 1994)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [29.7 ng/L; 52.3 ng/L; 14.4 ng/L]				

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

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Stachel et al. 2005 ***HERO ID:*** *5740077* *OQD:* Medium	Riesengebirge, Czech Republic; Cuxhaven, Federal Republic of Germany, CZ,DE Scenario: Upper sediment from 37 Elbe River and tributary sites (n = 37; DF = NR; Sampling Period: Sept., 2002)	LOD: Not Reported LOQ: 1.0 µg/kg	<LOQ	41 µg/kg	NR	50th: 7.4 µg/kg;	NR
Ishikawa et al. 1985 ***HERO ID:*** *2919504* *OQD:* Medium	Kitakyushu City, JP Scenario: Sediment from 6 sites potentially contaminated by domestic and industrial wastewater (n = 6; DF = 0.83; Sampling Period: Aug., 1980)	LOD: 5.0 ng/g LOQ: Not Reported	POINT VALUE(S): [18 ng/g; 19 ng/g; 28 ng/g; 13 ng/g; 20 ng/g]				
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Sediment from industrial area near Western Scheldt estuary (n = 3; DF = 0.66; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.35 ng/g (AM)	50th: 0.23 ng/g;	0.35 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Suspended particulate matter from industrial area near Western Scheldt estuary (n = 3; DF = 0.66; Sampling Period: Sept., 2008)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	0.43 ng/g (AM)	50th: 0.55 ng/g;	0.3 ng/g (ASD)
Maruya et al. 2016 ***HERO ID:*** *4182703* *OQD:* High	Coastal embayments in LA, southern CA, US Scenario: Sediment embayments in LA (n = 12; DF = 0.83; Sampling Period: Jul., 2013 - Oct., 2013)	LOD: Not Reported LOQ: 0.6 ng/g	<LOQ	6.98 ng/g	2.60 ng/g (AM)	10th: <LOQ; 25th: <LOQ; 50th: 2.63 ng/g; 75th: 3.30 ng/g; 90th: 5.72 ng/g;	2.18 ng/g (ASD)
Maruya et al. 2016 ***HERO ID:*** *4182703* *OQD:* High	Santa Clara River watershed, southern CA, US Scenario: bed sediment from the Santa Clara River watershed (n = 11; DF = 0.64; Sampling Period: Sept., 2013)	LOD: Not Reported LOQ: 0.6 ng/g	<LOQ	5.6 ng/g	1.99 ng/g (AM)	10th: <LOQ; 25th: <LOQ; 50th: 1.14 ng/g; 75th: 3.19 ng/g; 90th: 5.08 ng/g;	2.00 ng/g (ASD)
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: Sediment from a river (n = 4; DF = 0; Sampling Period: Sept., 2015)	LOD: 4.4 pg/uL LOQ: 15.0 pg/uL	POINT VALUE(S): [<LOQ; <LOQ; <LOD; <LOD]				
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (summer) (n = 3; DF = 0; Sampling Period: Jul., 2016)	LOD: 0.07 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (fall) (n = 3; DF = NR; Sampling Period: Nov., 2016)	LOD: 0.07 ng/g LOQ: Not Reported	NR	NR	2.8 ng/g (AM)	NR	0.1 ng/g (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (winter) (n = 3; DF = 0; Sampling Period: Jan., 2017)	LOD: 0.07 ng/g LOQ: Not Reported	NR	NR	<LOD	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
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Sediment from oyster production area (spring) (n = 3; DF = 0; Sampling Period: May, 2017)	LOD: 0.07 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: Sediment from river with potential pollution from industrial facilities (n = 4; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.01 ng/g LOQ: Not Reported	0.45 ng/g	0.93 ng/g	0.67 ng/g (AM)	50th: 0.642 ng/g;	0.20 ng/g (ASD)
Chokwe et al. 2019 ***HERO ID:*** *5470119* *OQD:* High	Vaal River catchment, ZA Scenario: Sediments polluted with effluents from industrial and domestic WWTPs, agricultural runoffs, textile manufacturing, and mining industries. (n = 16; DF = .875; Sampling Period: Oct., 2017 - Dec., 2017)	LOD: 0.24 ng/g LOQ: 0.8 ng/g	<LOQ	8.61 ng/g	2.56 ng/g (AM)	50th: 1.89 ng/g;	NR

Table 13: Data Extraction Tables of Exposure Monitoring Studies for Soil

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo (Dronningparken/Slottsparken, Frogner-seteren/Holmenkollen, Grønmo, Alnabru, VEAS), NO Scenario: Soil samples of terrestrial urban environments (n = 5; DF = 1; Sampling Period: 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.17 ng/g (AM)	NR	NR
Heimstad et al. 2018 ***HERO ID:*** *7296058* *OQD:* Medium	Oslo, NO Scenario: Soil samples of terrestrial urban environments (n = 5; DF = NR; Sampling Period: 2017)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.48 ng/g (AM)	NR	NR
Mihajlović et al. 2011 ***HERO ID:*** *1051336* *OQD:* Medium	Osnabrueck, DE Scenario: University campus soil samples (n = 6; DF = NR; Sampling Period: 2011)	LOD: 0.2 ng/g LOQ: Not Reported	NR	NR	4.96 ng/g (AM)	NR	NR
Mihajlovic et al. 2012 ***HERO ID:*** *2662833* *OQD:* Medium	Westerberg District, Osnabrueck, DE Scenario: Soil from over 48h of rainfall (n = 4; DF = NR; Sampling Period: Nov., 2010 - Jan., 2011)	LOD: 0.2 ng/g LOQ: Not Reported	5.07 ng/g	23.48 ng/g	NR	NR	NR
Kurt-Karakus et al. 2018 ***HERO ID:*** *5017070* *OQD:* High	Bursa, TR Scenario: Soil from 8 urban sites in Bursa (n = 8; DF = 0; Sampling Period: Feb., 2014 - Dec., 2014)	LOD: 3.4 ng/g LOQ: Not Reported	<LOD	<LOD	NR	50th: <LOD;	NR

Table 14: Data Extraction Tables of Exposure Monitoring Studies for Surface Water

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kolpin et al. 2002 ***HERO ID:*** *3353787* *OQD:* Medium	30 states, US Scenario: 139 streams in areas susceptible to contamination from human, industrial, and agricultural wastewater (n = 85; DF = 0.576; Sampling Period: 1999 - 2000)	LOD: 0.04 μg/L LOQ: Not Reported	NR	0.54 μg/L	NR	50th: 0.1 μg/L;	NR
Andresen et al. 2004 ***HERO ID:*** *4832200* *OQD:* Medium	Hattingen; Sauerland; Dortmund; Bochum; Essen, DE Scenario: River Ruhr area, mainly polluted by treated effluent from sewage treatment plants (n = 44; DF = 1; Sampling Period: Sept., 2002)	LOD: Not Reported LOQ: 12.0 ng/L	13 ng/L	130 ng/L	NR	NR	NR
Blum et al. 2018 ***HERO ID:*** *5428638* *OQD:* High	Uppsala municipality, SE Scenario: River/tributary water receiving treated sewage (n = 20; DF = 0.60; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.3 pg/uL LOQ: 0.99 pg/uL	2.3 ng/L	105 ng/L	NR	25th: 4.0 ng/L; 50th: 5.85 ng/L; 75th: 15.2 ng/L;	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Russelsheim, DE Scenario: Shore of Rhine River (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	24 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Hamburg, DE Scenario: Shore of Elbe River in Hamburg (n = 51; DF = NR; Sampling Period: Mar., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	17 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Frankfurt, DE Scenario: Shore of Main River, March 2000 (n = 51; DF = NR; Sampling Period: Mar., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	18 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Frankfurt, DE Scenario: Main River, November 2000 (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	23 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Kustrin, DE Scenario: Shore of Oder River, March 2000 (n = 51; DF = NR; Sampling Period: Mar., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	69 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Kustrin, DE Scenario: Oder River, November 2000 (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	220 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Frankfurt, DE Scenario: Shore of Nidda River, March 2000 (n = 51; DF = NR; Sampling Period: Mar., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	36 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Russelsheim, DE Scenario: Shore of Schwarzbach River, March 2000 (n = 51; DF = NR; Sampling Period: Mar., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	156 ng/L (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Russelsheim, DE Scenario: Schwarzbach River, November 2000 (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	198 ng/L (AM)	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Dresden, DE Scenario: Shore of Elbe River in Dresden (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Fries et al. 2001 ***HERO ID:*** *5469312* *OQD:* Medium	Frankfurt, DE Scenario: Nidda River, November 2000 (n = 51; DF = NR; Sampling Period: Nov., 2000)	LOD: 1.0 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Riverwater downstream from treated waste water discharge (n = 9; DF = 0.89; Sampling Period: Mar., 2000 - Jul., 2001)	LOD: 1.0 ng/L LOQ: Not Reported	POINT VALUE(S): [1236 ng/L; 554 ng/L; 59 ng/L; 220 ng/L; 274 ng/L; 656 ng/L; <LOD; 67 ng/L; 290 ng/L]				
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: River flowing though agricultural areas and receiving WWTP discharges (R1-R20) (n = 20; DF = 0.25; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 μg/L	POINT VALUE(S): [0.06 μg/L; 0.06 μg/L; 0.08 μg/L; 0.09 μg/L; 0.08 μg/L; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ; <LOQ]				
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Eno River (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Lake Michie dam (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Cane Creek Reservoir (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	NR	<0.5 ug/L (AM)	NR	NR
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, University Lake dam (n = 2; DF = 0; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	NR	NR	<0.5 ug/L (AM)	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Little River Reservoir dam (n = 2; DF = 0.5; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	POINT VALUE(S): [0.056 μg/L; <0.5 μg/L]				
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Jordan Lake above US Highway 64 (n = 2; DF = 1; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	POINT VALUE(S): [0.095 μg/L; 0.026 μg/L]				
Giorgino et al. 2007 ***HERO ID:*** *5469762* *OQD:* High	Triangle Area (Chathan, Durham, Johnston, Orange, and Wake Counties), North Carolina, US Scenario: Surface water from drinking water supply site of Triangle Area, Jordan Lake at Bells Landing (n = 2; DF = 1; Sampling Period: Oct., 2002 - Jul., 2005)	LOD: Not Reported LOQ: 0.5 μg/L	POINT VALUE(S): [0.1 μg/L; 0.7 μg/L]				
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Forgotten Canyon, a side canyon of Lake Powell (n = 16; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	< 0.5 ug/L (AM)	NR	NR
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Knowles Canyon, a side canyon of Lake Powell (n = 11; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	< 0.5 ug/L (AM)	NR	NR
Hart et al. 2005 ***HERO ID:*** *5821282* *OQD:* Medium	Utah, US Scenario: Surface water from Moqui Canyon, a side canyon of Lake Powell (n = 17; DF = 0; Sampling Period: May, 2001 - Sept., 2002)	LOD: Not Reported LOQ: Not Reported	NR	NR	< 0.5 ug/L (AM)	NR	NR
Bidwell et al. 2010 ***HERO ID:*** *697423* *OQD:* Medium	Osage Mills, AR; Benton County, AR; Delaware County; OK, US Scenario: Surface water from 2 creeks in OK (unnamed, near WWTP) and AR (Little Osage Creek, near mill) (n = 2; DF = 0.5; Sampling Period: May, 2006 - Jul., 2006)	LOD: 0.03 ng/POCIS LOQ: Not Reported	POINT VALUE(S): [ND; 358 ng/POCIS]				
Bidwell et al. 2010 ***HERO ID:*** *697423* *OQD:* Medium	Osage Mills, AR; Benton County, AR; Delaware County; OK, US Scenario: Surface water from 6 cave systems (n = 6; DF = 0; Sampling Period: May, 2006 - Jul., 2006)	LOD: 0.03 ng/POCIS LOQ: Not Reported	NR	NR	ND	NR	NR
Rodil et al. 2012 ***HERO ID:*** *1250860* *OQD:* Medium	The A Coruna metro area and town of Ponteceso in the Northwest region, ES Scenario: Surface water from Mero river basin and Anllóns river basin (n = 28; DF = 0.64; Sampling Period: Nov., 2007 - Sept., 2008)	LOD: Not Reported LOQ: 0.004 ng/L	0.001 μg/L	0.025 μg/L	0.005 μg/L (AM)	25th: 0.001 μg/L; 50th: 5 ng/L; 75th: 0.014 μg/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Andresen et al. 2007 ***HERO ID:*** *1619118* *OQD:* High	German Bight of the North Sea, DE Scenario: Water from 14 sites in the German Bight (n = 14; DF = NR; Sampling Period: May, 2005 - Jun., 2005)	LOD: Not Reported LOQ: 0.3 ng/L	NR	22 ng/L	NR	NR	NR
Cristale et al. 2013 ***HERO ID:*** *1788425* *OQD:* Medium	All in England: Malham; Skipton; Keighley; Bradford; Leeds; Castleford, GB Scenario: Water from river highly affected by anthropogenic pressures (n = 13; DF = 1; Sampling Period: Spring, 2011 - 2011)	LOD: 2.4 ng/L LOQ: Not Reported	POINT VALUE(S): [0 ng/L; 0 ng/L; 134.7 ng/L; 128.3 ng/L; 143.8 ng/L; 119.1 ng/L; 183.2 ng/L; 231.8 ng/L; 245.5 ng/L; 314.3 ng/L; 229.1 ng/L; 234.6 ng/L; 211.5 ng/L; 235.7 ng/L; 175.2 ng/L; 225.8 ng/L; 166.4 ng/L; 192.8 ng/L]				
Regnery et al. 2010 ***HERO ID:*** *2588430* *OQD:* High	Frankfurt/Main, DE Scenario: Water from storm water holding tank (SWHT) in Frankfort/Main (n = 42; DF = 1; Sampling Period: May, 2008 - Apr., 2009)	LOD: 2 ng/L LOQ: 3 ng/L	33 ng/L	275 ng/L	NR	50th: 77 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *2588430* *OQD:* High	Bekond, DE Scenario: Water from storm water holding tank (SWHT) in Bekond (n = 10; DF = 1; Sampling Period: 2009)	LOD: 2 ng/L LOQ: 3 ng/L	23 ng/L	131 ng/L	NR	50th: 78 ng/L;	NR
Quednow et al. 2009 ***HERO ID:*** *2593950* *OQD:* High	Frankfurt am Main, DE Scenario: water from the Schwarzbach river (n = 330; DF = 0.99; Sampling Period: Sept., 2003 - Sept., 2006)	LOD: 5 ng/L LOQ: Not Reported	<LOD	2019 ng/L	201 ng/L (AM)	NR	NR
Quednow et al. 2009 ***HERO ID:*** *2593950* *OQD:* High	Frankfurt am Main, DE Scenario: water from the Modau river (n = 330; DF = 0.95; Sampling Period: Sept., 2003 - Sept., 2006)	LOD: 5 ng/L LOQ: Not Reported	<LOD	1,190 ng/L	242 ng/L (AM)	NR	NR
Quednow et al. 2009 ***HERO ID:*** *2593950* *OQD:* High	Frankfurt am Main, DE Scenario: water from the Winkelbach river (n = 330; DF = 0.71; Sampling Period: Sept., 2003 - Sept., 2006)	LOD: 5 ng/L LOQ: Not Reported	<LOD	561 ng/L	71 ng/L (AM)	NR	NR
Quednow et al. 2009 ***HERO ID:*** *2593950* *OQD:* High	Frankfurt am Main, DE Scenario: water from the Weschnitz river (n = 330; DF = 0.97; Sampling Period: Sept., 2003 - Sept., 2006)	LOD: 5 ng/L LOQ: Not Reported	<LOD	464 ng/L	108 ng/L (AM)	NR	NR
Quednow et al. 2009 ***HERO ID:*** *2593950* *OQD:* High	Frankfurt am Main, DE Scenario: water from the Schwarzbach, Modau, Winkelbach, and Weschnitz river (Total) (n = 330; DF = 0.92; Sampling Period: Sept., 2003 - Sept., 2006)	LOD: 5 ng/L LOQ: Not Reported	<LOD	2,019 ng/L	203 ng/L (AM)	NR	NR
Ishikawa et al. 1985 ***HERO ID:*** *2919504* *OQD:* Medium	Kitakyushu City, JP Scenario: River water from 16 sites potentially contaminated by domestic and industrial wastewater (n = 16; DF = 0.88; Sampling Period: Aug., 1980)	LOD: 10 ng/L LOQ: Not Reported	POINT VALUE(S): [127 ng/L; 153 ng/L; 347 ng/L; 204 ng/L; 209 ng/L; 292 ng/L; 111 ng/L; 17 ng/L; 221 ng/L; 51 ng/L; 21 ng/L; 56 ng/L; 24 ng/L; 93 ng/L]				

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Table 14 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ishikawa et al. 1985 ***HERO ID:*** *2919504* *OQD:* Medium	Kitakyushu City, JP Scenario: Seawater from 9 sites potentially contaminated by domestic and industrial wastewater (n = 9; DF = 1.0; Sampling Period: Aug., 1980)	LOD: 10 ng/L LOQ: Not Reported	POINT VALUE(S): [48 ng/L; 17 ng/L; 19 ng/L; 21 ng/L; 60 ng/L; 33 ng/L; 37 ng/L; 14 ng/L; 16 ng/L]				
Calderón-Preciado et al. 2011 ***HERO ID:*** *2919589* *OQD:* Medium	Prat de Llobregat (Northeast Spain), ES Scenario: Irrigation waters in an agricultural area (n = 8; DF = 0; Sampling Period: Jul., 2008 - May, 2009)	LOD: 0.055 μg/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Loos et al. 2017 ***HERO ID:*** *3860951* *OQD:* High	Danube River & Tributaries, Eastern Europe, DE Scenario: Water from river and tributaries (n = 71; DF = 1; Sampling Period: Aug., 2013 - Sept., 2013)	LOD: 0.29 ng/L LOQ: 0.96 ng/L	2.4 ng/L	41 ng/L	11 ng/L (AM)	50th: 10 ng/L; 90th: 18 ng/L;	NR
Li et al. 2017 ***HERO ID:*** *3862723* *OQD:* High	northeast Atlantic and the Arctic Ocean, AQ Scenario: Seawater from northeast Atlantic/Arctic (n = 25; DF = .88; Sampling Period: Jun., 2014)	LOD: 210 pg/L LOQ: Not Reported	ND	2401 pg/L	695 pg/L (AM)	50th: 605 pg/L;	NR
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the San Gabriel River upstream of treated wastewater effluent discharge (n = 2; DF = 0.5; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	POINT VALUE(S): [5.1 ng/L; <LOD]				
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the Los Angeles River upstream of treated wastewater effluent discharge (n = 2; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	POINT VALUE(S): [72.5 ng/L; 64 ng/L]				
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the Los Angeles River downstream of treated wastewater effluent discharge (low-flow event July 2011) (n = 6; DF = 1; Sampling Period: Jul., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	498 ng/L	710 ng/L	623 ng/L (AM)	50th: 617.5 ng/L;	73.86 ng/L (ASD)
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the San Gabriel River downstream of treated wastewater effluent discharge (low-flow event July 2011) (n = 8; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	45 ng/L	785 ng/L	338.69 ng/L (AM)	50th: 191 ng/L;	296.36 ng/L (ASD)
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the Los Angeles River downstream of treated wastewater effluent discharge (low-flow event October 2011) (n = 6; DF = 1; Sampling Period: Oct., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	408 ng/L	560 ng/L	463.17 ng/L (AM)	50th: 444.5 ng/L;	59.56 ng/L (ASD)
Sengupta et al. 2014 ***HERO ID:*** *4181598* *OQD:* Medium	Los Angeles, California, US Scenario: Water samples from the San Gabriel River downstream of treated wastewater effluent discharge (low-flow event October 2011) (n = 8; DF = 1; Sampling Period: Jul., 2011 - Oct., 2011)	LOD: 1.25-5 ng/L LOQ: Not Reported	89 ng/L	581 ng/L	396.38 ng/L (AM)	50th: 425 ng/L;	164 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Maruya et al. 2016 ***HERO ID:*** *4182703* *OQD:* High	Santa Clara River watershed, southern CA, US Scenario: surface water from the Santa Clara River watershed (n = 17; DF = 0.65; Sampling Period: Jul., 2013 - Oct., 2013)	LOD: Not Reported LOQ: 5.0 ng/L	<LOQ	810 ng/L	268 ng/L (AM)	10th: <LOQ; 25th: <LOQ; 50th: 246 ng/L; 75th: 443 ng/L; 90th: 536 ng/L;	250 ng/L (ASD)
Padhye et al. 2014 ***HERO ID:*** *4253347* *OQD:* High	Metropolitan area in Southeastern region, US Scenario: Reservoir effluent (SW2) (n = 8; DF = NR; Sampling Period: Dec., 2009 - Dec., 2010)	LOD: 0.5-10 LOQ: Not Reported	NR	43.6 ng/L	17.4 ng/L (AM)	NR	94 % (CV)
Padhye et al. 2014 ***HERO ID:*** *4253347* *OQD:* High	Metropolitan area in Southeastern region, US Scenario: River water at pumping station (SW1) (n = 8; DF = 0.88; Sampling Period: Dec., 2009 - Dec., 2010)	LOD: 0.5-10 ng/L LOQ: Not Reported	0 ng/L	51.7 ng/L	15.5 ng/L (AM)	50th: 5.6 ng/L;	105 % (CV)
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Aarhus river contaminated by 2 upstream WWTPs (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	46 ng/L	80 ng/L	58 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Lyngbygaards river (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	40 ng/L	91 ng/L	53 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from the Brabrand lake outlet (n = 5; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	42 ng/L	55 ng/L	50 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from the restored Aarslev wetland outlet (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	40 ng/L	55 ng/L	48 ng/L (AM)	NR	NR
Matamoros et al. 2012 ***HERO ID:*** *4330586* *OQD:* Medium	Northeast Denmark (west of the city of Aarhus), DK Scenario: Surface water from Aarhus channel (n = 6; DF = 1; Sampling Period: Sept., 2010 - Dec., 2010)	LOD: 2-40 ng/L LOQ: 4-60 ng/L	53 ng/L	94 ng/L	70 ng/L (AM)	NR	NR
Scott et al. 1996 ***HERO ID:*** *4530235* *OQD:* Medium	Ontario, Canada; Wolfe Island, Wisconsin, CA,US Scenario: Water from 3 waterbodies (n = 43; DF = 1; Sampling Period: 1994)	LOD: Not Reported LOQ: Not Reported	0.2 ng/L	9.4 ng/L	3.83 ng/L (AM)	50th: 3.94 ng/L;	NR
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: Grab water samples from a river (n = 16; DF = 0.875; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.15 ng/L LOQ: 0.495 ng/L	<LOD	110 ng/L	16.77 ng/L (AM)	10th: 2.09 ng/L; 25th: 5.03 ng/L; 50th: 8.45 ng/L; 75th: 13 ng/L; 90th: 32 ng/L;	26.56 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Blum et al. 2018 ***HERO ID:*** *4829919* *OQD:* High	River Fyris, Uppsala municipality, SE Scenario: 2-week water samples from a river (n = 12; DF = 1.0; Sampling Period: Dec., 2014 - Sept., 2015)	LOD: 0.30 pg/uL LOQ: 0.99 pg/uL	6.1 ng/POCIS	150 ng/POCIS	34.6 ng/POCIS (AM)	10th: 7.6 ng/POCIS; 25th: 14.5 ng/POCIS; 50th: 21 ng/POCIS; 75th: 36.8 ng/POCIS; 90th: 59.1 ng/POCIS;	39.6 ng/POCIS (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (summer) (n = 3; DF = NR; Sampling Period: Jul., 2016)	LOD: 0.13 ng/L LOQ: Not Reported	NR	NR	9.8 ng/L (AM)	NR	0.9 ng/L (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (fall) (n = 3; DF = NR; Sampling Period: Nov., 2016)	LOD: 0.13 ng/L LOQ: Not Reported	NR	NR	88 ng/L (AM)	NR	25 ng/L (ASD)
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (winter) (n = 3; DF = 0; Sampling Period: Jan., 2017)	LOD: 0.13 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gadelha et al. 2019 ***HERO ID:*** *5305891* *OQD:* High	Aveiro, Canal de Mira, PT Scenario: Water from oyster production area (spring) (n = 3; DF = 0; Sampling Period: May, 2017)	LOD: 0.13 ng/L LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water downstream of the Ann infiltration facility (A-SW1) (n = 2; DF = 0; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	NR	ND	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water upstream of the Storlien infiltration facility (St-SWR2) (n = 2; DF = 0; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	NR	ND	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water from a lake adjacent to the Ann infiltration facility (A-SW2) (n = 2; DF = 0; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	NR	<LOQ	NR	NR	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Surface water downstream of the Storlien infiltration facility (St-SW1) (n = 2; DF = 1; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24 ng/L	POINT VALUE(S): [31 ng/L; 34 ng/L]				
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Pond Eastpark (n = 42; DF = NR; Sampling Period: Jun., 2008 - May, 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	NR	5th: 9 ng/L; 50th: 23 ng/L; 95th: 66 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Oxbow Lake Nidda (n = 41; DF = NR; Sampling Period: Jun., 2008 - May, 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	NR	5th: 14 ng/L; 50th: 61 ng/L; 95th: 184 ng/L;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Meerfelder Maar lake (n = 20; DF = NR; Sampling Period: Jun., 2007 - May, 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	NR	5th: <LOQ; 50th: 3 ng/L; 95th: 15 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Holzmaar lake (n = 20; DF = NR; Sampling Period: Jun., 2007 - May, 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	NR	5th: <LOQ; 50th: 3 ng/L; 95th: 9 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Lake Windsborn (n = 20; DF = NR; Sampling Period: Jun., 2007 - May, 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	NR	5th: <LOQ; 50th: 3 ng/L; 95th: 27 ng/L;	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Schmalwasser Dam (n = 2; DF = NR; Sampling Period: Oct., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	15 ng/L (AM)	NR	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Ohra Dam (n = 2; DF = NR; Sampling Period: Oct., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	22 ng/L (AM)	NR	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Leutsche Dam (n = 2; DF = NR; Sampling Period: Oct., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	33 ng/L (AM)	NR	NR
Regnery et al. 2010 ***HERO ID:*** *5469263* *OQD:* High	Central to western region of Germany, DE Scenario: Surface water from Lake Guckai (n = 2; DF = NR; Sampling Period: Oct., 2009)	LOD: 1 ng/L LOQ: 3 ng/L	NR	NR	6 ng/L (AM)	NR	NR
Scott et al. 2014 ***HERO ID:*** *5469274* *OQD:* High	New South Wales; Queensland; Victoria; Western Australia; Northern Territory; South Australia, AU Scenario: Water from 73 rivers (n = 285; DF = 0.44; Sampling Period: May, 2011 - Feb., 2012)	LOD: Not Reported LOQ: 10 ng/L	NR	184 ng/L	19 ng/L (AM)	50th: <LOQ; 95th: 89 ng/L;	2 ng/L (SE)
Mcdonough et al. 2018 ***HERO ID:*** *5469295* *OQD:* High	Fram Strait, GL Scenario: Deep-water moorings from 2 remote sites (n = 9; DF = 0.22; Sampling Period: Jun., 2014 - Jul., 2015)	LOD: 9.22 pg/L LOQ: Not Reported	<LOD	390 pg/L	81 pg/L (AM)	50th: <LOD;	NR
Mcdonough et al. 2018 ***HERO ID:*** *5469295* *OQD:* High	Canadian Arctic archipelago, CA Scenario: Surface waters from lakes and ocean remote sites (n = 9; DF = 0.44; Sampling Period: May, 2015 - Sept., 2016)	LOD: 1708-14621 pg/L LOQ: Not Reported	<LOD	3800 pg/L	1300 pg/L (AM)	50th: 1200 pg/L;	NR
Mcdonough et al. 2018 ***HERO ID:*** *5469295* *OQD:* High	Canadian Arctic archipelago, CA Scenario: Marine water from a remote site (n = 4; DF = 1; Sampling Period: May, 2015 - Aug., 2016)	LOD: 220 pg/L LOQ: Not Reported	820 pg/L	2000 pg/L	1400 pg/L (AM)	50th: 1300 pg/L;	NR
Choo et al. 2018 ***HERO ID:*** *5469301* *OQD:* High	Andong; Waegwan; Dalseong; Kimhae, KR Scenario: River water with potential pollution from industrial facilities (n = 4; DF = 1; Sampling Period: Sept., 2015 - Nov., 2015)	LOD: 0.24 ng/L LOQ: Not Reported	15.00 ng/L	234.00 ng/L	125.15 ng/L (AM)	50th: 125.8 ng/L;	99.76 ng/L (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gustavsson et al. 2018 ***HERO ID:*** *5499542* *OQD:* High	Eastern coast, SE Scenario: Mouth or lake outlet of 23 rivers with potentially high pollution by flame retardant (n = 28; DF = 0.56; Sampling Period: Oct., 2013)	LOD: 0.68 ng/L LOQ: 2.3 ng/L	<LOD	6.6 ng/L	6 ng/L (AM)	25th: 3.3 ng/L; 50th: 4.8 ng/L; 75th: 8.4 ng/L;	NR
Schmidt et al. 2020 ***HERO ID:*** *6966453* *OQD:* High	Rhone River, Arles, FR Scenario: Surface water 15 km downstream from two WWTP effluents (n = 22; DF = 0.90; Sampling Period: May, 2017 - Apr., 2018)	LOD: Not Reported LOQ: 0.19 ng/L	<LOQ	25.0 ng/L	10.8 ng/L (AM)	50th: 6.1 ng/L;	8.9 ng/L (ASD)

Table 15: Data Extraction Tables of Exposure Monitoring Studies for Terrestrial Species

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Aston et al. 1996 ***HERO ID:*** *5469881* *OQD:* Medium	California, US Scenario: Pine needles from Sierra Nevada foothills (n = 9; DF = 0.67; Sampling Period: Jun., 1993 - May, 1994)	LOD: Not Reported LOQ: 2.5 ng/g	POINT VALUE(S): [410 ng/g; 1950 ng/g; 281 ng/g; 248 ng/g; 14.6 ng/g; 10.0 ng/g; <LOQ; <LOQ; <LOQ]				
Evenset et al. 2009 ***HERO ID:*** *6992056* *OQD:* Medium	Svalbard, NO Scenario: Seabird liver (Kittiwakes and common eiders) (n = 13; DF = 0.62; Sampling Period: Summer, 2004 - Summer, 2008)	LOD: 1.5 ng/g LOQ: Not Reported	POINT VALUE(S): [4.6 ng/g; 3.5 ng/g; <1.5 ng/g; <0.6 ng/g; 4.7 ng/g; <1.5 ng/g; 2.8 ng/g; 1.9 ng/g; 1.6 ng/g; 2.8 ng/g; <0.6 ng/g; 4.7 ng/g; <0.6 ng/g]				
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo (Dronningparken/Slottsparken, Frognerseteren/Holmenkollen, Grønmo, Alnabru, VEAS), NO Scenario: Earthworms from terrestrial urban environments (n = 5; DF = 1; Sampling Period: 2018)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.87 ng/g (AM)	NR	NR
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo, NO Scenario: Sparrowhawk egg samples from terrestrial urban environments (n = 3; DF = 0; Sampling Period: 2017 - 2018)	LOD: 0.1 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo, NO Scenario: Brown rat liver samples from terrestrial urban environments (n = 3; DF = 0; Sampling Period: 2017 - 2018)	LOD: 0.23 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo (Sørkedalen, Hellerudmyra), NO Scenario: Red fox liver samples from terrestrial urban environments (n = 10; DF = 0; Sampling Period: 2017 - 2018)	LOD: 0.05 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Heimstad et al. 2019 ***HERO ID:*** *7002451* *OQD:* High	Oslo (Kryssbydalen, Maridalen, Sørkedalen), NO Scenario: Badger liver samples from terrestrial urban environments (n = 8; DF = 0; Sampling Period: 2017 - 2018)	LOD: 0.05 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Heimstad et al. 2018 ***HERO ID:*** *7296058* *OQD:* Medium	Oslo, NO Scenario: Earthworms from terrestrial urban environments (n = 5; DF = NR; Sampling Period: 2017)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.15 ng/g (AM)	NR	NR
Heimstad et al. 2018 ***HERO ID:*** *7296058* *OQD:* Medium	Oslo, NO Scenario: Tawny owl egg samples from terrestrial urban environments (n = 3; DF = NR; Sampling Period: 2017)	LOD: Not Reported LOQ: Not Reported	NR	NR	0.06 ng/g (AM)	NR	NR
Eulaers et al. 2014 ***HERO ID:*** *2542346* *OQD:* Medium	Trøndelag, NO Scenario: Body feathers of white-tailed eagle nestlings (n = 21; DF = 1; Sampling Period: 2011)	LOD: Not Reported LOQ: 1.00 ng/g	14 ng/g	3000 ng/g	NR	50th: 110 ng/g;	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Eulaers et al. 2014 ***HERO ID:*** *2542346* *OQD:* Medium	Trøndelag, NO Scenario: Plasma of white-tailed eagle nestlings (n = 17; DF = 0; Sampling Period: 2011)	LOD: Not Reported LOQ: 0.20 ng/g	NR	NR	<LOQ	NR	NR
Huber et al. 2015 ***HERO ID:*** *2823276* *OQD:* High	Sklinna and Rost, NO Scenario: Pooled eggs from herring gull from 2 remote islands (n = 6; DF = 1; Sampling Period: May, 2012 - Jun., 2012)	LOD: Not Reported LOQ: Not Reported	13.00 ng/g	39.00 ng/g	20.83 ng/g (AM)	50th: 15.50 ng/g;	10.74 ng/g (ASD)
Huber et al. 2015 ***HERO ID:*** *2823276* *OQD:* High	Sklinna and Rost, NO Scenario: Pooled eggs from common eider from 2 remote islands (n = 4; DF = 1; Sampling Period: May, 2012 - Jun., 2012)	LOD: Not Reported LOQ: Not Reported	6.00 ng/g	25.00 ng/g	15.25 ng/g (AM)	50th: 15.00 ng/g;	8.14 ng/g (ASD)
Huber et al. 2015 ***HERO ID:*** *2823276* *OQD:* High	Sklinna and Rost, NO Scenario: Pooled eggs from European shag from 2 remote islands (n = 6; DF = 1; Sampling Period: May, 2012 - Jun., 2012)	LOD: Not Reported LOQ: Not Reported	13.00 ng/g	38.00 ng/g	23.00 ng/g (AM)	50th: 19.00 ng/g;	10.58 ng/g (ASD)
Brandsma et al. 2015 ***HERO ID:*** *2935128* *OQD:* High	Not Reported, NL Scenario: Bird, egg (whole), c. tern from industrial area near Western Scheldt estuary (n = 5; DF = 0; Sampling Period: Sept., 2008)	LOD: 0.26 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Fernie et al. 2017 ***HERO ID:*** *3975118* *OQD:* Medium	Great Lakes-St. Lawrence River Basin, CA Scenario: Plasma from peregrine nestlings (n = 29; DF = 0.38; Sampling Period: 2010)	LOD: 0.05-0.1 ng/g LOQ: 0.2-0.3 ng/g	<LOD	2.0 ng/g	NR	NR	NR
Henríquez-Hernández et al. 2017 ***HERO ID:*** *3984272* *OQD:* High	Gran Canaria, Canary Islands, Spain, ES Scenario: Cat serum from pet cats (n = 22; DF = 1; Sampling Period: Oct., 2016 - Nov., 2016)	LOD: Not Reported LOQ: 0.03-0.015 ng/mL	NR	NR	12.10 ng/g (AM)	50th: 7.15 ng/g;	17.43 ng/g (ASD)
Chen et al. 2012 ***HERO ID:*** *4181327* *OQD:* Medium	Channel-Shelter Island, CA Scenario: Concentrations in homogenates of 13 individual herring gull eggs (n = 13; DF = 0.77; Sampling Period: 2010)	LOD: Not Reported LOQ: 0.1 ng/g	<LOQ	0.55 ng/g	0.19 ng/g (AM)	10th: <LOQ; 50th: 0.17 ng/g; 75th: 0.12 ng/g; 90th: 0.27 ng/g;	0.13 ng/g (ASD)
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Egg yolks from 8 herring gulls (n = 16; DF = >0.5; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	1.38 ng/g (AM)	NR	0.31 ng/g (SE)
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Egg albumen from 8 herring gulls (n = 16; DF = >0.5; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	1.46 ng/g (AM)	NR	0.77 ng/g (SE)
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird fat (adipose) tissue from 8 herring gulls (n = 8; DF = >0.5; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	0.65 ng/g (AM)	NR	0.25 ng/g (SE)

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Table 15 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird muscle from 8 herring gulls (n = 8; DF = 0.38; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	<LOQ	1.51 ng/g	NR	NR	NR
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird liver from 8 herring gulls (n = 8; DF = 0; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	ND	NR	NR
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird brain from 8 herring gulls (n = 8; DF = 0; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	ND	NR	NR
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird red blood cell from 8 herring gulls (n = 8; DF = 0; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	ND	NR	NR
Greaves et al. 2014 ***HERO ID:*** *4931691* *OQD:* Medium	Chantry Island, Lake Huron, CA Scenario: Bird blood plasma from 8 herring gulls (n = 8; DF = 0; Sampling Period: Apr., 2010)	LOD: 0.03 ng/g LOQ: 0.1 ng/g	NR	NR	ND	NR	NR
Monclús et al. 2018 ***HERO ID:*** *5017003* *OQD:* High	Sierra Guadarrama Madrid, ES Scenario: Juvenile contour feathers from cinereous vultures (n = 7; DF = 0.43; Sampling Period: Spring, 2016)	LOD: Not Reported LOQ: 1.0 ng/g	<LOQ	18.2 ng/g	6.04 ng/g (AM)	50th: <LOQ;	2.89 ng/g (SE)
Monclús et al. 2018 ***HERO ID:*** *5017003* *OQD:* High	Sierra Guadarrama Madrid, ES Scenario: Down feathers from cinereous vultures (n = 7; DF = 0.43; Sampling Period: Spring, 2016)	LOD: Not Reported LOQ: 1 ng/g	<LOQ	10.6 ng/g	2.41 ng/g (AM)	50th: <LOQ;	1.40 ng/g (SE)
Greaves et al. 2016 ***HERO ID:*** *5162769* *OQD:* Medium	Lake Ontario, CA,US Scenario: Herring Gull eggs from Toronto Harbour (n = 11; DF = 0.64; Sampling Period: Spring, 1990 - Spring, 2010)	LOD: Not Reported LOQ: 0.06 - 0.20 ng/g	<LOQ	1.59 ng/g	0.73 ng/g (AM)	10th: <LOQ; 25th: <LOQ; 50th: 0.92 ng/g; 75th: 1.31 ng/g; 90th: 1.5 ng/g;	0.67 ng/g (ASD)
Greaves et al. 2016 ***HERO ID:*** *5162769* *OQD:* Medium	Lake Huron, CA,US Scenario: Herring Gull eggs from Chantry Island (n = 11; DF = 0.36; Sampling Period: Spring, 1990 - Spring, 2010)	LOD: Not Reported LOQ: 0.06 - 0.20 ng/g	<LOQ	0.7 ng/g	0.18 ng/g (AM)	10th: <LOQ; 25th: <LOQ; 50th: <LOQ; 75th: 0.35 ng/g; 90th: 0.55 ng/g;	0.27 ng/g (ASD)
Greaves et al. 2016 ***HERO ID:*** *5162769* *OQD:* Medium	Lake Erie, CA,US Scenario: Herring Gull eggs from Fighting Island (n = 11; DF = 0.45; Sampling Period: Spring, 1990 - Spring, 2010)	LOD: Not Reported LOQ: 0.06 - 0.20 ng/g	<LOQ	2.71 ng/g	0.35 ng/g (AM)	10th: <LOQ; 25th: <LOQ; 50th: <LOQ; 75th: 0.215 ng/g; 90th: 0.55 ng/g;	0.80 ng/g (ASD)
Greaves et al. 2016 ***HERO ID:*** *5162769* *OQD:* Medium	Lake Superior, CA,US Scenario: Herring Gull eggs from Agawa Rocks (n = 11; DF = 0.91; Sampling Period: Spring, 1990 - Spring, 2010)	LOD: Not Reported LOQ: 0.06 - 0.20 ng/g	<LOQ	3.32 ng/g	0.72 ng/g (AM)	10th: 0.11 ng/g; 25th: 0.345 ng/g; 50th: 0.44 ng/g; 90th: 0.645 ng/g;	0.91 ng/g (ASD)

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Table 15 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Greaves et al. 2016 ***HERO ID:*** *5162769* *OQD:* Medium	Lake Michigan, CA,US Scenario: Herring Gull eggs from Gull Island (n = 11; DF = 0.82; Sampling Period: Spring, 1990 - Spring, 2010)	LOD: Not Reported LOQ: 0.06 - 0.20 ng/g	<LOQ	1.22 ng/g	0.70 ng/g (AM)	10th: <LOQ; 25th: 0.545 ng/g; 50th: 0.7 ng/g; 75th: 0.995 ng/g; 90th: 1.14 ng/g;	0.42 ng/g (ASD)
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Liver of Kittiwake (n = 12; DF = 0.42; Sampling Period: Jun., 2009 - Jul., 2009)	LOD: Not Reported LOQ: Not Reported	<LOD	12.95 ng/g	NR	50th: 7.89 ng/g;	1.26 ng/g (SE)
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Egg of Glaucous gull (n = 12; DF = 0.083; Sampling Period: Jun., 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	10.79 ng/g	NR	50th: 10.79 ng/g;	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Liver of Artic fox (n = 10; DF = 0; Sampling Period: Jan., 2010 - Mar., 2010)	LOD: 0.2-1.8 ng/g LOQ: Not Reported	ND	ND	NR	NR	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Egg of Brunnich's guillermot collected in 2008 (n = 5; DF = 0; Sampling Period: Jun., 2008)	LOD: <0.6-0.7 ng/g LOQ: Not Reported	ND	ND	NR	NR	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Plasma of polar bear collected in 2008 (n = 10; DF = 0.1; Sampling Period: Apr., 2008)	LOD: Not Reported LOQ: Not Reported	<LOD	1.91 ng/g	NR	50th: 1.91 ng/g;	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Egg of Brunnich's guillermot collected in 2007 (n = 5; DF = 0; Sampling Period: Jun., 2007)	LOD: 0.6-0.7 ng/g LOQ: Not Reported	ND	ND	NR	NR	NR
Hallanger et al. 2015 ***HERO ID:*** *5162922* *OQD:* High	Svalbard Archipelago, NO Scenario: Plasma of polar bear collected in 2010 (n = 10; DF = 0.1; Sampling Period: Apr., 2010)	LOD: Not Reported LOQ: Not Reported	<LOD	52.5 ng/g	NR	50th: 52.5 ng/g;	NR
Guo et al. 2018 ***HERO ID:*** *5166846* *OQD:* Medium	Great Lakes region, Michigan, US Scenario: Bald eagle eggs from nests located more than 8.0 km from the shorelines of the Great Lakes (inland) (n = 11; DF = 0.45; Sampling Period: 2000 - 2012)	LOD: 1.74 ng/g LOQ: Not Reported	NR	NR	3.26 ng/g (GM)	NR	NR
Guo et al. 2018 ***HERO ID:*** *5166846* *OQD:* Medium	Great Lakes region, Michigan, US Scenario: Bald eagle plasma located more than 8.0 km from the shorelines of the Great Lakes (inland) (n = 13; DF = 0; Sampling Period: 2000 - 2012)	LOD: 0.00 ng/g LOQ: Not Reported	NR	NR	<LOD	NR	NR
Guo et al. 2018 ***HERO ID:*** *5166846* *OQD:* Medium	Great Lakes region, Michigan, US Scenario: Bald eagle eggs from nests located less than 8.0 km from the shorelines of the Great Lakes (n = 11; DF = 0.63; Sampling Period: 2000 - 2012)	LOD: 1.74 ng/g LOQ: Not Reported	NR	NR	3.29 ng/g (GM)	NR	NR

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Table 15 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Guo et al. 2018 ***HERO ID:*** *5166846* *OQD:* Medium	Great Lakes region, Michigan, US Scenario: Bald eagle plasma from nests located less than 8.0 km from the shorelines of the Great Lakes (n = 11; DF = 0; Sampling Period: 2000 - 2012)	LOD: 0.00 ng/g LOQ: Not Reported	NR	NR	ND	NR	NR
Stubbings et al. 2018 ***HERO ID:*** *5167023* ‡ *OQD:* High *BCEP*	Michigan, US Scenario: Bald eagle eggs near Michigan Great Lakes (n = 10; DF = 1; Sampling Period: 2000 - 2012)	LOD: Not Reported LOQ: Not Reported	0.38 ng/g	23 ng/g	3.8 ng/g (GM)	50th: 3.5 ng/g;	2.3 ng/g (SE)
Stubbings et al. 2018 ***HERO ID:*** *5167023* ‡ *OQD:* High *BCEP*	Michigan, US Scenario: Bald eagle eggs inland Michigan (n = 11; DF = 1; Sampling Period: 2000 - 2012)	LOD: Not Reported LOQ: Not Reported	2.8 ng/g	26 ng/g	7.4 ng/g (GM)	50th: 6.3 ng/g;	2.5 ng/g (SE)

‡ Data extraction results are for metabolite concentrations.

Table 16: Data Extraction Tables of Exposure Monitoring Studies for Wastewater

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Hutchins et al. 1984 ***HERO ID:*** *1316091* *OQD:* Medium	Northwest of Boston, Massachusetts, US Scenario: Imhoff tank effluent from primary treatment of domestic WWTP (n = 3; DF = 0; Sampling Period: Oct., 1978)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Woudneh et al. 2015 ***HERO ID:*** *3035593* *OQD:* Medium	Not Reported, CA Scenario: Primary sludge from secondary WWTP employing activated sludge treatment (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 0.1 ng/g LOQ: Not Reported	POINT VALUE(S): [21 ng/g]				
Woudneh et al. 2015 ***HERO ID:*** *3035593* *OQD:* Medium	Not Reported, CA Scenario: Biosolids of municipal secondary WWTP employing activated sludge treatment (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 0.1 ng/g LOQ: Not Reported	POINT VALUE(S): [4 ng/g]				
Woudneh et al. 2015 ***HERO ID:*** *3035593* *OQD:* Medium	Not Reported, CA Scenario: Raw influent into municipal secondary WWTP employing activated sludge treatment (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 1.0 ng/L LOQ: Not Reported	POINT VALUE(S): [598 ng/L]				
Woudneh et al. 2015 ***HERO ID:*** *3035593* *OQD:* Medium	Not Reported, CA Scenario: Primary effluent of municipal secondary WWTP employing activated sludge treatment (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 1.0 ng/L LOQ: Not Reported	POINT VALUE(S): [82 ng/L]				
Woudneh et al. 2015 ***HERO ID:*** *3035593* *OQD:* Medium	Not Reported, CA Scenario: Final effluent of municipal secondary WWTP employing activated sludge treatment (n = 1; DF = 1; Sampling Period: Mar., 2015)	LOD: 1.0 ng/L LOQ: Not Reported	POINT VALUE(S): [133 ng/L]				
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Stockholm, SE Scenario: STP A sludge, mix of industrial sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	3 μg/kg (AM)	NR	NR
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Gothenburg, SE Scenario: STP B sludge, mix of industrial sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	5 μg/kg (AM)	NR	NR
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Eslöv, SE Scenario: STP C sludge, food industry sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	9 μg/kg (AM)	NR	NR
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Umeå, SE Scenario: STP D sludge, hospital sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	8 μg/kg (AM)	NR	NR

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Borås, SE Scenario: STP E sludge, hospital/textile/chemical industry sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	4 µg/kg (AM)	NR	NR
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Alingsås, SE Scenario: STP F sludge, laundry industry sewage (n = 3; DF = 1; Sampling Period: Fall, 2004)	LOD: Not Reported LOQ: Not Reported	NR	NR	20 µg/kg (AM)	NR	NR
Olofsson et al. 2013 ***HERO ID:*** *4182871* *OQD:* Medium	Floda, SE Scenario: STP G sludge, household sewage (n = 3; DF = 0; Sampling Period: Fall, 2004)	LOD: 4 µg/kg LOQ: Not Reported	NR	NR	<LOD	NR	NR
Meyer et al. 2004 ***HERO ID:*** *5162720* *OQD:* Medium	North Rhine Westphalia, DE Scenario: WWTP A, Influent (n = 12; DF = NR; Sampling Period: Spring, 2003)	LOD: 6.1 ng/L LOQ: Not Reported	NR	640 ng/L	290 ng/L (AM)	NR	NR
Meyer et al. 2004 ***HERO ID:*** *5162720* *OQD:* Medium	North Rhine Westphalia, DE Scenario: WWTP A (2-stage biological treatment), Effluent (n = 12; DF = NR; Sampling Period: Spring, 2003)	LOD: 6.1 ng/L LOQ: Not Reported	NR	410 ng/L	350 ng/L (AM)	NR	NR
Meyer et al. 2004 ***HERO ID:*** *5162720* *OQD:* Medium	North Rhine Westphalia, DE Scenario: WWTP B, Influent (n = 6; DF = NR; Sampling Period: Spring, 2003)	LOD: 6.1 ng/L LOQ: Not Reported	NR	250 ng/L	180 ng/L (AM)	NR	NR
Meyer et al. 2004 ***HERO ID:*** *5162720* *OQD:* Medium	North Rhine Westphalia, DE Scenario: WWTP B (activated sludge w downstream contact filtration), Effluent (n = 6; DF = NR; Sampling Period: Spring, 2003)	LOD: 6.1 ng/L LOQ: Not Reported	NR	470 ng/L	370 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Industrial WWTP - Influent (n = 1; DF = 1; Sampling Period: Jul., 2001)	LOD: 1 ng/L LOQ: Not Reported	POINT VALUE(S): [568 ng/L]				
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: 3 Municipal WWTP - Influent (n = 3; DF = 1; Sampling Period: Jul., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	986 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: 3 Municipal WWTP - Effluent (n = 3; DF = 1; Sampling Period: Jul., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	352 ng/L (AM)	NR	NR
Fries et al. 2003 ***HERO ID:*** *5469313* *OQD:* Medium	Oderbruch, DE Scenario: Industrial WWTP - Effluent (n = 1; DF = 0; Sampling Period: Jul., 2001)	LOD: 1 ng/L LOQ: Not Reported	NR	NR	ND	NR	NR
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: Effluent from 5 WWTPs - first sample campaign (n = 5; DF = 1; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 µg/L	NR	NR	0.5 µg/L (AM)	NR	41 % (CV)

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: Effluent from 5 WWTPs - second sample campaign (n = 5; DF = 1; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 µg/L	NR	NR	0.3 µg/L (AM)	NR	59.5 % (CV)
Gourmelon et al. 2010 ***HERO ID:*** *5469315* *OQD:* Medium	Pays de la Loire, FR Scenario: Effluent from 4 WWTPs (n = 4; DF = 1; Sampling Period: Jan., 2009 - Dec., 2009)	LOD: Not Reported LOQ: 0.04 µg/L	POINT VALUE(S): [0.49 µg/L; 0.08 µg/L; 0.16 µg/L; 0.3 µg/L]				
Loraine et al. 2006 ***HERO ID:*** *5743010* *OQD:* Medium	San Diego County, CA, US Scenario: Reclaimed wastewater for nonpotable use (WWRP effluent) (n = 6; DF = 0.50; Sampling Period: Sept., 2001 - Jun., 2002)	LOD: 0.76 µg/L LOQ: Not Reported	0.80 µg/L	1.73 µg/L	1.16 µg/L (AM)	NR	NR
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002475* *OQD:* Medium	Oslo, NO Scenario: Treated STP effluent wastewater from the Bekkelaget Sewage Treatment Plant (n = 2; DF = NR; Sampling Period: 2018)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [74.74 ng/L]				
Norwegian Environment Agency et al. 2019 ***HERO ID:*** *7002475* *OQD:* Medium	Oslo, NO Scenario: Treated STP effluent sludge from the Bekkelaget Sewage Treatment Plant (n = 2; DF = NR; Sampling Period: 2018)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [2.01 ng/g]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Influent Wastewater Collected at small Swedish STP (n = 2; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [290 ng/L; 390 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Influent Wastewater Collected at large (industrial) Swedish STP (n = 4; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [90 ng/L; 420 ng/L; 600 ng/L; 370 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Influent Wastewater Collected at medium (industrial) Swedish STP (n = 3; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [520 ng/L; 1000 ng/L; 530 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Effluent Wastewater Collected at small Swedish STP (n = 1; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [460 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Effluent Wastewater Collected at large (industrial) Swedish STP (n = 4; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [470 ng/L; 450 ng/L; 350 ng/L; 410 ng/L]				

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Effluent Wastewater Collected at medium (industrial) Swedish STP (n = 3; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.8-2.9 ng/L LOQ: Not Reported	POINT VALUE(S): [470 ng/L; 890 ng/L; 530 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Wastewater Sludge Collected at small Swedish STP (n = 4; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.2-5.1 ng/L LOQ: Not Reported	POINT VALUE(S): [6.6 ng/L; 7.2 ng/L; 14 ng/L; 37 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Wastewater Sludge Collected at large (industrial) Swedish STPs (n = 5; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.2-5.1 ng/L LOQ: Not Reported	POINT VALUE(S): [46 ng/L; 30 ng/L; 69 ng/L; 62 ng/L; 48 ng/L]				
Marklund et al. 2005 ***HERO ID:*** *8683710* *OQD:* Medium	Not Reported, SE Scenario: Wastewater Sludge Collected at medium (industrial) Swedish STP (n = 8; DF = 0; Sampling Period: 2002 - 2003)	LOD: 0.2-5.1 ng/L LOQ: Not Reported	POINT VALUE(S): [82 ng/L; 110 ng/L; 24 ng/L; 10 ng/L; 45 ng/L; 35 ng/L; 33 ng/L]				
Rodil et al. 2012 ***HERO ID:*** *1250860* *OQD:* Medium	The A Coruna metro area and town of Ponteceso in the Northwest region, ES Scenario: Influent to three small WWTPs (n = 11; DF = 1; Sampling Period: Nov., 2007 - Sept., 2008)	LOD: Not Reported LOQ: 0.01 µg/L	0.062 µg/L	0.491 µg/L	0.235 µg/L (AM)	25th: 0.158 µg/L; 50th: 0.30 µg/L; 75th: 0.491 µg/L;	NR
Rodil et al. 2012 ***HERO ID:*** *1250860* *OQD:* Medium	The A Coruna metro area and town of Ponteceso in the Northwest region, ES Scenario: Effluent from three small WWTPs (n = 11; DF = 1; Sampling Period: Nov., 2007 - Sept., 2008)	LOD: Not Reported LOQ: 0.01 µg/L	0.062 µg/L	0.619 µg/L	0.220 µg/L (AM)	25th: 0.126 µg/L; 50th: 0.22 µg/L; 75th: 0.313 µg/L;	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Residential wastewater (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 2.5 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Nail salon wastewater (n = 1; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 1.25 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Industrial laundry wastewater (n = 2; DF = 0.5; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 6.25 µg/L LOQ: Not Reported	POINT VALUE(S): [3.72 µg/L; ND]				
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Diaper service/coin laundry wastewater (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 0.29; 2.5 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Pet wash/Veterinary clinic wastewater (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 2.5; 2.9 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Hospital/Medical clinic wastewater (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 2.5; 2.9 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Manufacturers wastewater (pharmaceutical, plastic bag, paper products, beverage, and adhesives) (n = 5; DF = 0.2; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.4 µg/L; ND; ND; ND; ND]				
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: Pre-treatment WWTP Influent (n = 2; DF = 0; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: 5 or 1.25 µg/L LOQ: Not Reported	NR	NR	ND	NR	NR
Jackson et al. 2008 ***HERO ID:*** *1408465* *OQD:* Medium	Eastern shore of San Francisco Bay, US Scenario: WWTP Effluent (n = 3; DF = 0.666; Sampling Period: Aug., 2006 - Nov., 2006)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [0.373 µg/L; 0.28 µg/L; ND]				
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Residential and industrial treated wastewater effluent from Three Rivers Regional Wastewater Treatment Plant (n = 2; DF = 1; Sampling Period: 2011 - 2012)	LOD: 1 ng/L LOQ: Not Reported	473 ng/L	653 ng/L	563 ng/L (AM)	NR	NR
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Residential and industrial treated wastewater effluent from Marine Park Wastewater Treatment Plant (n = 2; DF = 1; Sampling Period: 2011 - 2012)	LOD: 1 ng/L LOQ: Not Reported	579 ng/L	1050 ng/L	814 ng/L (AM)	NR	NR
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Untreated residential laundry wastewater collected at 20 homes (n = 19; DF = 1; Sampling Period: 2011 - 2012)	LOD: 1 ng/g LOQ: Not Reported	728 ng/L	42800 ng/L	11500 ng/L (AM)	50th: 7680 ng/L;	NR
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Residential and industrial raw wastewater influent from Three Rivers Regional Wastewater Treatment Plant (n = 2; DF = 1; Sampling Period: 2011 - 2012)	LOD: 1 ng/L LOQ: Not Reported	484 ng/L	590 ng/L	537 ng/L (AM)	NR	NR
Schreder et al. 2014 ***HERO ID:*** *2528320* *OQD:* High	Longview, WA; Vancouver, WA, US Scenario: Residential and industrial raw wastewater influent from Marine Park Wastewater Treatment Plant (n = 2; DF = 1; Sampling Period: 2011 - 2012)	LOD: 1 ng/L LOQ: Not Reported	849 ng/L	1080 ng/L	964 ng/L (AM)	NR	NR
O'Brien et al. 2015 ***HERO ID:*** *3035438* *OQD:* High	ACT: Australian Capital Territory QLD: Queensland SA: South Australia TAS: Tasmania, AU Scenario: Wastewater from 24-h composite samples (n = 15; DF = 0.93; Sampling Period: Aug., 2011)	LOD: 0.2 µg/L LOQ: Not Reported	<LOD	0.6 µg/L	0.29 µg/L (AM)	10th: 0.2 µg/L; 25th: 0.2 µg/L; 50th: 0.3 µg/L; 75th: 0.3 µg/L; 90th: 0.46 µg/L;	0.13 µg/L (ASD)

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Influent wastewater from the WWTP (n = 16; DF = 1; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 0.05 ng/mL	195 ng/L	8450 ng/L	1430 ng/L (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Treated Effluent from the WWTP (n = 16; DF = 1; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 0.05 ng/mL	552 ng/L	2270 ng/L	1100 ng/L (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Influent suspended particulate matter from the WWTP (n = 16; DF = 1; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 1.0 ng/g	7.95 ng/g	54.4 ng/g	22.5 ng/g (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Effluent suspended particulate matter from the WWTP (n = 16; DF = 1; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 1.0 ng/g	4.11 ng/g	35.1 ng/g	17.9 ng/g (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Combined sludge from the WWTP (n = 13; DF = 0.62; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 1.0 ng/g	13.6 ng/g	82.5 ng/g	40.1 ng/g (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Sludge cake from the WWTP (n = 13; DF = 0.15; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 1.0 ng/g	48.6 ng/g	109 ng/g	78.9 ng/g (AM)	NR	NR
Kim et al. 2017 ***HERO ID:*** *3862000* *OQD:* High	Albany, NY, US Scenario: Ash from the WWTP (n = 12; DF = 0.75; Sampling Period: Aug., 2013 - Jun., 2015)	LOD: Not Reported LOQ: 1.0 ng/g	14.1 ng/g	198 ng/g	47.7 ng/g (AM)	NR	NR
Blum et al. 2017 ***HERO ID:*** *4143122* *OQD:* Medium	Not Reported, SE Scenario: Wastewater effluent from sewage treatment plant (n = 5; DF = 1.00; Sampling Period: Oct., 2013 - Nov., 2013)	LOD: Not Reported LOQ: 0.2 pg/uL	NR	300 ng/L	NR	50th: 230 ng/L;	NR
Blum et al. 2017 ***HERO ID:*** *4143122* *OQD:* Medium	Not Reported, SE Scenario: Effluent from soil bed (n = 5; DF = 0.60; Sampling Period: Oct., 2013 - Nov., 2013)	LOD: Not Reported LOQ: 0.2 pg/uL	NR	61 ng/L	NR	50th: 30 ng/L;	NR
Been et al. 2017 ***HERO ID:*** *4457234* *OQD:* Medium	Flanders, BE Scenario: Influent wastewater from four WWTPs (n = 8; DF = 1; Sampling Period: 2015 - 2016)	LOD: 1.1 ng/L LOQ: 3.7 ng/L	POINT VALUE(S): [211 ng/L; 244 ng/L; 219 ng/L; 212 ng/L; 237 ng/L; 316 ng/L; 328 ng/L; 389 ng/L]				
Kinney et al. 2010 ***HERO ID:*** *5428395* *OQD:* Medium	Midwest and Northwest, US Scenario: Biosolids at Site 2 (n = 3; DF = 0; Sampling Period: Apr., 2005)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR

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Table 16 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Influent wastewater at the Storlien infiltration facility (St-STI) (n = 4; DF = 1; Sampling Period: Jan., 2017 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24.0 ng/L	NR	110 ng/L	NR	50th: 80 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Effluent wastewater at the Storlien infiltration facility (St-STE) (n = 3; DF = 1; Sampling Period: Jun., 2017 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24.0 ng/L	NR	59 ng/L	NR	50th: 31 ng/L;	NR
Gao et al. 2019 ***HERO ID:*** *5428453* *OQD:* High	Are, SE Scenario: Effluent wastewater at the Ann infiltration facility (A-STE) (n = 5; DF = 0.8; Sampling Period: Nov., 2016 - Aug., 2017)	LOD: 7.2 ng/L LOQ: 24.0 ng/L	NR	90 ng/L	NR	50th: 25 ng/L;	NR
Laws et al. 2011 ***HERO ID:*** *5469289* *OQD:* High	Montebello Forebay, Los Angeles County, California, US Scenario: Reclaimed water from a research recharge basin (n = 1; DF = 1; Sampling Period: May, 2009 - Jul., 2009)	LOD: Not Reported LOQ: 200.0 ng/L	POINT VALUE(S): [400 ng/L]				
Launay et al. 2016 ***HERO ID:*** *5664394* *OQD:* High	Stuttgart, DE Scenario: Combined sewer overflows - Effluent (n = 7; DF = NR; Sampling Period: Jul., 2014 - Oct., 2014)	LOD: 50 ng/L LOQ: 100.0 ng/L	<LOD	340 ng/L	228 ng/L (AM)	50th: 270 ng/L;	NR
Launay et al. 2016 ***HERO ID:*** *5664394* *OQD:* High	Stuttgart, DE Scenario: WWTP - Influent (n = 9; DF = NR; Sampling Period: Feb., 2014 - Jul., 2014)	LOD: 50 ng/L LOQ: 100.0 ng/L	110 ng/L	610 ng/L	369 ng/L (AM)	50th: 400 ng/L;	NR

Table 17: Data Extraction Tables of Exposure Experimental Studies for Consumer Products

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Carlsson et al. 2000 ***HERO ID:*** *12782* *OQD:* Low	Stockholm, SE (Testing Location) Scenario: Measured background levels (n = 8; DF = NR)	LOD: Not Reported LOQ: 0.1 ng/m^3	NR	NR	<LOQ	NR	8 % (CV)
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in mattresses (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [890 mg/kg]				
Fang et al. 2013 ***HERO ID:*** *1676728* *OQD:* Medium	Various US states, US (Product source) Scenario: Measured concentration in foam from baby products (n = 12; DF = 1)	LOD: Not Reported LOQ: Not Reported	1.1 million ng/g	5.9 million ng/g	3.6 million ng/g (AM)	NR	1.6 million ng/g (ASD)
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, rear cover (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [7 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, front cover (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [4 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, power board (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, PC board for fluorescent (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [4 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, other PC boards (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [9 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 1, LCD panel (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 2, rear cover (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 2, front cover (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 2, PC board for power supply and fluorescent (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [5.5 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 2, other PC boards (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [7 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, LCD television 2, LCD panel (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, chassis (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [16 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, key-board top (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, PC boards (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [14 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, cooling fan and speaker (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [120 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, AC adapter (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, laptop computer, LCD panel (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, curtain 1 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [4 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, curtain 2 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [6 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, electrical outlet 1 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [4 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, electrical outlet 2 (n = 1; DF = 0)	LOD: 8 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, wallpaper 1 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [15 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, wallpaper 2 (n = 1; DF = 0)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [<LOD]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, wallpaper 3 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [60 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, wallpaper 4 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [80 ng/g]				
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP; Korea; Thailand, JP,KR,TH (Product source) Scenario: Measured migration rates of flame retardants on the surface of computer monitors (n = 7; DF = 0)	LOD: 19.2 pg LOQ: Not Reported	NR	NR	ND	NR	NR
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP; Korea, JP,KR (Product source) Scenario: Measured migration rates of flame retardants on the surface of TV sets (n = 8; DF = 0.63)	LOD: 19.2 pg LOQ: Not Reported	ND	13 μg/m2/h	NR	50th: 1.4 μg/m2/h;	NR
Ionas et al. 2014 ***HERO ID:*** *2345985* *OQD:* High	Cities and Regions NR, CN,HK,IT,KR,NL,ES,TH,US (Product source) Scenario: Measured concentration in hard plastic children's toys (n = 50; DF = 0.14)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ionas et al. 2014 ***HERO ID:*** *2345985* *OQD:* High	Cities and Regions NR, CN,HK,IT,KR,NL,ES,TH,US (Product source) Scenario: Measured concentration in soft plastic and rubber children's toys (n = 31; DF = 0.42)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Ionas et al. 2014 ***HERO ID:*** *2345985* *OQD:* High	Cities and Regions NR, CN,HK,IT,KR,NL,ES,TH,US (Product source) Scenario: Measured concentration in wood children's toys (n = 8; DF = 0.25)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Ionas et al. 2014 ***HERO ID:*** *2345985* *OQD:* High	Cities and Regions NR, CN,HK,IT,KR,NL,ES,TH,US (Product source) Scenario: Measured concentration in foam and textile children's toys (n = 25; DF = 0.36)	LOD: Not Reported LOQ: Not Reported	NR	<LOQ	<LOQ	50th: <LOQ;	NR
Stapleton et al. 2011 ***HERO ID:*** *2648828* *OQD:* Low	Various US States; Vancouver, CA,US (Product source) Scenario: Measured concentration in flame retardant foam in baby products (n = 101; DF = 0.17)	LOD: 1 mg/g LOQ: Not Reported	1.08 mg/g	5.94 mg/g	5.91 mg/g (AM)	NR	NR
Stapleton et al. 2012 ***HERO ID:*** *2648833* *OQD:* Low	All Over the United States, US (Product source) Scenario: Measured concentration in flame retardants from a residential use couch (n = 102; DF = 0.01)	LOD: 0.2 mg/g LOQ: Not Reported	POINT VALUE(S): [5.47 mg/g]				
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 2 (n = 1; DF = 1)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [1.9 μg/g]				
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 4, group a (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 4, group b (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 4, group c (n = 3; DF = NR)	LOD: Not Reported LOQ: Not Reported	NR	NR	1.6 μg/g (AM)	NR	28 % (ASD)
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 4, group d (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
La Guardia et al. 2015 ***HERO ID:*** *3012534* *OQD:* Medium	Seattle, Washington, US (Product source) Scenario: Measured concentrations in foam blocks from gym 4, group e (n = 3; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in chlorinated water after 15 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [16 μg/L]				
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in chlorinated water after 30 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [35 μg/L]				
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in chlorinated water after 180 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [52 μg/L]				
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in chlorinated water after 1440 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [30 μg/L]				
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in ultrapure water after 180 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [34 μg/L]				
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* Medium	Sydney, AU (Product source) Scenario: Measured concentration leached from swimsuits in ultrapure water after 1440 min (n = 3; DF = NR)	LOD: Not Reported LOQ: 5 ng/L	POINT VALUE(S): [37 μg/L]				
Miyake et al. 2017 ***HERO ID:*** *4175610* *OQD:* Medium	Cities and Regions NR, CN,DE,JP,KR,VN (Product source) Scenario: Measured concentration, flame-retarded curtains, post-processing method, all samples (n = 24; DF = 0)	LOD: Not Reported LOQ: 92.2 μg/g	NR	NR	<LOQ	NR	NR
Miyake et al. 2017 ***HERO ID:*** *4175610* *OQD:* Medium	Cities and Regions NR, CN,DE,JP,KR,VN (Product source) Scenario: Measured concentration, flame-retarded curtains, flame-resistant fabrics, all samples (n = 16; DF = 0)	LOD: Not Reported LOQ: 92.2 μg/g	NR	NR	<LOQ	NR	NR
Wu et al. 2019 ***HERO ID:*** *5167126* *OQD:* High	Indiana, US (Testing Location) Scenario: Measured concentration of flame retardant in foam from child car seats (n = 5; DF = 0)	LOD: 0.02 ng/mL LOQ: Not Reported	NR	NR	<LOD	NR	NR

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Wu et al. 2019 ***HERO ID:*** *5167126* *OQD:* High	Indiana, US (Testing Location) Scenario: Measured concentration of flame retardant in fabric from child car seats (n = 15; DF = 0.53)	LOD: 0.02 ng/mL LOQ: Not Reported	<LOD	0.16 μg/g	NR	50th: 0.011 μg/g;	NR
Wu et al. 2019 ***HERO ID:*** *5167126* *OQD:* High	Indiana, US (Testing Location) Scenario: Measured concentration of flame retardant in composites from child car seats (n = 16; DF = 0.06)	LOD: 0.02 ng/mL LOQ: Not Reported	<LOD	0.12 μg/g	NR	50th: 0.12 μg/g;	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent A base, fly, mesh and wall (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent B base, fly, mesh and wall (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent C base (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	NR	NR	5.48 mg/g (AM)	NR	0.79 mg/g (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent C fly (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	NR	NR	4.33 mg/g (AM)	NR	0.58 mg/g (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent C mesh and wall (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent D base, fly, mesh and wall (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent E base (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	NR	NR	12.5 mg/g (AM)	NR	8.56 mg/g (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent E fly (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	NR	NR	2.74 mg/g (AM)	NR	4.24 mg/g (ASD)

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentration of flame retardants in tent E mesh and wall (n = NR; DF = 0)	LOD: Not Reported LOQ: Not Reported	NR	NR	ND	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Mass of flame retardant transferred to participants' hands following tent A set up (n = 15; DF = 0.59)	LOD: 18.1 ng LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Mass of flame retardant transferred to participants' hands following tent B set up (n = 15; DF = 0.59)	LOD: 18.1 ng LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Mass of flame retardant transferred to participants' hands following tent C set up (n = 15; DF = 0.59)	LOD: 18.1 ng LOQ: Not Reported	NR	NR	29.8 ng (AM)	NR	27.6 ng (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Mass of flame retardant transferred to participants' hands following tent D set up (n = 15; DF = 0.59)	LOD: 18.1 ng LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Mass of flame retardant transferred to participants' hands following tent E set up (n = 15; DF = 0.59)	LOD: 18.1 ng LOQ: Not Reported	NR	NR	659 ng (AM)	NR	348 ng (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentrations of flame retardants from air samples collected inside tent A (n = 3; DF = 0)	LOD: 18 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentrations of flame retardants from air samples collected inside tent B (n = 3; DF = 0)	LOD: 18 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentrations of flame retardants from air samples collected inside tent C (n = 3; DF = NR)	LOD: 18 ng/m^3 LOQ: Not Reported	NR	NR	326 ng/m^3 (AM)	NR	135 ng/m^3 (ASD)
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentrations of flame retardants from air samples collected inside tent D (n = 3; DF = 0)	LOD: 18 ng/m^3 LOQ: Not Reported	NR	NR	<LOD	NR	NR

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* High	Durham, North Carolina, US (Testing Location) Scenario: Measured concentrations of flame retardants from air samples collected inside tent E (n = 3; DF = NR)	LOD: 18 ng/m^3 LOQ: Not Reported	NR	NR	3160 ng/m^3 (AM)	NR	527 ng/m^3 (ASD)
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Various UK: Wembley; Harborne, Birmingham; Ladywood; Islesworth, Middx; Haywards Heath, Sussex; Colchester, Essex, GB (Product source) Scenario: Measured Concentration in domestic soft furnishing samples, PUF, wool, cotton, polyester, linen, blend (n = 14; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	NR	NR	ND	NR	NR
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 1 sample, PUF material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 2 sample, PUF material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Wembley, UK, GB (Product source) Scenario: Measured concentrations in Office 3 sample, PUF material (n = 1; DF = 1)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [5000 mg/kg]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 4 sample, PUF material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 5 sample, PUF material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 6 sample, polyester material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Birmingham, UK, GB (Product source) Scenario: Measured concentrations in Office 7 sample, polyester material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				

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Table 17 – continued from previous page

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Stubbings et al. 2016 ***HERO ID:*** *5470041* *OQD:* Medium	Walton-on-Thames, UK, GB (Product source) Scenario: Measured concentrations in Office 8 sample, polyester material (n = 1; DF = 0)	LOD: 0.00067 mg/kg LOQ: Not Reported	POINT VALUE(S): [ND]				
Gu et al. 2019 ***HERO ID:*** *5708386* *OQD:* Medium	PL (Product source) Scenario: Measured concentration of indoor air from PCABS Ivory filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [63 ng/m^3]				
Gu et al. 2019 ***HERO ID:*** *5708386* *OQD:* Medium	PL (Product source) Scenario: Measured concentration of indoor air from ABS Red filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [25 ng/m^3]				
Gu et al. 2019 ***HERO ID:*** *5708386* *OQD:* Medium	PL (Product source) Scenario: Measured concentration of indoor air from HIPS Red filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [107 ng/m^3]				
Gu et al. 2019 ***HERO ID:*** *5708386* *OQD:* Medium	PL (Product source) Scenario: Measured concentration of indoor air from PETG Black filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [12 ng/m^3]				
Gu et al. 2019 ***HERO ID:*** *5708386* *OQD:* Medium	PL (Product source) Scenario: Measured concentration of indoor air from ASA Blue filament during 3D printing (n = NR; DF = NR)	LOD: Not Reported LOQ: Not Reported	POINT VALUE(S): [59 ng/m^3]				

Table 18: Data Extraction Tables of Exposure Experimental Studies for Building Materials

Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in wood preservation coatings (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [10,000 mg/kg]				
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in wall paper (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [2400 mg/kg]				
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in polyurethane foam (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [19800 mg/kg]				
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in foam fillers (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [32000 mg/kg]				
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Product source) Scenario: Measured concentration in acoustic ceiling (n = 1; DF = NR)	LOD: 0.1-0.4 mg/kg LOQ: Not Reported	POINT VALUE(S): [68000 mg/kg]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, insulation board 1 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [9 ng/g]				
Kajiwara et al. 2011 ***HERO ID:*** *1927630* *OQD:* Medium	Tsukuba City, Ibaraki Prefecture, JP (Product source) Scenario: Measured concentration, insulation board 2 (n = 1; DF = 1)	LOD: 4 ng/g LOQ: Not Reported	POINT VALUE(S): [10 ng/g]				
Saito et al. 2007 ***HERO ID:*** *1927779* *OQD:* Medium	Tokyo, JP, JP (Product source) Scenario: Measured migration rate of flame retardant in floor, wall and ceiling (n = NR; DF = 0)	LOD: 19.2 pg LOQ: Not Reported	NR	NR	ND	NR	NR
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* High	Gallipolis Ferry, WV, US (Product source) Scenario: Measured material-phase concentration of chemical in polyisocyanurate rigid foam (n = 1; DF = 1)	LOD: Not Reported LOQ: 5 ng/mL	POINT VALUE(S): [904000000 $\mu g/m^3$]				
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* High	Gallipolis Ferry, WV, US (Product source) Scenario: Measured gas-phase concentration of chemical from polyisocyanurate rigid foam - Chamber 1 (n = 25; DF = NR)	LOD: Not Reported LOQ: 5 ng/mL	NR	NR	5.02 $\mu g/m^3$ (AM)	NR	0.54 $\mu g/m^3$ (ASD)
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* High	Gallipolis Ferry, WV, US (Product source) Scenario: Measured gas-phase concentration of chemical from polyisocyanurate rigid foam - Chamber 2 (n = NR; DF = NR)	LOD: Not Reported LOQ: 5 ng/mL	NR	NR	4.65 $\mu g/m^3$ (AM)	NR	10.4 % (ASD)

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Citation Information	Site and Data Description	Limit (LOD/LOQ)	Min	Max	Mean	Percentile	Variance
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	BE (Author Affiliation) Scenario: Measured emissions of FR-treated insulation in FLEC by PDMS/Tenax A Method (n = 2; DF = 0)	LOD: Not Reported LOQ: 171 pg/m^3	NR	NR	ND	NR	NR
Lazarov et al. 2015 ***HERO ID:*** *5165777* *OQD:* Medium	BE (Author Affiliation) Scenario: Measured emissions of FR-treated insulation in FLEC by XAD2/ISO 2013 Method (n = 2; DF = 0)	LOD: Not Reported LOQ: 10 ng/m^3	NR	NR	ND	NR	NR

Table 19: Data Extraction Tables of Exposure Modeling Studies for All Applicable Media

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer dermal intake in children	worst case estimate: 10 μg/kg bw/day				
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer dermal intake in adults	worst case estimate: 4 μg/kg bw/day				
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer total intake in children	reasonable worst case: 11 μg/kg bw/day				
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer total intake in adult	reasonable worst case: 4.5 μg/kg bw/day				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in male participants from urine concentrations	POINT VALUE(S): [4.35 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in female participants from urine concentrations	POINT VALUE(S): [7.82 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in Asian participants from urine concentrations	POINT VALUE(S): [4.59 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in Caucasian participants from urine concentrations	POINT VALUE(S): [8.72 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants less than 20 years old from urine concentrations	POINT VALUE(S): [5.89 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants 20-30 years of age from urine concentrations	POINT VALUE(S): [5.24 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants 30-40 years of age from urine concentrations	POINT VALUE(S): [2.46 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants greater than 40 years old from urine concentrations	POINT VALUE(S): [9.61 ng/kg bw/day]				

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Table 19 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants with a BMI of less than 25 from urine concentrations	POINT VALUE(S): [5.77 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants with a BMI of 25-30 from urine concentrations	POINT VALUE(S): [6.67 ng/kg bw/day]				
Wang et al. 2019 ***HERO ID:*** *5164613* *OQD:* High	Albany, NY, US (Modeled Location) Scenario: Modeled daily exposure dose in participants with a BMI of greater than 30 from urine concentrations	POINT VALUE(S): [4.11 ng/kg bw/day]				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Reverse dosimetry daily intake in toddlers 1-5yr	NR	2.5 μg/kg/day	NR	50th: 0.1 μg/kg/day;	NR

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 20: Data Extraction Tables of Exposure Modeling Studies for Ambient Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Mihajlovic et al. 2012 ***HERO ID:*** *2662833* *OQD:* Medium	Westerberg district of Osnabrueck, DE (Modeled Location) Scenario: Modeled gas phase concentration in air	POINT VALUE(S): [0.0000034 $\mu g/m^3$]				
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* Medium	Washington State, US (Modeled Location) Scenario: Modeled intake for adult via inhalation of ambient air	NR	1260 ng/day	NR	50th: 186 ng/day;	NR
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* Medium	Washington State, US (Modeled Location) Scenario: Modeled intake for children via inhalation of ambient air	NR	785 ng/day	NR	50th: 116 ng/day;	NR
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for breastmilk fed infants	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for formula fed infants	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for not formula fed infants	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for 0.5-4 years old	upper bounding estimate: 0.004 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for 5-11 years old	upper bounding estimate: 0.003 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for 12-19 years old	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for 20-59 years old	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from ambient air for 60+ years old	upper bounding estimate: 0.001 μg/kg/day				

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 21: Data Extraction Tables of Exposure Modeling Studies for Aquatic Species

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Malarvannan et al. 2015 ***HERO ID:*** *3010476* *OQD:* Medium	Flanders, BE (Modeled Location) Scenario: Modeled dietary intake from wild caught eel consumption, general population	0.0041 ng/kg/day	0.049 ng/kg/day	0.01 ng/kg/day (AM)	50th: 0.0087 ng/kg/day;	NR
Malarvannan et al. 2015 ***HERO ID:*** *3010476* *OQD:* Medium	Flanders, BE (Modeled Location) Scenario: Modeled dietary intake from wild caught eel consumption, high intake group (fishermen)	0.1 ng/kg/day	1.2 ng/kg/day	0.25 ng/kg/day (AM)	50th: 0.21 ng/kg/day;	NR

Table 22: Data Extraction Tables of Exposure Modeling Studies for Dietary

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* Medium	BE (Modeled Location) Scenario: Modeled daily dose for men from dietary ingestion	NR	NR	2.9 ng/kg bw/day (AM)	NR	NR
Poma et al. 2018 ***HERO ID:*** *4292130* *OQD:* Medium	BE (Modeled Location) Scenario: Modeled daily dose for women from dietary ingestion	NR	NR	2.6 ng/kg bw/day (AM)	NR	NR
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for breastmilk fed infants	upper bounding estimate: 0 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for formula fed infants	upper bounding estimate: 0 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for not formula fed infants	upper bounding estimate: 0.01 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for 0.5-4 years old.	upper bounding estimate: 0.009 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for 5-11 years old.	upper bounding estimate: 0.004 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for 12-19 years old.	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages 20- 59 years old.	upper bounding estimate: 0.002 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from food and beverages for 60+ years old.	upper bounding estimate: 0.002 μg/kg/day				
Poma et al. 2017 ***HERO ID:*** *5166285* *OQD:* Medium	Uppsala, SE (Modeled Location) Scenario: Modeled daily dose in adults from dietary exposure	NR: 6 ng/kg bw/day				
He et al. 2018 ***HERO ID:*** *5423396* *OQD:* Medium	AU (Modeled Location) Scenario: Modeled daily dose from dietary ingestion for adults	NR	NR	4.1 ng/kg bw/day (AM)	NR	NR

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 23: Data Extraction Tables of Exposure Modeling Studies for Drinking Water

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Low	8 Korean Cities: Seoul; Incheon; Daejeon; Qwangju; Daegu; Ulsan; Busan; Ansan, KR (Modeled Location) Scenario: Modeled daily dose from consumption of drinking water by toddlers	NR	NR	NR	50th: 0.28 ng/kg bw/day; 95th: 4.76 ng/kg bw/day;	NR
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Low	8 Korean Cities: Seoul; Incheon; Daejeon; Qwangju; Daegu; Ulsan; Busan; Ansan, KR (Modeled Location) Scenario: Modeled daily dose from consumption of drinking water by children	NR	NR	NR	50th: 0.23 ng/kg bw/day; 95th: 3.92 ng/kg bw/day;	NR
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Low	8 Korean Cities: Seoul; Incheon; Daejeon; Qwangju; Daegu; Ulsan; Busan; Ansan, KR (Modeled Location) Scenario: Modeled daily dose from consumption of drinking water by teenagers	NR	NR	NR	50th: 0.14 ng/kg bw/day; 95th: 2.37 ng/kg bw/day;	NR
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Low	8 Korean Cities: Seoul; Incheon; Daejeon; Qwangju; Daegu; Ulsan; Busan; Ansan, KR (Modeled Location) Scenario: Modeled daily dose from consumption of drinking water by adults	NR	NR	NR	50th: 0.2 ng/kg bw/day; 95th: 3.39 ng/kg bw/day;	NR
Park et al. 2018 ***HERO ID:*** *5079822* *OQD:* Medium	Seoul; Incheon; Suwon; Daejeon; Gwangju; Daegu; Andong; Busan, KR (Modeled Location) Scenario: Modeled toddler daily tap water intake	POINT VALUE(S): [1189 pg/kg bw/day]				
Park et al. 2018 ***HERO ID:*** *5079822* *OQD:* Medium	Seoul; Incheon; Suwon; Daejeon; Gwangju; Daegu; Andong; Busan, KR (Modeled Location) Scenario: Modeled child daily tap water intake	POINT VALUE(S): [983 pg/kg bw/day]				
Park et al. 2018 ***HERO ID:*** *5079822* *OQD:* Medium	Seoul; Incheon; Suwon; Daejeon; Gwangju; Daegu; Andong; Busan, KR (Modeled Location) Scenario: Modeled teenager daily tap water intake	POINT VALUE(S): [601 pg/kg bw/day]				
Park et al. 2018 ***HERO ID:*** *5079822* *OQD:* Medium	Seoul; Incheon; Suwon; Daejeon; Gwangju; Daegu; Andong; Busan, KR (Modeled Location) Scenario: Modeled adult daily tap water intake	POINT VALUE(S): [837 pg/kg bw/day]				
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from drinking water in infants	POINT VALUE(S): [0.009 μg/kg bw/day]				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for breast-milk fed infants	upper bounding estimate: 0 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for formula fed infants	upper bounding estimate: 0.006 μg/kg/day				

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Table 23 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for not formula fed infants		upper bounding estimate: 0.002 µg/kg/day			
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for 0.5- 4 years old.		upper bounding estimate: 0.002 µg/kg/day			
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for 5- 11 years old.		upper bounding estimate: 0.002 µg/kg/day			
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for 12- 19 years old.		upper bounding estimate: 0.001 µg/kg/day			
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water 20- 59 years old.		upper bounding estimate: 0.001 µg/kg/day			
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from drinking water for 60+ years old.		upper bounding estimate: 0.001 µg/kg/day			

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 24: Data Extraction Tables of Exposure Modeling Studies for Dust (Indoor)

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Ingerowski et al. 2001 ***HERO ID:*** *32734* *OQD:* Low	Western Germany, DE (Modeled Location) Scenario: Modeled inhalation exposure to indoor dust	0.2 μg/day	2 μg/day	NR	NR	NR
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Low	Wellington, Wairarapa, Christchurch, North Canterbury, NZ (Modeled Location) Scenario: Modeled daily exposure dose for adult via mean ingestion rate of indoor dust	NR	NR	NR	5th: 0.01 ng/kg bw/day; 50th: 0.02 ng/kg bw/day; 95th: 0.12 ng/kg bw/day;	NR
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Low	Wellington, Wairarapa, Christchurch, North Canterbury, NZ (Modeled Location) Scenario: Modeled daily exposure dose for adult via high ingestion rate of indoor dust	NR	NR	NR	5th: 0.01 ng/kg bw/day; 50th: 0.06 ng/kg bw/day; 95th: 0.29 ng/kg bw/day;	NR
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Low	Wellington, Wairarapa, Christchurch, North Canterbury, NZ (Modeled Location) Scenario: Modeled daily exposure dose for toddler via mean ingestion rate of indoor dust	NR	NR	NR	5th: 0.08 ng/kg bw/day; 50th: 0.34 ng/kg bw/day; 95th: 1.71 ng/kg bw/day;	NR
Ali et al. 2012 ***HERO ID:*** *1927602* *OQD:* Low	Wellington, Wairarapa, Christchurch, North Canterbury, NZ (Modeled Location) Scenario: Modeled daily exposure dose for toddler via high ingestion rate of indoor dust	NR	NR	NR	5th: 0.33 ng/kg bw/day; 50th: 1.36 ng/kg bw/day; 95th: 6.83 ng/kg bw/day;	NR
Marklund et al. 2005 ***HERO ID:*** *2919497* *OQD:* Low	SE (Author Affiliation) Scenario: Modeled daily exposure dose for adult via ingestion of indoor dust	0.3 ng/kg/day	96 ng/kg/day	NR	NR	NR
Marklund et al. 2005 ***HERO ID:*** *2919497* *OQD:* Low	SE (Author Affiliation) Scenario: Modeled daily exposure dose for child via ingestion of indoor dust	2 ng/kg/day	960 ng/kg/day	NR	NR	NR
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* Medium	Washington State, US (Modeled Location) Scenario: Modeled intake for adult via ingestion of dust	NR	771 ng/day	NR	50th: 41.4 ng/day;	NR
Schreder et al. 2016 ***HERO ID:*** *3222316* *OQD:* Medium	Washington State, US (Modeled Location) Scenario: Modeled intake for children via ingestion of dust	NR	1540 ng/day	NR	50th: 82.8 ng/day;	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dust ingestion daily dose via surface dust, individual participant data	0.027 ng/kg bw/day	5.7 ng/kg bw/day	0.626 ng/kg bw/day (AM)	50th: 0.217 ng/kg bw/day;	1.217 ng/kg bw/day (ASD)
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dust ingestion daily dose via floor dust, individual participant data	0.027 ng/kg bw/day	131.2 ng/kg bw/day	3.527 ng/kg bw/day (AM)	50th: 0.179 ng/kg bw/day;	17.769 ng/kg bw/day (ASD)

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dermal absorption daily dose via surface dust, individual participant data	0.003 ng/kg bw/day	0.702 ng/kg bw/day	0.081 ng/kg bw/day (AM)	50th: 0.027 ng/kg bw/day;	0.155 ng/kg bw/day (ASD)
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dust ingestion daily dose via surface dust, general population factors	NR	NR	0.628 ng/kg bw/day (AM)	NR	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dust ingestion daily dose via floor dust, general population factors	NR	NR	3.902 ng/kg bw/day (AM)	NR	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dermal absorption daily dose via surface dust, general population factors	NR	NR	0.087 ng/kg bw/day (AM)	NR	NR
Lee et al. 2016 ***HERO ID:*** *3455908* *OQD:* Low	8 Korean Cities: Seoul; Incheon; Daejeon; Qwangju; Daegu; Ulsan; Busan; Ansan, KR (Modeled Location) Scenario: Modeled daily intake via consumption of indoor dust by adults	NR	NR	NR	50th: 0.001 ng/day;	NR
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* Low	Yokohama; Kawagoe, JP (Modeled Location) Scenario: Modeled dust ingestion daily dose from car interior - typical case	POINT VALUE(S): [0.0321 ng/kg bw/day]				
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer oral intake of dust in children	NR	0.7 µg/kg/day	NR	99th: 0.2 µg/kg/day; 95th: 0.1 µg/kg/day;	NR
ECB et al. 2009 ***HERO ID:*** *3809216* * *OQD:* Low	Unknown (Publication) Scenario: Modeled consumer oral intake of dust in adults	NR	0.017 µg/kg/day	NR	99th: 0.0033 µg/kg/day; 95th: 0.0015 µg/kg/day;	NR
Castorina et al. 2017 ***HERO ID:*** *3864462* *OQD:* Medium	Salinas Valley, CA, US (Modeled Location) Scenario: Modeled oral dose for pregnant women via residential indoor dust, CHAMACOS study	NR	0.064 µg/kg/day	NR	50th: 0.0004 µg/kg/day;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through dust ingestion of adults	NR	NR	NR	50th: 23 pg/kg body weight/day;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through dust contact of adults	NR	NR	NR	50th: 100 pg/kg body weight/day;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through dust ingestion of toddlers	NR	NR	NR	50th: 2300 pg/kg body weight/day;	NR

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through dust contact of toddlers	NR	NR	NR	50th: 350 pg/kg body weight/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled adult indoor dust ingestion dose	NR	NR	NR	5th: 0.00175 ng/kg/day; 50th: 0.00506 ng/kg/day; 95th: 0.291 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled toddler indoor dust ingestion dose	NR	NR	NR	5th: 0.0122 ng/kg/day; 50th: 0.0354 ng/kg/day; 95th: 2.03 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled adult indoor dust dermal absorption dose	NR	NR	NR	5th: 0.000468 ng/kg/day; 50th: 0.00132 ng/kg/day; 95th: 0.0759 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled toddler indoor dust dermal absorption dose	NR	NR	NR	5th: 0.00592 ng/kg/day; 50th: 0.0171 ng/kg/day; 95th: 0.984 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled adult ingestion dose of dust from inside cars	NR	NR	NR	50th: 0.00327 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled toddler ingestion dose of dust from inside cars	NR	NR	NR	50th: 0.0229 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled adult dermal absorption dose of dust from inside cars	NR	NR	NR	50th: 0.000819 ng/kg/day;	NR
Christia et al. 2018 ***HERO ID:*** *4292121* *OQD:* Medium	Thessaloniki, GR (Modeled Location) Scenario: Modeled toddler dermal absorption dose of dust from inside cars	NR	NR	NR	50th: 0.0106 ng/kg/day;	NR
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dust ingestion at kindergarten 2	POINT VALUE(S): [1.38 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dermal contact with dust at kindergarten 2	POINT VALUE(S): [0.102 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dust ingestion at kindergarten 3	POINT VALUE(S): [0.294 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dermal contact with dust at kindergarten 3	POINT VALUE(S): [0.0217 μg/kg/day]				

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dust ingestion at kindergarten 4	POINT VALUE(S): [0.251 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dermal contact with dust at kindergarten 4	POINT VALUE(S): [0.0185 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dust ingestion at primary school 1	POINT VALUE(S): [0.0118 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dermal contact with dust at primary school 1	POINT VALUE(S): [0.00209 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dust ingestion at primary school 2	POINT VALUE(S): [0.0198 μg/kg/day]				
Deng et al. 2018 ***HERO ID:*** *4292129* *OQD:* High	Hong Kong, CN (Modeled Location) Scenario: Modeled daily exposure dose from dermal contact with dust at primary school 2	POINT VALUE(S): [0.00349 μg/kg/day]				
Larsson et al. 2018 ***HERO ID:*** *4292136* *OQD:* High	Stockholm, SE (Modeled Location) Scenario: Modeled oral daily intake from preschool dust of 4-year old preschoolers.	NR	NR	NR	95th: 0.17 μg/kg bw/day;	NR
Larsson et al. 2018 ***HERO ID:*** *4292136* *OQD:* High	Stockholm, SE (Modeled Location) Scenario: Modeled dermal daily intake from preschool dust of 4-year old preschoolers.	NR	NR	NR	95th: 0.05 μg/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK houses with average ingestion rates	NR	1.79 ng/kg bw/day	NR	50th: 0.249 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Oslo, NO (Modeled Location) Scenario: Modeled adult daily dust intake from Norwegian houses with average ingestion rates	NR	0.142 ng/kg bw/day	NR	50th: 0.034 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK houses with high ingestion rates	NR	4.475 ng/kg bw/day	NR	50th: 0.624 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Oslo, NO (Modeled Location) Scenario: Modeled adult daily dust intake from Norwegian houses with high ingestion rates	NR	0.356 ng/kg bw/day	NR	50th: 0.086 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled toddler daily dust intake from UK houses with average ingestion rates	NR	25.467 ng/kg bw/day	NR	50th: 3.549 ng/kg bw/day;	NR

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Oslo, NO (Modeled Location) Scenario: Modeled toddler daily dust intake from Norwegian houses with average ingestion rates	NR	2.024 ng/kg bw/day	NR	50th: 0.488 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled toddler daily dust intake from UK houses with high ingestion rates	NR	101.87 ng/kg bw/day	NR	50th: 14.195 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Oslo, NO (Modeled Location) Scenario: Modeled toddler daily dust intake from Norwegian houses with high ingestion rates	NR	8.098 ng/kg bw/day	NR	50th: 1.951 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK offices/stores with average ingestion rates (t=8)	NR	0.684 ng/kg bw/day	NR	50th: 0.085 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK offices/stores with high ingestion rates (t=8)	NR	1.711 ng/kg bw/day	NR	50th: 0.214 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK offices/stores with average ingestion rates (t=24)	NR	1.878 ng/kg bw/day	NR	50th: 0.252 ng/kg bw/day;	NR
Kademoglou et al. 2017 ***HERO ID:*** *4433160* *OQD:* High	Reading, UK, GB (Modeled Location) Scenario: Modeled adult daily dust intake from UK offices/stores with high ingestion rates (t=24)	NR	4.694 ng/kg bw/day	NR	50th: 0.629 ng/kg bw/day;	NR
Valazquez-Gomez et al. 2019 ***HERO ID:*** *5043338* *OQD:* High	Barcelona, ES (Modeled Location) Scenario: Modeled toddler daily intake from median dust ingestion	NR	NR	NR	50th: 0.87 ng/kg/day; 95th: 6.55 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 ***HERO ID:*** *5043338* *OQD:* High	Barcelona, ES (Modeled Location) Scenario: Modeled teenager daily intake from median dust ingestion	NR	NR	NR	50th: 0.057 ng/kg/day; 95th: 0.444 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 ***HERO ID:*** *5043338* *OQD:* High	Barcelona, ES (Modeled Location) Scenario: Modeled toddler daily intake from high dust ingestion	NR	NR	NR	50th: 3.48 ng/kg/day; 95th: 26.2 ng/kg/day;	NR
Valazquez-Gomez et al. 2019 ***HERO ID:*** *5043338* *OQD:* High	Barcelona, ES (Modeled Location) Scenario: Modeled teenager daily intake from high dust ingestion	NR	NR	NR	50th: 0.143 ng/kg/day; 95th: 1.11 ng/kg/day;	NR

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in child care environment	NR	NR	NR	25th: 0.06 ng/kg/day; 50th: 0.07 ng/kg/day; 75th: 0.08 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in child care environment	NR	NR	NR	25th: 0.04 ng/kg/day; 50th: 0.05 ng/kg/day; 75th: 0.06 ng/kg/day;	NR

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.02 ng/kg/day; 75th: 0.03 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in home environment.	NR	NR	NR	25th: 0.17 ng/kg/day; 50th: 0.19 ng/kg/day; 75th: 0.2 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old -old in home environment.	NR	NR	NR	25th: 0.21 ng/kg/day; 50th: 0.23 ng/kg/day; 75th: 0.26 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in home environment.	NR	NR	NR	25th: 0.07 ng/kg/day; 50th: 0.09 ng/kg/day; 75th: 0.13 ng/kg/day;	NR

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in home environment.	NR	NR	NR	25th: 0.03 ng/kg/day; 50th: 0.04 ng/kg/day; 75th: 0.05 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in home environment.	NR	NR	NR	25th: 0.03 ng/kg/day; 50th: 0.04 ng/kg/day; 75th: 0.05 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in office environment.	NR	NR	NR	25th: 2.53 ng/kg/day; 50th: 3.06 ng/kg/day; 75th: 3.67 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in car environment.	NR	NR	NR	25th: 0.05 ng/kg/day; 50th: 0.05 ng/kg/day; 75th: 0.06 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in car environment.	NR	NR	NR	25th: 0.05 ng/kg/day; 50th: 0.06 ng/kg/day; 75th: 0.06 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in car environment.	NR	NR	NR	25th: 0.02 ng/kg/day; 50th: 0.03 ng/kg/day; 75th: 0.03 ng/kg/day;	NR

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in car environment.	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in car environment.	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from dust in infants	NR	NR	NR	99th: 0.2 μg/kg bw/day;	NR
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* High	Kuopio, FI (Modeled Location) Scenario: Modeled child indoor dust inhalation dose	NR	NR	NR	50th: 0.023 ng/kg/day;	NR
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* High	Kuopio, FI (Modeled Location) Scenario: Modeled child indoor dust ingestion dose	NR	NR	NR	50th: 2.9 ng/kg/day;	NR
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* High	Kuopio, FI (Modeled Location) Scenario: Modeled child indoor dust dermal absorption dose	NR	NR	NR	50th: 1.3 ng/kg/day;	NR
Giovanoulis et al. 2019 ***HERO ID:*** *5412073* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled daily exposure dose for preschoolers from dust ingestion, intermediate exposure	NR	NR	139 ng/kg bw/day (AM)	50th: 74.1 ng/kg bw/day; 95th: 297 ng/kg bw/day;	NR
Giovanoulis et al. 2019 ***HERO ID:*** *5412073* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled daily exposure dose for preschoolers from dust ingestion, high exposure	NR	NR	232 ng/kg bw/day (AM)	50th: 123 ng/kg bw/day; 95th: 494 ng/kg bw/day;	NR
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled adult dermal exposure dose of FR present in indoor dust from homes, offices and cars - low exposure scenario	<0.1 ng/kg bw/day	NR	NR	NR	NR
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled adult dermal exposure dose of FR present in indoor dust from homes, offices and cars - average exposure scenario	NR	NR	0.1 ng/kg bw/day (AM)	NR	NR

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Table 24 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled adult dermal exposure dose of FR present in indoor dust from homes, offices and cars - high exposure scenario	NR	3.7 ng/kg bw/day	NR	NR	NR
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled toddler dermal exposure dose of FR present in indoor dust from homes and cars - low exposure scenario	<0.1 ng/kg bw/day	NR	NR	NR	NR
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled toddler dermal exposure dose of FR present in indoor dust from homes and cars - average exposure scenario	NR	NR	0.5 ng/kg bw/day (AM)	NR	NR
Pawar et al. 2017 ***HERO ID:*** *5469614* *OQD:* Medium	GB (Modeled Location) Scenario: Modeled toddler dermal exposure dose of FR present in indoor dust from homes and cars - high exposure scenario	NR	17.4 ng/kg bw/day	NR	NR	NR
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during average dust intake using median concentrations	POINT VALUE(S): [0.8 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during high dust intake using median concentrations	POINT VALUE(S): [2 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult oral dose during high dust intake using 95th percentile concentrations	POINT VALUE(S): [13 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during average dust intake using median concentrations	POINT VALUE(S): [16 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during high dust intake using median concentrations	POINT VALUE(S): [66 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler oral dose during high dust intake using 95th percentile concentrations	POINT VALUE(S): [425 ng/kg bw/day]				

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 25: Data Extraction Tables of Exposure Modeling Studies for Human Biomonitoring

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Kim et al. 2014 ***HERO ID:*** *2921301* *OQD:* Medium	PH (Modeled Location) Scenario: Modeled infant dose via breastmilk	POINT VALUE(S): [1610 ng/kg/day]				
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dermal absorption daily dose via handwipe, individual participant data	0.008 ng/kg bw/day	0.61 ng/kg bw/day	0.088 ng/kg bw/day (AM)	50th: 0.017 ng/kg bw/day;	0.128 ng/kg bw/day (ASD)
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled dermal absorption daily dose via handwipe, general population factors	NR	NR	0.087 ng/kg bw/day (AM)	NR	NR
He et al. 2018 ***HERO ID:*** *5469782* *OQD:* Medium	Queensland, AU (Modeled Location) Scenario: Modeled infant dose via breastmilk	POINT VALUE(S): [4.57 ng/kg/day; 9.23 ng/kg/day; 16.78 ng/kg/day]				

Table 26: Data Extraction Tables of Exposure Modeling Studies for Indoor Air

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Shin et al. 2014 ***HERO ID:*** *2215665* *OQD:* Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs in a whole house from indoor surfaces	-0.267 log10 mg/day	3.552 log10 mg/day	NR	25th: 1.191 log10 mg/day; 50th: 1.685 log10 mg/day; 75th: 2.179 log10 mg/day;	NR
Marklund et al. 2005 ***HERO ID:*** *2919497* *OQD:* Low	SE (Author Affiliation) Scenario: Modeled daily exposure dose for adult via inhalation of indoor air	0.1 ng/kg/day	180 ng/kg/day	NR	NR	NR
Marklund et al. 2005 ***HERO ID:*** *2919497* *OQD:* Low	SE (Author Affiliation) Scenario: Modeled daily exposure dose for child via inhalation of indoor air	0.2 ng/kg/day	390 ng/kg/day	NR	NR	NR
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled inhalation daily dose via stationary indoor air, individual participant data	0.076 ng/kg bw/day	14.795 ng/kg bw/day	1.509 ng/kg bw/day (AM)	50th: 0.731 ng/kg bw/day;	2.634 ng/kg bw/day (ASD)
Xu et al. 2016 ***HERO ID:*** *3357642* *OQD:* Low	Oslo, NO (Modeled Location) Scenario: Modeled inhalation daily dose via stationary indoor air, general population factors	NR	NR	1.735 ng/kg bw/day (AM)	NR	NR
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* Low	Yokohama; Kawagoe, JP (Modeled Location) Scenario: Modeled dust ingestion daily dose from car interior - worst case	POINT VALUE(S): [1.9307 ng/kg bw/day]				
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* Low	Yokohama; Kawagoe, JP (Modeled Location) Scenario: Modeled inhalation daily dose from car interior - typical case	POINT VALUE(S): [0.0052 ng/kg bw/day]				
Tokumura et al. 2017 ***HERO ID:*** *3604490* *OQD:* Low	Yokohama; Kawagoe, JP (Modeled Location) Scenario: Modeled inhalation daily dose from car interior - worst case	POINT VALUE(S): [0.0052 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to inhalation of ambient air in adults (median concentration)	NR	NR	NR	50th: 0.09 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dermal dust uptake in adults (median concentration)	NR	NR	NR	50th: 0.08 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dust ingestion in adults (median concentration)	NR	NR	NR	50th: 0.05 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to inhalation of ambient air in toddlers (median concentration)	NR	NR	NR	50th: 0.08 ng/kg bw/day;	NR

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dermal dust uptake in toddlers (median concentration)	NR	NR	NR	50th: 0.87 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dust ingestion in toddlers (median concentration)	NR	NR	NR	50th: 3.3 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to inhalation of ambient air in adults (max concentration)	POINT VALUE(S): [1.1 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dermal dust uptake in adults (max concentration)	POINT VALUE(S): [1 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dust ingestion in adults (max concentration)	POINT VALUE(S): [0.57 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to inhalation of ambient air in toddlers (max concentration)	POINT VALUE(S): [0.63 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dermal dust uptake in toddlers (max concentration)	POINT VALUE(S): [10 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure due to dust ingestion in toddlers (max concentration)	POINT VALUE(S): [40 ng/kg bw/day]				
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure based on high dust ingestion rates in adults	NR	11 ng/kg bw/day	NR	50th: 0.87 ng/kg bw/day;	NR
Zhou et al. 2017 ***HERO ID:*** *3862555* *OQD:* High	Main/Rhine, DE (Modeled Location) Scenario: Modeled human exposure based on high dust ingestion rates in toddlers	NR	194 ng/kg bw/day	NR	50th: 16 ng/kg bw/day;	NR
La Guardia et al. 2017 ***HERO ID:*** *3863211* *OQD:* Medium	Greater Seattle, Washington Area, US (Modeled Location) Scenario: Modeled oral dose for adults in gymnasiums	NR	NR	0.31 ng/kg bw/day (AM)	NR	NR
La Guardia et al. 2017 ***HERO ID:*** *3863211* *OQD:* Medium	Greater Seattle, Washington Area, US (Modeled Location) Scenario: Modeled oral dose for adults in coaches' residences	NR	NR	0.31 ng/kg bw/day (AM)	NR	NR
La Guardia et al. 2017 ***HERO ID:*** *3863211* *OQD:* Medium	Greater Seattle, Washington Area, US (Modeled Location) Scenario: Modeled oral dose for adults in residences and offices	NR	NR	3.66 ng/kg bw/day (AM)	NR	NR

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Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through inhalation of adults	NR	NR	NR	50th: 680 pg/kg body weight/day;	NR
He et al. 2018 ***HERO ID:*** *4285929* *OQD:* Medium	Brisbane; Canberra, AU (Modeled Location) Scenario: Modeled human intake through inhalation of toddlers	NR	NR	NR	50th: 1100 pg/kg body weight/day;	NR
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* Medium	Gallipolis Ferry, WV, US (Product Source) Scenario: Modeled concentration from microchamber test of PIR foam	NR	NR	8.43 $\mu g/m^3$ (AM)	NR	NR
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* Medium	Gallipolis Ferry, WV, US (Product Source) Scenario: Modeled concentration from diffusive sampling test of PIR foam	NR	NR	4.33 $\mu g/m^3$ (AM)	NR	NR
Liang et al. 2018 ***HERO ID:*** *4442465* *OQD:* Medium	Gallipolis Ferry, WV, US (Product Source) Scenario: Modeled concentration from small chamber sorption test of PIR foam	POINT VALUE(S): [116.47 $\mu g/m^3$]				
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Uppsala, Sweden, SE (Modeled Location) Scenario: Modeled adult daily inhalation dose in homes	<0.56 pg/kg BW/day	120 pg/kg BW/day	32 pg/kg BW/day (AM)	50th: 19 pg/kg BW/day;	NR
Sha et al. 2018 ***HERO ID:*** *5083520* *OQD:* High	Uppsala, Sweden, SE (Modeled Location) Scenario: Modeled adult daily inhalation dose in offices	<0.36 pg/kg BW/day	6.5 pg/kg BW/day	3.3 pg/kg BW/day (AM)	50th: 3.3 pg/kg BW/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in office environment.	NR	NR	NR	NR	NR

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Table 26 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in office environment.	NR	NR	NR	NR	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in child care environment	NR	NR	NR	25th: 0.06 ng/kg/day; 50th: 0.07 ng/kg/day; 75th: 0.08 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in child care environment	NR	NR	NR	25th: 0.04 ng/kg/day; 50th: 0.05 ng/kg/day; 75th: 0.06 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.02 ng/kg/day; 75th: 0.03 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in child care environment	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR

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Table 26 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in home environment.	NR	NR	NR	25th: 0.17 ng/kg/day; 50th: 0.19 ng/kg/day; 75th: 0.2 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old -old in home environment.	NR	NR	NR	25th: 0.21 ng/kg/day; 50th: 0.23 ng/kg/day; 75th: 0.26 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in home environment.	NR	NR	NR	25th: 0.07 ng/kg/day; 50th: 0.09 ng/kg/day; 75th: 0.13 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in home environment.	NR	NR	NR	25th: 0.03 ng/kg/day; 50th: 0.04 ng/kg/day; 75th: 0.05 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in home environment.	NR	NR	NR	25th: 0.03 ng/kg/day; 50th: 0.04 ng/kg/day; 75th: 0.05 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in office environment.	NR	NR	NR	25th: 2.53 ng/kg/day; 50th: 3.06 ng/kg/day; 75th: 3.67 ng/kg/day;	NR

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Table 26 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for <1 year-old in car environment.	NR	NR	NR	25th: 0.05 ng/kg/day; 50th: 0.05 ng/kg/day; 75th: 0.06 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 1 - < 3-year-old in car environment.	NR	NR	NR	25th: 0.05 ng/kg/day; 50th: 0.06 ng/kg/day; 75th: 0.06 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 3 - < 12-year-old in car environment.	NR	NR	NR	25th: 0.02 ng/kg/day; 50th: 0.03 ng/kg/day; 75th: 0.03 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for 12 - < 18-year-old in car environment.	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
Toxicology Excellence for Risk Assessment (TERA)Toxicology Excellence for Risk Assessment (TERA), 2016 ***HERO ID:*** *5155521* * *OQD:* High	US (Modeled Location) Scenario: Modeled probabilistic exposure assessment for >= 18-year-old in car environment.	NR	NR	NR	25th: 0.01 ng/kg/day; 50th: 0.01 ng/kg/day; 75th: 0.01 ng/kg/day;	NR
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for breastmilk fed infants	upper bounding estimate: 0.09 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for formula fed infants	upper bounding estimate: 0.09 μg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for not formula fed infants	upper bounding estimate: 0.09 μg/kg/day				

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Table 26 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for 0.5- 4 years old.	upper bounding estimate: 0.2 µg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for 5- 11 years old.	upper bounding estimate: 0.2 µg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for 12- 19 years old.	upper bounding estimate: 0.09 µg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for 20- 59 years old.	upper bounding estimate: 0.08 µg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from indoor air for 60+ years old.	upper bounding estimate: 0.07 µg/kg/day				
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* High	Kuopio, FI (Modeled Location) Scenario: Modeled child indoor air inhalation dose	NR	NR	NR	50th: 12 ng/kg/day;	NR
Rantakokko et al. 2019 ***HERO ID:*** *5163693* *OQD:* High	Kuopio, FI (Modeled Location) Scenario: Modeled child indoor air dermal absorption dose	NR	NR	NR	50th: 86 ng/kg/day;	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* Low	US (Author Affiliation) Scenario: Modeled daily exposure dose to chemical for adult via inhalation in tent brands C or E	22 ng/kg bw/day	210 ng/kg bw/day	NR	NR	NR
Gomes et al. 2016 ***HERO ID:*** *5176516* *OQD:* Low	US (Author Affiliation) Scenario: Modeled daily exposure dose to chemical for child via inhalation in tent brands C or E	41 ng/kg bw/day	398 ng/kg bw/day	NR	NR	NR
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during average air intake using median concentrations	POINT VALUE(S): [0.6 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled adult inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [5 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during average air intake using median concentrations	POINT VALUE(S): [2.6 ng/kg bw/day]				
Luongo et al. 2016 ***HERO ID:*** *5469670* *OQD:* Medium	Stockholm, SE (Modeled Location) Scenario: Modeled toddler inhalation dose during high air intake using 95th percentile concentrations	POINT VALUE(S): [21 ng/kg bw/day]				

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Table 26 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 27: Data Extraction Tables of Exposure Modeling Studies for Other

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU (Modeled Location) Scenario: Modeled daily dose from incidental ingestion of swimming pool water	NR	0.0000004 mg/kg/day	NR	NR	NR
Teo et al. 2016 ***HERO ID:*** *3464010* *OQD:* High	Sydney, NSW, AU (Modeled Location) Scenario: Modeled daily dose from dermal absorption of swimming pool water	NR	0.00000001 mg/kg/day	NR	NR	NR
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from mattress dermal contact in infants	POINT VALUE(S): [1365.1 μg/kg bw/day]				
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from mattress mouthing in infants	POINT VALUE(S): [4.7 μg/kg bw/day]				
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from car safety seat dermal contact in infants	POINT VALUE(S): [52.4 μg/kg bw/day]				
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from baby slings dermal contact in infants	POINT VALUE(S): [47.6 μg/kg bw/day]				
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from sofa dermal contact in infants	POINT VALUE(S): [170.6 μg/kg bw/day]				

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 28: Data Extraction Tables of Exposure Modeling Studies for Personal Inhalation

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Okeme et al. 2018 ***HERO ID:*** *5017615* *OQD:* Medium	Toronto, Canada and Valencia, Spain, CA,ES (Author Affiliation) Scenario: Calculated inhalation exposure dose for adult from indoor air by personal PDMS sampling	NR	NR	NR	50th: 544 ng/day;	NR
ECHA et al. 2018 ***HERO ID:*** *5155555* * *OQD:* Low	Unknown (Publication) Scenario: Modeled internal exposure from inhalation in infants	NR	NR	NR	95th: 0.07 μg/kg bw/day;	NR

* Reference is a completed exposure assessment and risk characterization that was evaluated using the completed exposure assessment and risk characterization data quality criteria. Depending on the type of data the reference contains, primary or secondary data from completed exposure assessments or risk characterizations may be extracted using the template(s) for monitoring, modeling, and/or experimental data and are grouped with other data from the applicable evidence stream(s).

Table 29: Data Extraction Tables of Exposure Modeling Studies for Product/Article

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
Shin et al. 2014 ***HERO ID:*** *2215665* *OQD:* Medium	Northern CA, Northeast MD, Southeast PA, US (Product Source) Scenario: Modeled Emission Rates of SVOCs from indoor building materials	NR	NR	1.901 log10 mg/day (AM)	NR	NR
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from mouthing foam for infants	upper bounding estimate: 39 µg/kg/day				
EC et al. 2009 ***HERO ID:*** *5160070* * *OQD:* High	Not reported, CA (Modeled Location) Scenario: Modeled daily intake from mouthing foam for toddlers	upper bounding estimate: 19 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in infants and toddlers 0-6yr	reasonable worst case: 138 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in infants and toddlers 0-6yr	typical: 6.8 µg/kg/day ; reasonable worst case: 37 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in infants and toddlers 0-6yr	reasonable worst case: 312 µg/kg/day ; typical: 58 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in infants 3-6mo	reasonable worst case: 207 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in infants 3-6mo	reasonable worst case: 77 µg/kg/day ; typical: 14 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in infants 3-6mo	reasonable worst case: 657 µg/kg/day ; typical: 119 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in infants 0-3mo	reasonable worst case: negligible µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in infants 0-3mo	typical: 0.18 µg/kg/day ; reasonable worst case: 0.72 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in infants 0-3mo	reasonable worst case: 6.1 µg/kg/day ; typical: 1.5 µg/kg/day				

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Table 29 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in infants 6-9mo	reasonable worst case: 177 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in infants 6-9mo	typical: 16 µg/kg/day ; reasonable worst case: 96 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in infants 6-9mo	reasonable worst case: 816 µg/kg/day ; typical: 141 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in infants 9-12mo	reasonable worst case: 161 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in infants 9-12mo	typical: 9 µg/kg/day ; reasonable worst case: 25 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in infants 9-12mo	reasonable worst case: 214 µg/kg/day ; typical: 76 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in toddlers 1-2yr	reasonable worst case: 130 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in toddlers 1-2yr	typical: 4.7 µg/kg/day ; reasonable worst case: 20 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in toddlers 1-2yr	reasonable worst case: 170 µg/kg/day ; typical: 40 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in toddlers 2-3yr	reasonable worst case: 95 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in toddlers 2-3yr	typical: 2.7 µg/kg/day ; reasonable worst case: 29 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in toddlers 2-3yr	reasonable worst case: 244 µg/kg/day ; typical: 23 µg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Ingestion method daily intake from mouthing toys in toddlers 3-6yr	reasonable worst case: 60 µg/kg/day				

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Table 29 – continued from previous page

Citation Information	Site and Data Description	Min	Max	Mean	Percentile	Variance
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Migration method daily intake from mouthing toys in toddlers 3-6yr	typical: 0.72 μg/kg/day ; reasonable worst case: 8.9 μg/kg/day				
NICNAS et al. 2010 ***HERO ID:*** *5185320* * *OQD:* Medium	Not reported, AU (Modeled Location) Scenario: Solubility method daily intake from mouthing toys in toddlers 3-6yr	reasonable worst case: 76 μg/kg/day ; typical: 6.1 μg/kg/day				

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Table 30: Glossary of Select Terms for Data Extraction

Term	Definition
ABS	Acrylonitrile Butadiene Styrene
AM	Arithmetic Mean
ASA	Acrylonitrile Styrene Acrylate
ASD	Arithmetic Standard Deviation
AQ	Antarctica
AR	Argentina
AT	Austria
AU	Australia
BCEP	Bis(2-chloroethyl) Phosphate
BE	Belgium
BO	Bolivia
BR	Brazil
CHAMACOS	Center for the Health Assessment of Mothers and Children of Salinas
CA	Canada
CA, US	California, United States
CH	Switzerland
CL	Chile
CN	China
CO	Colombia
CO, US	Colorado, United States
CR	Costa Rica
CWS	Community Water System
CV	Coefficient of Variation
CZ	Czech Republic
DCEP	Di-(2-chloroethyl) Phosphate
DE	Germany
DF	Detection Frequency
DK	Denmark
DWTP	Drinking Water Treatment Plant
EPA	Environmental Protection Agency
ES	Spain
FI	Finland
FL	Florida
FR	Faroe Islands
GB	Great Britain
GM	Geometric Mean
GR	Greece
HIPS	High Impact Polystyrene
HK	Hong Kong
IL	Illinois
IN	Indiana
IR	Iran
ISO	International Organization for Standardization
IT	Italy
JP	Japan
KR	Republic of Korea
LOD	Limit of Detection
LOQ	Limit of Quantification
m	meter
MA	Massachusetts

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Table 30 . . . continued from previous page

Term	Definition
MD	Maryland
MDL	Method Detection Limit
MRL	Method Reporting Limit
MR	Madrid Region
mg/day	milligrams per day
mg/g	milligrams per gram
mg/kg	milligrams per kilograms
mg/kg/day	milligrams per kilograms per day
mg/L	milligrams per liter
mg/mL	milligrams per millileter
MI	Michigan
MX	Mexico
n	Sample Size
ng	nanograms
ng/day	nanograms per day
ng/g	nanograms per gram
ng/g/d	nanograms per gram per day
ng/kg	nanograms per kilogram
ng/kg bw/day	nanograms per kilograms bodyweight per day
ng/L	nanograms per liter
ng/mL	nanograms per millileter
ng/m^2	nanograms per square meter
ng/m^3	nanograms per cubic meter
ng/POCIS	nanograms per polar organic chemical integrative sampler
ng/PDMS	nanograms per polydimethylsiloxane rubber composites
ng/SPMD	nanograms per semipermeable membrane device
NC	North Carolina
ND	Non-Detect
NL	Netherlands
nmol/g	nanomole per gram
NO	Norway
NR	Not Reported
NSW	New South Wales
NY	New York
NZ	New Zealand
OFR	Organophosphate Flame Retardants
OH	Ohio
OR	Oregon
OQD	Overall Quality Determination
PA	Pennsylvania
PC	Printed Circuit
PCABS	Polycarbonate Acrylonitrile Butadiene Styrene
PETG	Polyethylene Terephthalate Glycol
pg/kg BW/day	picograms per kilograms per bodyweight per day
pg/m^3	picograms per meters cubed
pg/μL	picograms per microliter
PH	Philippines
PL	Poland
PM	Particulate Matter
ppbv	parts per billion volume
PR	Puerto Rico
PT	Portugal
PUF-PAS	Polyurethane foam-passive air samplers

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Table 30 . . . continued from previous page

Term	Definition
RO	Romania
RSD	Relative Standard Deviation
SE	Sweden
STP	Sewage Treatment Plant
SVOC	Semi-Volatile Organic Compound
SWHT	Storm water holding tank
TH	Thailand
TR	Turkey
TX	Texas
μg/ft^2	micrograms per feet squared
μg/g	micrograms per gram
μg/kg	micrograms per kilogram
μg/kg/day	micrograms per kilogram per day
μg/L	micrograms per liter
μg/m^2/h	micrograms square meter per hour
μg/m^3	micrograms per cubic meter
UK	United Kingdom
US or USA	United States of America
VDU	Visual Display Unit
VA	Virginia
VEAS	Vestfjorden Avløpsselskap
VN	Vietnam
WA	Washington